

1999 Mad City Masters Tournament

Carbon Blobs Tossups

(by Mike Angel, Jerry Hagen, Jeremiah Thompson)

1. Serving as an Ohio Senator from 1851 until 1869, he chaired the Joint Committee on the Conduct of the War during the Civil War and was a leader of the Radical Republicans. Together with a Maryland representative he co-authored an 1864 Reconstruction bill which provided for constitutional conventions for southern states only after a majority of their white residents had taken a loyalty oath. For 10 points—name this man nicknamed "Pitchfork Ben."

answer: Ben(jamin Franklin) Wade

2. One example of this is the Born-Haber cycle used to obtain lattice energies. It can be used to obtain thermodynamic data that cannot be obtained directly and is due to action of a state function rather than a path function. A consequence of the law of conservation of energy, it is often called the law of constant heat summation. For 10 points—name this law, put forward in 1840 and named for its creator, that states that the overall energy change in going from reactants to products does not depend on the route taken.

answer: Hess's Law

3. He may have been the first advertising character invented to try to destroy the very product he promotes. If you're not careful, he could freeze your food with his Wizard's Wand, crush it with his jackhammer, blow it to smithereens with his namesake bomb, or punch it up with his boxing gloves. But if you called a certain pizza place, they could help you "avoid" him. For 10 points—name this gap-toothed, red-suited creature, the bane of all pizza-lovers, but an advertising smash hit for Domino's in the 1980s.

answer: The Noid

4. His *Israelites in the Desert*, *Washing of the Feet*, and *St. Mary of Egypt* all show this artist's pious nature as well as his use of luminous halos. *Finding of the Body of St. Mark* is very characteristic of his work as it portrays a long hallway retreating from the viewer with a barrel-vaulted ceiling and ethereal angels flying about. His work often times uses a space that retreats from the viewer quickly illuminated by a supernatural light. For 10 points—name this artist of *The Last Supper* in San Giorgio Maggiore, born Jacopo Robusti.

answer: Tintoretto (accept Jacopo Robusti before end)

5. After graduating from Yale, he used the pseudonym "Tom Graham" when publishing his first novel, *Hike and the Aeroplane*, in 1912. 1914 and 1917 saw, respectively, the publishing of *Our Mr. Wrenn* and *The Job: An American Novel*. Later works include the moderately successful *Kingsblood Royal* and *The God-Seeker*. He created characters such as Sharon Falconer, Doremus Jessup, and Will Kennicott among others. For 10 points—name this Nobel laureate, author of such works as *It Can't Happen Here*, *Dodsworth*, and *Main Street*.

answer: Sinclair Lewis

6. Its most elegant shopping street is the Maximilianstrasse [strahs-suh] which has many grand buildings including the city's ethnological museum. At the heart of the city lies the Marienplatz which features many restaurants as well as the Neues Rathaus [NOY-ess RAHT-

house]. The Frauenkirche [FRAU-en-KEER-kuh], the main landmark and city symbol, towers over the Frauenplatz. It also contains the Michaelskirche in which several members of the Wittelsbach [Vittles-bahk] family are buried. For 10 points—name this city, the site of Hitler's Beer Hall Putsch, located in Bavaria.

answer: München or Munich

7. He won the starting punter job during his freshman year by averaging 37.1 yards per punt. Later at quarterback, when he led his team back from a 21-7 fourth quarter deficit to a 29-24 win over Georgia Tech he established a new offensive set. He was named the *Sports Illustrated* Offensive Player of the Week in 1992 after throwing for 395 yards and rushing for 111 in a blowout over Maryland. He was named the MVP of the 1992 Orange Bowl in a victory over Nebraska. For 10 points—name this quarterback who led his team to the 1993 National Title at Florida State, winner of that year's Heisman Trophy.

answer: Charlie Ward

8. Structures of these molecules include the DHU loop, the T-psi-C loop, an extra variable arm, a discriminator base, and the sequence CCA at the 3-prime end. The 5-prime terminus is phosphorylated, and there are a maximum of 32 of these, since the genetic code is degenerate. The first base attached is denoted as a "wobble" base since it can bind with more than one codon. For 10 points—name these molecules with a cloverleaf shape, whose function is to carry amino acids to the ribosomes during translation.

answer: t-RNA or transfer RNA

9. Born in 450 B.C. he was raised by Pericles. Although he was a brilliant general and politician, he divided the Athenian state during the Peloponnesian War as he switched loyalty to Sparta and then back to Athens. He led the victors at Mantinea, as well as helping the Athenian navy beat the Spartans between 411 and 408 B.C. After a defeat in 407, however, he was ostracized, fled to Phrygia, and was assassinated by the Persians by order of the Spartans. For 10 points—name this man blamed for mutilating the statues of Hermes in Athens.

answer: Alcibiades

10. "[BLANK], thy beauty is to me / Like those Nicéan barks of yore, That gently o'er a perfumed sea / The weary, way-worn wanderer bore / To his own native shore." So begins this fifteen-line poem full of classical allusion that was inspired surprisingly enough by a Mrs. Stannard, and not by Virginia Clemm, the poet's 13-year-old cousin whom he had married. For 10 points—name this poem dedicated by Edgar Allan Poe to a woman that is NOT Annabel Lee.

answer: To Helen

11. Donald Bohana was arrested in 1997 in connection with this musician's ex-wife's drowning. At the time of Bohana's arrest, this man was on tour in Europe with his three sons, who formed a music group. That group sings songs such as "Why," "Memories," and "Gotta Be You," and their band name is TTT, which is taken from their first names, Taj, Taryll, and T.J. For 10 points—name this loser, a member of the Jackson 5 along with Marlon, Jackie, Michael, and Jermaine.

answer: Tito Jackson

**12.** It is initiated by the insertion of a sheath followed by a hollow, flexible guide. Contrast agent is then injected. Sometimes nitroglycerin is administered and calcium antagonists may be used to prevent spasms. Afterwards, the sheath remains and a saline solution as well as heparin, a blood thinner, are injected through it. The greatest risk for complications occurs during a short time of 30 to 120 seconds during inflation. For 10 points—name this procedure for clearing blocked arteries via a balloon-tipped catheter.

answer: (percutaneous transluminal coronary) angioplasty or PCTA

**13.** It exists because Prince Nikolaus became so attracted to his lonely castle that he began to spend more time there each year. Except for one person, the court musicians couldn't have their families there, so they grew depressed. The one musician who was allowed to have his family there then composed a work after which the Prince is supposed to have said "Well, if they all leave, then we might as well go too," and the court returned to Vienna the next day. For 10 points—name this symphony during whose final adagio the musicians blow out candles one by one and depart, composed by Haydn.

answer: Farewell Symphony or Symphony 45 or Abschiedsymphonie

**14.** The trouble begins when Maguire, who is killed later, leaves a bag at the apartment. Tommie Owens is heard at the local bar bragging he knows IRA operatives. His boasting causes a raid by the Black and Tans. Minnie comes into Seamus and Donal's apartment as they find out the bag Maguire left contains bombs and that they will be shot by the soldiers. Minnie takes the bombs, is arrested, and later killed. For 10 points—name this play whose title refers to Donal's impersonation of an IRA soldier, written by Sean O'Casey.

answer: The Shadow of a Gunman

**15.** At the start of the 1996 season, this Hall of Famer's career home run frequency was the second highest ever at one in every 14.11 at bats, behind only Babe Ruth. He averaged over 100 RBIs per year during his ten-year career and remains the only player to lead his league or tie for the lead in home runs seven years in a row. He had set the National League mark for home runs in successive years with 54 in 1949 and 47 in 1950. For 10 points—name this player who finished his career with 369 home runs, and who spent the years between 1946 and 1953 in Pittsburgh.

answer: Ralph Kiner

**16.** It was written on November 2nd to Lord Rothschild at the urging of Chaim Weizmann [KYME VITES-mun]. It was incorporated into the League of Nations and endorsed by the Allies. While it did not satisfy all goals, many claimed it fulfilled the dream of Theodor Herzl. For 10 points—name this 1917 letter that stated, "His Majesty's Government view with favour the establishment in Palestine of a national home for the Jewish people . . ."

answer: Balfour Declaration or Letter

**17.** He studied in four German universities and taught at two more. His early fame was established through his work in electrochemistry, and he reaped a financial windfall from his invention of an electric lamp. In photochemistry he proposed the path for the fast reaction between hydrogen and chlorine, and the concept of solution pressure in electrochemistry is due to him. For 10 points—name this German physical chemist whose "heat theorem" became the third law of thermodynamics, the 1920 Nobel Prize winner in chemistry.

answer: Walther Nernst

18. In his *The American Beaver and his Works*, he argued that animals as well as humans possess powers of rational thought. He also wrote a treatise dealing with institutions and government entitled *Ancient Society*, that was hailed by Marx and Engels as independent confirmation for their materialist theory of history. His best-known work is perhaps his 1869 work that laid the foundations for modern social anthropological study of kinship. For 10 points—name this 19th-century ethnologist, author of *Systems of Consanguinity and Affinity*.

answer: Lewis Henry Morgan

19. This 1926 work contains a novel within the novel of the same name. It takes place at the Pension Azaïs, a school for young boys where a gang of criminals are plotting. The main character comes to the conclusion, from watching the criminals, that value isn't reality, but entirely a matter of perception. Olivier and Bernard befriend the main character Edouard but realize that Edouard isn't quite the ideal they thought him to be. For 10 points—name this novel by André Gide whose title derives from the criminals and their coinage of fake money.

answer: The Counterfeiters or Les Faux-Monnayeurs

20. Steve Buscemi plays Mink and John Turturro plays Bernie. The action centers on Johnny Caspar, played by Jon Polito, and his moving in on Lee O'Bannion's turf. O'Bannion is the boss of an eastern city who runs it with the help of his trusted advisor, Tom. However, O'Bannion and Tom fall for the same girl, played by Marcia Gay Harden, and have a falling out. Throw in a bunch of double crossings and the acting of Gabriel Byrne, and you have—for 10 points—what 1990 Coen brothers' film?

answer: Miller's Crossing

21. The court voted 7-1 with Black writing the majority decision, Stewart in dissent, and White not participating. The litigants on one side drew heavily on the writings of Thomas Jefferson, who had coined the "wall" metaphor. The issue at stake was how high the "wall" was. The court was presented with *amicus curiae* briefs filed by the ACLU, the American Jewish Committee, the Board of Regents of the State of New York, and Porter R. Chandler, known as the "Cardinal's Lawyer." For 10 points—name this 1962 case dealing with prayer in schools.

answer: Engel v. Vitale

22. The gauge group is non-Abelian and the gauge symmetry is broken. The interaction is mediated by photons and by intermediate vector bosons. It also predicts the existence of the Higgs Boson, and the discovery of the W and Z bosons in 1984 was a huge success for this theory. For 10 points—name this theory, put forth originally by Salam and Weinberg and later by Glashow, that gives a unified description of the electromagnetic and weak interactions.

answer: electroweak theory

**1999 Mad City Masters Tournament**

**Carbon Blobs Bonuses**

(by Mike Angel, Jerry Hagen, Jeremiah Thompson)

1. Identify these literary families who appear in multiple works:

A. For 5 points—this family appears in *The Town*, *The Hamlet*, and *The Mansion*. Members include Ab, Flem, and Mink.

answer: Snopes

B. For 10 points—this family, including Soames, Irene, and Young Jolyon, appears in *In Chancery* and *To Let*.

answer: Forsyte

C. For 15 points—Ben, Oscar, Marcus, and Lavinia are among this family found in *Another Part of the Forest* as well as *The Little Foxes*.

answer: Hubbard

2. Landscape painting was all the rage in the 17th century. Identify these landscape artists of the 1600s, for 10 points each:

A. This Haarlem-born landscapist was widely known for his invention of dramatic compositions and his ability to project moods into his canvas, as seen in his *The Jewish Cemetery* of 1660.

answer: Jacob van Ruisdael

B. This Dutch painter was quite inventive. He would often rearrange things in his paintings to make them more visually appealing. We know that he moved several churches and tall buildings around in his *View Of Delft* of 1662.

answer: Jan Vermeer

C. He came from a family of artists, and specialized in monochromatic countrysides at first, before moving on to water scenes drenched in a golden light, such as the one seen in his *Mass at Dordrecht* of 1660.

answer: Aelbert Cuyp

3. Those crazy kids from *Saved by the Bell*. Given a description of a movie starring one of the *Saved by the Bell* actors or actresses, name it, for 10 points each.

A. Mario Lopez starred in this piece-of-crap USA movie about Greg Louganis.

answer: Breaking the Surface

B. Lark Voorhies starred in this 1997 Bill Bellamy movie about a man who is invited to a party where all of the women he has been two-timing are in attendance.

answer: How to Be a Player

C. Elizabeth Berkley starred in this Paul Verhoeven waste of film alongside the likes of Kyle MacLachlan and Gina Gershon.

answer: Showgirls

4. Identify these battles between British-type people from the Wars of the Roses, for 10 points each:

A. This engagement of 1460 was the bloodiest battle to date. The Yorkist forces were surprised and slaughtered. Richard, his son Edmund, and the old Earl of Salisbury were all slain, which marked the extinction of the older generation of nobles.

answer: Wakefield

B. This 1461 battle saw Edward, who would become Edward IV, defeat an army of Welsh Lancastrians under Pembroke and Wiltshire. Owen Tudor, grandfather of Henry VII, was beheaded.

answer: Mortimer's Cross

C. Following the defeat at Barnet, in 1471 Margaret marched her army north toward the Welsh border. At the confluence of the Avon and Severn rivers the Lancastrian force was disintegrated and Margaret was captured.

answer: Tewkesbury

5. [VISUAL HANDOUT] You are being given a position vs. time graph for a crack dealer. For 10 points each—

A. The dealer moves from his crack den at point A to Richard Pryor's house at point D. What is his displacement during this trip?

answer: negative 3 meters

B. While at Richard Pryor's house the dealer realizes he is out of plastic baggies and decides to go to Wal-Mart at point E. What is his average acceleration between points D and E?

answer: 0 (he's moving at a constant velocity)

C. Uh-oh. The five-O. During which two points on the graph is the crack dealer accelerating to get away from the fuzz?

answer: points E and G

6. Identify these Eastern European authors from works, for 10 points each:

A. *Steps, The Painted Bird*

answer: Jerzy (Nikodem) Kosinski



B. *The Lighthouse Keeper, Quo Vadis?*

answer: Henryk (Adam Alexander Pius) Sienkiewicz

C. *Ex Ponto, The Bridge on the Drina*

answer: Ivo Andric

7. Diving animals have made a number of adaptations that allow them to go without intake of oxygen for long gaps of time. For 10 points each—

A. They have an elevated amount of this oxygen-carrying molecule, which is a 153 amino acid polypeptide with only a single heme group.

answer: myoglobin

B. Diving animals also have higher hematocrit levels, which is the volume of the blood occupied by these cells. For humans, it is approximately 40.5%.

answer: red blood cells

C. They also show this property which means an abnormal reduction or slowing of the heart rate.

answer: bradycardia

8. African countries! From real knowledge, you get 10 points. From list knowledge of capitals, *which there's nothing wrong with*, you'll get 5. Give current names of countries only.

A. 10: Although it's not ruled by a landmine, as the *Onion* says, it has been in a state of turmoil due to the U.S.-backed UNITA movement.

5: Luanda

answer: Republic of Angola

B. 10: This country has also been the site of political unrest surprisingly enough. If Christian Okoye were in control things would probably be running much more smoothly than under the 1990s regimes of Babangida and Abacha.

5: Abuja

answer: Federal Republic of Nigeria

C. 10: In 1964, leftist rebels set up a People's Republic in Stanleyville and took hostages. Belgian troops were airlifted in and a rumble ensued in the jungle leaving Moise Tshombe as president.

5 Kinshasa

answer: Democratic Republic of the Congo

9. Identify these works of 19th-century art, for 10 points each:

A. This 1849 Courbet work depicts two ordinary workers carrying out manual labor. There was an outcry over it because Courbet refused to romanticize or glorify the scene.

answer: The Stonebreakers

B. This 1863 Daumier work shows the effects of Hausmann's modernization of Paris. It depicts the segregation of people by class in public transportation.

answer: The Third Class Carriage or Wagon de IIIe Classe

C. This 1872 painting by Winslow Homer shows six children running hand in hand while a seventh pulls at one of the children.

answer: Snap the Whip

10. 30-20-10. Name the album from song titles.

- A. "I Come Off," "Got More Rhymes"
- B. "Non Stop," "Principal's Office"
- C. "My Name is Young," "Bust a Move"

answer: Stone Cold Rhymin' (by Young M.C.)

11. 30-20-10. Name the event from history.

A. Lasting from June 2-7, consequences included the destruction of Lord Mansfield's house, and the liberation of inmates from Newgate. When the purported instigator was tried, he was saved by the defence of Thomas Erskine.

B. These activities began when the namesake agitator protested outside of Parliament in 1780 in response to the Catholic Relief Act of 1778.

C. This civil disturbance is the subject of the Dickens work *Barnaby Rudge*.

answer: Gordon Riot(s)

12. Identify the Ibsen works from characters, on a 10-5 basis.

- A. 10: Pastor Manders, Engstrand
- 5: Oswald Alving, Mrs. Alving

answer: Ghosts

- B. 10: Morten Kiil, Captain Horster
- 5: Peter Stockmann, Thomas Stockmann

answer: An Enemy of the People

- C. 10: Mrs. Elvsted, Judge Brack
- 5: Eilert Lovborg, George Tesman

answer: Hedda Gabler



13. Identify these acts passed by the British government before the American Revolution, for 10 points each:

A. These acts passed in 1767 were named for the Chancellor of the Exchequer at the time; they levied taxes on glass, lead, paints, paper, and tea.

answer: Townshend Acts

B. This act was passed the same day the Stamp Act was repealed; the face-saving measure stated that the colonies were "subordinate" and that Parliament could enact any law "to bind the colonies and people of America."

answer: Declaratory Act

C. This act, part of the Coercive Acts, provided for the transfer of court cases out of Massachusetts when the governor felt that an impartial trial could not be had within the colony.

answer: Administration of Justice Act

14. 30-20-10. Identify the letter from scientific designations.

A. In plants, it is used to designate water potential.

B. In proteins, it designates the torsion angle between the alpha carbon and the carbonyl carbon of an amino acid.

C. It is half of the name of a particle discovered in 1974 by a team led by Burton Richter using the SPEAR.

answer: psi

15. There were Laurel and Hardy and then Abbott and Costello. Finally there were Feldman and Haim. OK, so they were no-talent hacks but they made some amusing movies. Identify these, for 10 points each:

A. The quote in the video movie guide about this flick was "Like the first one really deserved a sequel?" Besides the two Coreys, there were spies and special sunglasses in this sequel to a Jason Robards, Jr. film.

answer: Dream a Little Dream 2

B. This film deals with Les, played by Haim, his flunking of his driving test, and subsequent "borrowing" of his father's Cadillac to take the lovely Heather Graham on a date.

answer: License to Drive

C. Haim and Feldman turn vampire-fighters in this flick starring the likes of Jami Gertz, Jason Patric, and Kiefer Sutherland. The title might also evoke images of Peter Pan and Neverland.

answer: The Lost Boys

16. Identify these American politicians from the late 19th and early 20th centuries, for 10 points each:

A. He was Secretary of War from 1899-1901 under McKinley, Secretary of War from 1901 to 1904 under Roosevelt, and Secretary of State from 1905 to 1909.

answer: Elihu Root

B. He was Vice-President under Roosevelt from 1905-1909.

answer: Charles Warren Fairbanks

C. This Ohio native accepted a Senate seat in 1897 after refusing a cabinet post from McKinley, whose campaign he had run.

answer: Mark Hanna

17. Identify the composers of the following works, for 10 points each:

A. "The Song of Sorrow," *Das Lied von der Erde*

answer: Gustav Mahler

B. "Variations on a Theme by Haydn," *Tragic Overture*

answer: Johannes Brahms

C. *St. Matthew Passion, Christmas Oratorio*

answer: Johann Sebastian Bach

18. Identify the following relating to American drama:

A. For 5 points—Kevin Spacey has been seen recently playing Harry Hope in this play by Eugene O'Neill.

answer: The Iceman Cometh

B. For 10 points—name either of the plays that garnered Albee his first two Pulitzer Prizes for Drama, in 1967 or 1975.

answer: A Delicate Balance or Seascape

C. For 5 points for one or 15 for both—name the two plays Maxwell Anderson wrote dealing with the Sacco and Vanzetti case. The first was a 1928 production co-written with Harold Hickerson, the other was a successful 1935 version of the story.

answer: Gods of the Lightning and Winterset

19. Identify the following relating to the biosynthesis of fatty acids, for 10 points each:

A. This compound, which is the compound beginning the citric acid cycle, is reacted with HCO<sub>3</sub> in the first committed step.

answer: acetyl-coA or acetyl-coenzyme A

B. The formation of malonyl coA from acetyl co A requires the input of this energy rich compound.

answer: ATP or adenosine triphosphate

C. While oxidation of fatty acids occurs in the mitochondrial matrix, biosynthesis of fatty acids occurs in this part of the cell.

answer: cytosol (accept cytoplasm)

**20.** Identify these English poets from works on a 15-10-5 basis:

- A. 15: "Hymn to Adversity"; "The Descent of Odin"  
10: "Ode on a Distant Prospect of Eton College"; "The Fatal Sisters"  
5: "Ode on the Death of a Favorite Cat, Drowned in a Tub of Gold Fishes"

answer: Thomas Gray

- B. 15: "My Love is Like to Ice"; "One Day I Wrote Her Name"  
10: "Prothalamion"; "Astrophel"  
5: "Epithalamion," *The Faerie Queen*

answer: Edmund Spenser

**21.** Identify the college or university each of these San Antonio Spurs players attended during their collegiate days, for 5 points each and a bonus 5 for all correct:

- A. Tim Duncan

answer: Wake Forest University

- B. David Robinson

answer: Navy or the Naval Academy

- C. Sean Elliott

answer: University of Arizona

4. Will Perdue

answer: Vanderbilt University

5. Mario Elie

answer: American International University

**22.** Given an African ruler, name the country he ruled, for 10 points each.

- A. Jean-Bedel Bokassa

answer: Central African Republic or Central African Empire

B. Kenneth Kaunda

answer: Republic of Zambia

C. Gafaar Mohammed Nimeiri

answer: Republic of the Sudan

