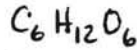


Tossups by University of Tennessee Team A for 1990 U.S. Open



1. Its empirical formula is  $C_6H_{12}O_6$ . A mixture of this pentagonal sugar with glucose produces sucrose. For 10 pts., what is this monosaccharide, found in honey and apples?

ANS. Fructose

2. It has been made into an opera by Williamson and Gilliatt; a film version featured, of all people, Ernie Kovacs, as well as starring Alec Guinness. This novel features a spy story set in Cuba. For 10 pts. name this novel by Graham Greene.

ANS. Our Man in Havana

3. His two volumes of memoirs are Tides of Fortune: 1945-55 and Riding the Storm: 1956-59. First entering Parliament in 1924, he served as a cabinet minister from 1924-45 and from 1951-57 during which time he led the pro-European group of MP's who sought to create an economically unified Europe. For 10 pts. name this British statesman who served as Prime Minister from 1957-64.

ANS. Harold MacMillan

4. Fuzzy Zoeller won the U.S. Open in 1984. In 1986 Jack Nicklaus won the Masters and Bob Tway won the PGA. The Masters title went to Larry Mize in 1987, and the 89 British Open champion was Mark Calcavecchia. FTP what golfer snatched defeat from the jaws of victory to finish 2nd in all those tournaments?

ANS. Greg Norman

5. Rebuilt in the 14th century on a site occupied by an early monastery founded in 529, it included the cell and tomb of St. Benedict. During World War II the Germans used it as a fortress, causing the Allies to agonize over whether to bomb it. They did, but it took another 3 months and a costly ground assault to overwhelm it. FTP name this famed monastery which stood guard over the inland road to Rome.

ANS. Monte Cassino

6. While only two cartoonists have won Pulitzer prizes in editorial cartooning for daily strips (Garry Trudeau and Berke Breathed), another Pulitzer winner is currently busy doing both editorial and strip cartooning. FTP name this cartoonist, who won his *first* Pulitzer while working for the Richmond News-Leader and now draws the syndicated series Shoe.

ANS. Jeff MacNelly

✓7. He succeeded Longfellow to the chair of modern languages at Harvard and in 1861 became co-editor of the North American Review. A contributor to the Dial, he was also the 1st editor of the Atlantic Monthly. FTP name this author of The Biglow Papers.

ANS. James Russel Lowell

✓8. Roughly equivalent to an area once known as the Cockscomb Coast, its boundaries were actually set by the separatist Jose Rafael Carrera, which is ironic considering it split from an independent nation to become a colony. FTP by what name today do we know the only Central American nation which does not border the Pacific Ocean, which split from Guatemala to become British Honduras.

ANS. Belize

✓9. In this composition, many scholars note the influence of Rimsky-Korsakov, who was among the composer's teachers. The score includes "a nightingale on a gramophone record," and is divided into four sections: Villa Borghese, A Catacomb, Janiculum, and Appian Way. FTP name this symphonic poem by Ottorino Respighi.

ANS. The Pines of Rome or Pini di Roma

✓10. The general concept was first proposed by Vannevar Bush in 1945, but it has taken years for computer technology to catch up with the idea. usually defined as the nonlinear viewing of information, it enables you to select a topic you want to see next and thus examine information in any order by "jumping" from link to link within a database. FTP identify this term popularized largely by Ted Nelson, designer of the XANADU system.

ANS. Hypertext

✓11. This Scandinavian god has 9 mothers, the virgin daughters of Aegir. Called the White God with Golden Teeth, his job is to sound his Gjallahorn to assemble gods at Ragnarok. FTP name this god who guards the Bifrost Bridge.

ANS. Heimdall

✓12. Based on Bernal Diaz del Castillo's eye-witness account of the Spanish expedition led by Hernando Cortez, this narrative poem emphasizes the love of adventure over the official purpose of the expedition. Published in 1932, it won the 1933 Pulitzer Prize in Poetry. FTP name this Archibald MacLeish poem.

ANS. Conquistador

✓13. His wife Frances studied the cultural significance of dance. In 1899, he became the first professor of anthropology at Columbia. He studied the cultures and linguistics of Eskimos and British Columbian Indians. His books include Race, Language and Culture and The

Mind of Primitive Man. For 10 pts. name this American anthropologist.

ANS. Franz Boas

✓14. A condition associated with an abnormality of the sex chromosomes and characterized by retarded development of the gonads and mental retardation. In this condition the chromosome karyotype is XXY. FTP name this syndrome.

ANS. Klinefelter's Syndrome

✓15. On August 7, 1903, a group of Kikuyu elders gathered to spit upon a newborn white baby as a sign of respect. Headaches caused by a rugby injury led doctors to suggest he join an expedition in search of dinosaur bones in the his native Africa; this led him to an unplanned career in physical anthropology. FTP name this anthropologist best associated with discovers he and his colleagues made in the Olduvai Gorge.

ANS. Louis Leakey

✓16. In 1956 Brazilian scientists imported members of the strain *Apis mellifera adansonii* from Africa, hoping to boost domestic productivity in tropical areas by hybridization. Two dozen queens of the strain escaped, a mating in the wild. FTP give the popular name for the resultant hybrid which, contrary to popular opinion, does not have a more potent venom but which is far more aggressive, and which has now spread as far north as southern Mexico.

ANS. Killer Bees

✓17. Sinusoidal, or Sanson-Flamsteed; Lambert Equal Area; Robinson; Goode's Interrupted Homologous; Mollweide Homolographic; Miller Cylindrical Conic; Mercator. FTP what name is given to these and other transformations of the curved surface of the earth onto a flat surface map?

ANS. Projections (if buzz in early w/ maps ask for more info)

✓18. On December 4, 1875, he escaped his imprisonment only to be captured a few months later in Spain where he was identified by one of Thomas Nast's cartoons. As the Grand Sachem, he wielded enormous power in New York City during the 1860's. For 10 pts. name this leader of Tammany Hall.

ANS. William Marcy "Boss" Tweed

✓19. She did indeed win an Oscar, on her 8th and last nomination. What truly distinguishes her nominations, however, is that she was nominated four times for Best Actress and four for Best Supporting Actress. FTP name

this actress, nominated for such films as Pete and Tillie, Hondo, The Pope of Greenwich Village, and Summer and Smoke, and who finally won for 1985's The Trip to Bountiful.

ANS. Geraldine Page

20. While at the schools of Port-Royal in the 1650's, he acquired a thorough education in doctrine, as well as classical literature, and the combination of the Hansenist concept of original sin with the Greek concept of Fate exerted influence upon his later work. He wrote an ode on the marriage of Louis XIV -The Nymph of the Seine and produced such plays as Mithridate, Andromaque, and Phedre. FTP name this French playwright.

ANS. Jean Racine

21. As a veteran of the Mexican War and the son of a former governor, he was a logical choice to be adjutant general of Indiana. He served as a general in the Union Army, distinguishing himself by turning back Jubal Early at Monocacy in 1864 and saving Washington, DC, from a nasty raid. After the war he sat on the court martials of Booth's co-conspirators and of Andersonville's commander, Henry Wirz. In 1873 he published his first novel, The Fiar God. FTP name this U.S. Ambassador to Turkey best remembered for his 1880 novel Ben Hur.

ANS. Lew Wallace

22. It transferred Ingria, Livonia (including Estonia), part of Karelia, and some assorted islands to Russia, which in turn gave Sweden back all of Finland except Vyborg and paid Sweden an indemnity. FTP name this 1721 treaty which concluded the Great Northern War and led Peter the Great to formally assume the title of emperor.

ANS. Treaty of Nystad

23. He invented a hydrostatic balance and published a treatise on the center of gravity of falling objects. At age 19 he discovered the principle of isochronism in pendulums. Other discoveries include that the path of a projectile is a parabola, that objects fall at uniform velocity, and four moons of Jupiter. For 10 pts. name this Italian.

ANS. Galileo Galilei

12.5.91

Bonuses by University of Tennessee Team A for 1990 U.S. Open

(25 PTS.) 1. Assume the atomic weight of lead equals 200, Iodine equals 130 and Oxygen equals 16.0. The solubility of lead iodate,  $Pb(IO_3)_2$  is 4.0 times 10 to the minus mole/liters at 25 degrees Celsius. For 25 pts. what is the solubility product constant for this salt? (Give 45 sec.)

ANS.  $2.6 \times 10$  to the minus 13 (accept  $3.0 \times 10 - 13$ )

(30 PTS.) 2. 30-20-10, identify this painter.

1. A dead ringer for Byron, gossip said that he was the illegitimate son of Talleyrand.

2. This student of Gericault painted Bark of Dante and The Fanatics.

3. An experimenter in color theory, his greatest works deal with the passions of N. Africa, i.e. Tiger Hunt and Women of Algiers. Also painted Massacre at Chios.

ANS. Eugene Delacroix

(30 PTS.) 3. Most students of constitutional law will recall that the landmark Roe vs. Wade decision on abortion uses as its cornerstone the concept of "privacy," an "implied" right. See if you can identify these cases dealing with the subject of privacy, 10 pts. each.

a. This 1965 case overturned a Connecticut statute making it illegal to possess or distribute contraceptives.

ANS. Griswold vs. Connecticut

b. This 1984 case, in an apparent reversal of principle, upheld a Georgia statute criminalizing sodomy.

ANS. Bowers vs. Hardwick

c. This 1967 decision dealt with the difficult question of whether there is a "reasonable expectation of privacy" in a conversation conducted in a public telephone booth.

ANS. Katz vs. United States (or U.S.)

(25 PTS.) 4. The "eyes" have it on this bonus. Given a book with the word "eye" (as in the anatomical feature), identify its author, 5 pts. each.

a. Under Western Eyes

ANS. Joseph

Conrad

b. The Eye of the Storm (1973)

ANS. Patrick

White

c. Cat's Eye (1989)

ANS. Margaret Atwood

d. Eyeless in Gaza

ANS. Aldous Huxley

e. The Eye of the Story

ANS. Eudora

Welby



Welty

✓(20 PTS.) 5. Mel Schwartz, then a professor of physics at Stanford, says that on October 22, 1972, he bet Sam Ting \$10 that Ting had found a very narrow resonance peak at 3.1 GeV. Ting purportedly denied the claim and accepted the bet. Ting then went to his groups' trailer in the experimental hall of Brookhaven's new Alternating Gradient Synchrotron and posted a sign that read, "I owe M. Schwartz \$10." Schwartz claims this caginess is what prompted him to call his colleagues at Stanford to tell them of the discovery, before Ting published his results. For 20 pts. what is that resonance at 3.1 GeV now called?

ANS. J/Psi (if just say j or psi, ask for more info)

✓(30 PTS.) 6. You've had bonuses before asking you to identify the film from a list of cast members or identify the actor or actress given their birth names. Well can you do both? I'll give you a list of real names of cast members of a given film, and for 10 pts. identify the film. If you can't get it after that list, I'll list the stage names of the actors and actresses and if you can identify the film then, you'll get 5 pts. each.

a. Part 1: Henry John Deutschendorf, Jr. and Nathan Birnbaum

✓Part 2: John Denver and George Burns

ANS. Oh, God!

b. Part 1: Maurice Micklewhite, Allen Konigsberg and Barbara Herzstine

✓Part 2: Michael Caine, Woody Allen, Barbara Hershey

ANS. Hannah and Her Sisters

c. ✓Part 1: Natasha Gurdin and Rosita Alverio

Part 2: Natalie Wood and Rita Moreno

ANS. West Side Story

✓(30 PTS.) 7. Before Roosevelt, Churchill, and Stalin met for their first summit in Teheran, the top diplomats for each power conferred in Moscow in October, 1943 in the first tripartite talks about the fate of postwar Europe. For 1 pts. each, name the following participants.

a. The American Secretary of State      ANS. Cordell  
Hull

b. The British Foreign Minister      ANS. Anthony

✓Eden

c. The Soviet Foreign Minister      ANS. Vyacheslav

✓Molotov

(30 PTS) 8. The two of them were married for five years and collaborated on several works, including You Have Seen Their Faces (1937). For 30 pts. can you name them

without any more clues?

Well then, for 10 pts. each, identify them from the following clues.

a. Not all his books were best-sellers, but Tobacco Road and God's Little Acre certainly were

ANS. Erskine Caldwell

b. She described her long struggle against Parkinson's disease in her lengthy career for Time, Life, and Fortune in her autobiography Portrait of Myself.

ANS. Margaret Bourke-White

(30 PTS.) 9. If one looks at chapters rather than words, Psalms is the longest book in the Protestant Bible with 150. Only three other books have 50 or more chapters. For 5 pts. each, name them.

ANS. Genesis, Isaiah, Jeremiah

On the other hand, 5 books have only 1 chapter each.

For 5 pts. each, name any 3

ANS. Obadiah,

Philemon, 2nd John, 3rd John, Jude

(30 PTS.) 10. 30-20-10, identify this mathematician.

1. He was a magistrate at Toulouse and studied mathematics as a hobby.

2. He worked with number theory, probability and formulated the least-time law to explain diffraction.

3. His last theorem remains mysterious.

ANS. Pierre de Fermat

(30 PTS.) 11. How well do you know your MacDonald's? (The literary type, that is.) It's a good time to show great taste by giving me the first name for these literary MacDonalds.

a. All his Travis McGee novels had color names in the title - for example, A Tan and Sandy Silence.

ANS. John D.

b. He wrote Henry Wallace: The Man and the Myth and Against the American Grain; but is best remembered for his work as a staff writer for the New Yorker.

ANS. Dwight

c. His real name was Kenneth Millar, but his Lew Archer novels, such as The Moving Target and The Underground Man, were under this pseudonym

ANS. Ross

(25 PTS.) 12. Bo Jackson may be the most famous two-sport pro-athlete, but he's hardly unique. For 5 pts. each, identify these two-sport athletes.

a. He flopped with the Chicago White Sox in the early 1960's before switching to basketball. He earned a World Championship ring alongside Bill Bradley as a Knicks forward, eventually serving the same team as general manager.

ANS. Dave DeBusschere

b. Conversely, he flopped with the Detroit Pistons before switching to baseball. He pitched for almost 20 years, mostly for the Braves and Phillies, and got his World Championship ring with the Phillies in 1980.

ANS. Ron Reed

c. He spent a year touring with the Harlem Globetrotters before switching to baseball. Good choice. He got his World Championship rings with the Cardinals in 1964 and 1967 and was elected to the Hall of Fame in 1981.

ANS. Bob Gibson

d. His lifetime batting average with the Toronto Blue Jays was a measly .220, but he was a better hitter on the basketball court (just ask Tree Rollins.) His World Championship rings came from the '84 and '86 Celtics.

ANS. Danny Ainge

e. No one—not Jim Thorpe, Ernie Nevers, George Halas, nobody—had ever hit a major-league homerun and scored an NFL touchdown in the same week until 1989. Considering his team, he may have to wait a while for his ring.

ANS. Deion Sanders

(30 PTS.) 13. Answer the following questions about the geography of India, 10 pts. each.

a. What name is given to the southwestern coast of India?

ANS. Malabar Coast

b. Geographically, India may be divided into four main regions, the Himalayan, Eastern Ghats, Western Ghats, and this northern river-plains region. A vast triangular tableland occupying most of peninsular India, it is a rocky and uneven plateau bordered by the Eastern and Western Ghats.

ANS. Deccan Plateau or Decca

c. This city is the capital of Tamil Nadu State. Located on the Bay of Bengal, it is one of the principal ports of India and is famous for the cloth produced there.

ANS. Madras

(30 PTS.) 14. The Populist movement, along with the Democratic response to it, introduced more than its share of colorful characters to American history. Identify these, for 10 pts. each.

a. This South Carolina governor served from 1892 to 1896 and was known as "pitchfork Ben."

ANS. Benjamin Ryan Tillman

b. This Georgia Populist earned the sobriquet "Agrarian Rebel" and was the subject of a biography by C. Vann Woodward. He ran for vice-president in 1896 on the Populist ticket.

ANS. Tom Watson

c. This Nebraska-born Populist and Democrat ran for the



Presidency three times.

ANS. William Jennings Bryan

(30 PTS.) 15. Identify this prominent Southern family.  
30-20-10.

- a. LeRoy was an influential leader in the Mississippi Democratic Party in the 1890's.
- b. William Alexander was a poet and author of an apology for the plantation system entitled Lanterns on the Levee.
- c. Walker is the author of The Thanatos Syndrome and The Moviegoer.

ANS. Percy

(30 PTS.) 16. Here's a betting bonus. Identify these physical constants.

- a. First for 5 pts. what is 6.626 times ten to the negative 34 joules?

ANS. Planck's constant

- b. Now you may wager those 5 pts. to get 15, all or nothing. Want to?

What is 8.314 joules per mole kelvin?

ANS. Ideal Gas Constant

- c. Finally all or nothing you may wager the 15 to get 30 pts. Want to?

Okay, what is 96,494 joules/V(elocity?)

ANS. Faraday Constant

(30 PTS.) 17. The Pulitzer Prize-winning work for general nonfiction in 1989 told the story of the Vietnam War as it unfolded in the career of an American officer who continued after his tour of duty as a civilian worker in the pacification program. For 10 pts. each name:

- a. the soldier profiled

ANS. John Paul Vann

- b. the book

ANS. A Bright

Shining Lie: John Paul Vann

and

America in Vietnam

- c. The author

ANS. Neil Sheehan

(30 PTS.) 18. Identify the American author of these quotes, 30-20-10.

- a. "He that lives upon hope, dies farting."
- b. "God works wonders now and then; Behold! a lawyer, an honest man!"
- c. "We must indeed all hang together, or, most assuredly, we shall all hang separately."

ANS. Benjamin Franklin

(25 PTS.) 19. After a hiatus of several years, "country-rock" is once again becoming a popular genre in music, with Lyle Lovett, Rodney Crowell, and the Desert Rose Band proving the form's viability. But how well do you know the founding groups of the previous

generation of country rock? Identify these groups from the clues given.

a. Often considered the founders of country rock, this group was responsible for such classics as "Nowadays Clancy Can't Even Sing" and "I Am a Child," both written by Neil Young.

ANS. Buffalo Springfield

b. Formed from the ashes of the defunct Buffalo Springfield, this group featured Rusty Young doing some very interesting things to a pedal steel guitar. Their best-known albums include A Good Feelin' to Know, Rose of Cimarron, and the recently-released Legacy.

ANS. Poco

c. This group originally featured Little Feat's lead vocalist Craig Lee Fuller, and they created perhaps the genre's most perfect record, "Falling In and Out of Love."

ANS. Pure Prairie League

d. This favorite of the drugged-out generation featured former Jefferson Airplane drummer Spencer Dryden. They often performed along with the Grateful Dead, most notably on American Beauty. Their own best-known works include "Glendale Train," "Superman," and "Panama Red."

ANS. New Riders of the Purple Sage

e. Originally known as the Stone Poneys, this group featured Bernie Leadon on banjo, and began their career backing Linda Ronstadt. The group stole two bass players from Poco: Randy Meisner and Timothy B. Schmitt.

ANS. the Eagles

(25 PTS.) 20. If you have a kid brother or sister in junior high school, for once you find that to be an advantage on this bonus. I'll give you the title of a popular work of young adult fiction, for 5 pts. each, name the author.

a. National Velvet

ANS. Enid Bagnold

b. That Was Then, This is Now  
Hinton

ANS. S.E.

c. The Chocolate War  
Cormier

ANS. Robert

d. Just As Long As We're Together

ANS. Judy Blume

e. Call It Courage  
Speary

ANS. Armstrong

(25 PTS.) 21. By 1861, when the Civil War began, there were only two other countries in the Western Hemisphere which permitted slavery. You'll get 10 pts. if you can name one or 25 pts. for both.

ANS. Brazil, Cuba

(25 PTS.) 22. In 1986, Wole Soyinka of Nigeria won the Nobel Prize for Literature however, this compatriot was favored to win. His novels deal with the clash between traditionalism and modernism in Nigeria; these

novels include Arrow of God, Things Fall Apart and A Man of the People. For 25 pts. name this Nigerian writer.

ANS. Chinua Achebe

✓(25 PTS.) 23. Ouch! Loud Reed has stretched his guitar with a force of 50 newtons to hit the note C with a frequency of 261.6 hertz; unfortunately, he wants to hit a C one octave higher. For 25 pt. with what force must he stretch the string to achieve the higher note of C?

ANS. 200 Newtons