

9/22/77

Questions for the 1991 Sunshine State Invitational
Questions by Chad Jackson and Anatol Blass for UF Team #2
Tossups

T1. In the game of yakyu (yak-yoo), this dassha hit more yakyus out of the kyuujou than any other. If the game sounds unfamiliar to you, then maybe a translation is in order. This baseball player has hit more honrui-da, or home runs, in his native country of Japan than any other. For ten points, name this Babe Ruth of the Land of the Rising Sun.

A: Sadahuru Oh

T2. "Let no man ignorant of Geometry enter here." It is reported that these words were inscribed above the entrance to this man's famous academy. For ten points, name this Greek philosopher.

A: Plato

T3. Achilles, a Tortoise, and a crab are among the characters. Bloop, Floop, Gloop, and The Location of Meaning are the chapter titles in this work which contains a composer, a graphic artist, and a mathematician in the title. For ten points, name this pulitzer prize winning book by Douglas R. Hofstadter.

A: Godel Escher Bach

T4. In light of the secession of many of the Russian Republics from the Soviet Union, we should not forget similar secessions in our own United States. Especially one within recent times. On March 11, 1973, this hamlet seceded from the United States after more than a month of disputes with officials in South Dakota. The secession lasted less than two months, as U.S. officials surrounded the "power" and forced it to surrender when supplies and morale ran low. For ten points, name this Sioux indian town which seceded.

A: Wounded Knee

T5. This "universal machine" is capable of doing anything, although much slower, than the most powerful computer imaginable can do. It consists only of a long tape of individual cells and an operator which scans, erases, and writes on individual cells. The machine is named for the mathematician who conceived it, as well as a test for determining a computer's intelligence. For ten points, name this machine.

A: Turing Machine

T6. "I went to the Garden of Love,/And saw what I never had seen;/A Chapel was built in the midst,/Where I used to play on the Green" pens this poet. Born in 1757, for ten points, name this English poet, perhaps better known for writing about a lamb and a tiger.

A: William Blake

- T7. Before Chernobyl, and yes before Three Mile Island, nuclear power plant accidents have had a long and glowing history. Near this country's capital city, a partial meltdown of the reactor's core took place after four control rods were accidentally removed. Not too bright. There were no injuries, but millions of gallons of radioactive water filled the reactor. For ten points, name the country in which this Dec. 12, 1952 accident took place.

A: Canada

- T8. In a landmark decision January 10th, Florida Attorney General Bob Butterworth declared it illegal for Floridians to engage in fantasy baseball leagues where money is involved. The most famous type of fantasy league gets its name from a restaurant where the inner workings of the league were dreamed up. For ten points, name this word, defined as a small broiler with a motor driven spit.

A: Rotisserie (Author's note: Butterworth is just bitter because his team finished behind Betty Castor's team.)

- T9. Emphasizing the irrational aspects of human experience to show the pointlessness of modern life, writers such as Frederick Durrenmat and Harold Pinter subscribed to this school of 20th century playwrights. For ten points, name this type of theater, made famous by Samuel Beckett and Eugene Ionesco.

A: Theater of the Absurd

- T10. In cooking terms, this word means to clean out the impurities in butter by heating, or in broth by using the white of an egg. In common terms, this word can mean to illustrate, decipher, or purify. For ten points, name this word.

A: Clarify

- T11. Impeachments in American history have been few and far between, as most resign before the U.S. Senate sits as a court of impeachment. Andrew Johnson remains as the only U.S. president ever to undergo impeachment proceedings, but, for ten points, who, in 1805, was the only Justice of the Supreme Court ever to be impeached?

A: Samuel Chase

- T12. John was a signer of the U.S. Declaration of Independence from North Carolina. William was a colonial settler in middle america. Michael is an up-and-coming pop artist, while his brother Sean gets more publicity with his fists than his acting ability. For ten points, what's the common last name?

A: Penn

T13. Although Shakespeare encouraged us to "kill all the lawyers," some of them aren't actually that bad. Now before you disagree, let's remember this French lawyer who proposed that "light takes the shortest time to get to one point to another." For ten points, name this lawyer and amateur mathematician and you've named one of the fundamental principles of light.

A: Fermat Principle

T14. In 1847, a design by Robert Mills was selected for this structure. With a total cost of \$1.187 million dollars, and a final completion time of 37 years, this building weighs 90,854 tons. Opened to the public in 1888, the National Park Service didn't put an elevator in until 1901, forcing tourists to climb an iron stairway to the top of this 555 feet 5 1/8th inch structure. For ten points, name it.

A: Washington Monument

T15. "Boys are playing basketball around a telephone pole with a backboard bolted to it. Legs, shouts. The scrape and snap of Keds on loose alley pebbles seems to catapult their high voices into the moist March air blue above the wires. Rabbit Angstrom, coming up the alley in a business suit, stops and watches, though he's twenty-six and six three." These are the opening lines to a trilogy of works by this American author. For ten points, name this author of Rabbit, Run.

A: John Updike

T16. Most of the planets in our solar system have been named after Roman or Greek gods or goddesses, but in one instance, the choosing of the name has had a little more input than simple mythology. This planet was named not only for a Roman god, but also because the first two letters in the name were the initials of the astronomer who predicted it's existence. For ten points, name this planet, discovered in 1930.

A: Pluto

T17. While we're in the planetary mode, let's turn our attention to our very own Earth. This Greek astronomer and mathematician is considered to be the first to accurately measure the size of the earth. Born around 276 B.C., he is also known for his "seive" which will produce prime numbers. For ten points, name him.

A: Eratosthenes

T18. Tom Wolfe, one of the leaders of "new journalism", recently moved into the fiction realm with the success of his novel Bonfire of the Vanities. In it, a down-and-out Journalist named Peter Fallow wins the Pulitzer prize for his book The Real McCoy: The Forgotten Lamb. Tom Wolfe himself, though, has won the real Pulitzer prize for a book about the author Ken Kesey. For ten points, name that novel.

A: The Electric Kool-Aid Acid Test

T19. This word of Russian origin is used to describe fusion reactors which solve the problem of leakage by being doughnut-shaped. For ten points, what is this term?

A: Tokamak

T20. 1990 may have been a bad year in music, especially with metal group Judas Priest charged with criminal negligence when two youths attempted suicide after a night of drugs and listening to their music. But let us not forget 19-year old John McCollum, who in 1973 listened to this rock singer's album and then shot himself with a .22 caliber handgun. The parents of John McCallum sued the artist and his label, CBS records, but he and CBS were acquitted from any wrongdoing in McCallum's death. For ten points, name this musician, whose "Speak of the Devil" album was playing when McCallum shot himself.

A: Ozzy Osbourne

T21. The power of advertising! This American politician got his start when the Los Angeles Times placed an ad in the paper that read "Person wanted to run for legislature." He applied, and little did he (or the L.A. Times) know that less than 20 years later he would be the Vice President of the United States. For 10 points, name this later U.S. President.

A: Richard Nixon

T22. At 45 years old, he's following in the footsteps of George Foreman. Except this time it's the sport of baseball. This Hall of Fame pitcher is serious in his comeback team, and has been throwing batting practice in hopes to lure a team to give him a shot. For ten points, name this long-time Baltimore Oriole legend with something to prove.

A: Jim Palmer

T23. "When I consider how my light is spent/ere half my days, in this dark world and wide/and that one talent which is death to hide." For ten points, what English poet sensibly penned this poem about his sightlessness?

A: John Milton

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Boni

- B1. (20 pts.) In 1932, H. Yukawa theorized the existence of a particle to explain the strong interaction, or force, that holds the nucleus of an atom together. Yukawa also predicted this sub-atomic particle's mass. For 20 points, name this particle discovered in 1946 in cosmic rays.

A: Meson

- B2. (25 pts.) This Christmas break, Floridians escaped the snow from last Christmas that shut down cities like Jacksonville and Gainesville. So, of course, perilous Floridian adventurer Chad Jackson had to go where the snow was this Christmas break -- Washington D.C. And what better place than the Smithsonian Institute to kill two birds with one stone? Yes, Chad got to see his snow, and also took an extended tour of the Smithsonian's buildings. In this round, Chad will be your tour guide, asking questions from each of the buildings he visited on his capitol adventure.

First up: The Museum of American History. In the extended display about Women's Suffrage on the second floor, we learn that four American states allowed women the right to vote before the turn of the century (1900). Five points a piece, and a five point bonus for all four, name these Western states.

A: Wyoming (1869), Colorado (1893), Idaho (1896) and Utah (1896)

- B3. (25 pts.) Now Chad did take time to stop off in Washington D.C. at the Oriole Baseball Store, looking for memorabilia about his beloved Toronto Blue Jays that he can't find in the depths of Central Florida. As he toured the racks of hats and uniforms, he remembered that 1990 was the year of the free-agent, as many popular players changed teams and hats. For five points a piece, name the new team of these baseball players going into 1991.

1. Daryl Strawberry	Answer: <u>L.A. Dodgers</u>
2. Jack Clark	Answer: <u>Boston Red Sox</u>
3. Vince Coleman	Answer: <u>New York Mets</u>
4. Willie Wilson	Answer: <u>Oakland A's</u>
5. George Bell	Answer: <u>Chicago Cubs</u>

- B4. (20 pts.) This bonus can only have one heading: Inane Acronyms. Five points a piece, and a bonus for all three, give the meanings of these acronyms that could have probably used a bit of creativity.

1. In electronics, VHF	Answer: <u>Very High Frequency</u>
2. In computers, APL	Answer: <u>A Programming Language</u>
3. In politics, CREEP	Answer: <u>Committee to Re-Elect the President</u>

- B5. (30 pts.) Continuing the tour now of the Smithsonian Institute, we move into the Museum of Natural History. Here we meet Ranger Bob, who is in front of a display of our endangered feathered friends. For five points a piece, given a bird, you tell Ranger Bob if that species is extinct or not.

1. California Condor	Answer: <u>not extinct</u>
2. Trumpeter Swan	Answer: <u>not extinct</u>
3. Heath Hen	Answer: <u>extinct</u>
4. Ivory-Billed Woodpecker	Answer: <u>not extinct</u>
5. Carolina Paroquet	Answer: <u>extinct</u>
6. Passenger Pigeon	Answer: <u>extinct</u>

- B6. (25 pts.) It's now lunch time in our tour of the Smithsonian, and like most other tourist traps, the prices are outrageous. So we did the smart thing and packed our lunches, as well as a poetry book so we could read a verse or two over our ham and swiss sandwiches. For five points a piece, given a poem, name the author.

1. "The Bean Eaters"	Answer: <u>Gwendolyn Brooks</u>
2. "Fern Hill"	Answer: <u>Dylan Thomas</u>
3. "Musee des Beaux Arts"	Answer: <u>W. H. Auden</u>
4. "Ars Poetica"	Answer: <u>Archibald Macleish</u>
5. "Sweeney Among the Nightengales"	Answer: <u>T. S. Eliot</u>

- B7. (30 pts.) Out of the 50 states in the U.S., every state except 5 have the name of the state mentioned in their state song. Given the song, for five points a piece, and a five point bonus for all correct, name the state.

1. "On the Banks of the Wabash, Faw Away"	Answer: <u>Indiana</u>
2. "Suwannee River"	Answer: <u>Florida</u>
3. "Yankee Doodle"	Answer: <u>Connecticut</u>
4. "Home on the Range"	Answer: <u>Kansas</u>
5. "Where the Columbines Grow"	Answer: <u>Colorado</u>

- B8. (25 pts.) Now that lunch is over, we head back to the Smithsonian Museum of Natural History. Among the native indian exhibits we notice a curious model. It depicts the Blackfoot Indian tribe on a buffalo drive. The Blackfoot indians would drive a herd of buffalo over a cliff, where other indians waiting at the bottom would kill the fallen buffalo. The model in the exhibit is cruel, though, as one poor buffalo is shown upside down in mid-tumble, just hanging there. So, using your kinematics knowledge, if the 780 kg buffalo was traveling 10 m/s off of the cliff, and the cliff is 80 m high, then how long would it take the buffalo to actually reach the ground? (assume $g=10$ m/s squared)

A: 4 seconds

- B9. (30 pts.) Many African nations, especially West Africa, gained their independence from France in a five year period (1957-1962). For five points a piece, and a ten point bonus for all correct, place the following former French colonies in order of their independence from France, earliest to latest. The countries are: Algeria, Tunisia, Guinea, Zaire.

A: Tunisia (July 25, 1957), Guinea (Oct. 2, 1958),
Zaire (June 30, 1960), Algeria (July 5, 1962)

B10. (25 pts.) Continuing now with our trip through the Smithsonian, we stop off at the National Air and Space Museum. Our first stop (besides the gift shop) was upstairs to go take a look at the USS Enterprise. But, to our amazement, the Enterprise was gone! Feeling quite rejected, still, we decided to remember some of the great episodes of Star Trek, and for five points a piece, given a small summary, name the episode.

1. Kirk, McCoy, Scotty and Lt. Uhura get beamed aboard an alternate-universe version of the Enterprise, where assassination is common and Spock has a beard. Answer: Mirror, Mirror

2. The Enterprise is back around Earth in the 1960's, trying to stop a strange alien named Gary Seven from sabotaging an American rocket. Teri Garr also co-stars as a secretary.

Answer: Assignment: Earth

3. Kirk and the Enterprise crew meet Trellaine, a powerful being who enjoys toying with Kirk and the crew. It turns out, though, that Trellaine is simply a child of a more advanced species.

Answer: The Squire of Gothos

4. Kirk and Spock meet the Guardian of Forever, and both must go back to Earth's past to save a drugged Dr. McCoy. Joan Collins stars as Edith Keeler, a peace activist that Kirk falls in love with and must watch die in order to set right the future of the Earth.

Answer: City on the Edge of Forever

5. Kirk, Lt. Uhura and Ensign Chekov are kidnapped by a race of beings who enslave them for the purpose of watching them fight, and betting on the outcome. Kirk challenges them to fight one on three for their freedom and, of course, he wins.

Answer: Gamesters of Triskellion

B11. (25 pts.) After lamenting the disappearance of the Enterprise from the Smithsonian, downstairs we see exhibits of some of the famous space and aircraft, including the Mariner 2 probe, and Charles Lindbergh's Spirit of St. Louis. Another plane is also on display, and we stop under that for a minute. It's an orange jet which was the first to break the sound barrier.

1. For five points, who piloted the jet on that historic run?

2. For ten points, what was the name of the aircraft that Chuck Yeager piloted (not nickname but actual name)?

3. And for ten more points, what year did Yeager break the sound barrier in his X-1?

Answer: 1. Charles Yeager
3. 1947

2. Bell X-1

B12. (30 pts.) For five points a piece, and a five point bonus for all five, name the authors of these Pulitzer prize-winning works.

1. The Bridge of San Luis Rey Answer: Thornton Wilder

2. Dragon's Teeth Answer: Upton Sinclair

3. The Fixer Answer: Bernard Malamud

4. Humboldt's Gift Answer: Saul Bellow

5. The Optimist's Daughter Answer: Eudora Welty

B13. (25 pts.) Moving from the Air and Space Museum, next we tackle the National Art Gallery. Current exhibits there include a display of Van Eyck's works, and Titian's works as well. However we blow those off and head directly to Chad's favorite section: 18th-19th century French painters. For five points a piece, and a five point bonus for all four correct, give the artist of these works on display at the Smithsonian.

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| 1. The Boating Party | Answer: Mary <u>Cassatt</u> |
| 2. Four Dancers | Answer: Edgar <u>Degas</u> |
| 3. The Equatorial Jungle | Answer: Henri <u>Rousseau</u> |
| 4. Napoleon in his Study | Answer: Jacques-Louis <u>David</u> |

B14. (20 pts.) At the age of 15, this scientist went on a world tour, and proceeded to stir up trouble. He got himself into a duel, and literally lost by a nose -- his nose. This sliced his trip short and forced him to get a metal nose for his face. It didn't stop him, though, from his important work in astronomy. For 20 points, name this scientist.

A: Tycho Brahe

B15. (25 Pts.) Amino acids are the building blocks for proteins and other neat chemicals in our bodies. However, there are only two of them that contain sulfur atoms which allows proteins to fold into bizarre shapes. 10 points for one and 25 for both - name them.

Answer: Cysteine and Methionine

B16. (25 pts.) 25-10, name this American city.

1. This California city ranks 17th in total population in the U.S. as of the 1980 census, and is the county seat of Santa Clara county.
2. This city's expansion National Hockey League franchise, scheduled to begin play in 1991, is nicknamed the Sharks.

A: San Jose

B17. (20 pts.) An engine which undergoes a cyclical process involving two reversible isothermal and two reversible adiabatic steps is named for the French engineer who explored the properties of such an engine before the first law of thermodynamics was ever formulated. For 20 points, name this type of engine.

A: Carnot (car-NO) Engine

B18. (30 pts.) Sadly, the week in Washington D.C. passed quickly for Chad, and his Smithsonian adventure was soon ended. With a few College Bowl questions in his hand, and a host of copies of The National sports daily in his bag (you can't get those in the depths of Central Florida), Chad headed off to Washington National Airport to catch his plane home. So we leave Washington D.C. with a potpourri of questions dealing with the nation's capital, ten points a piece.

1. The mall area which contains the Smithsonian Institute, the Washington Monument, and the Lincoln Memorial is named for the French architect who first designed the plans for the mall area of the new U.S. Capitol. Unfortunately he never lived to see his plans in action, for it took over 20 years to complete once they finally got started. For ten points, name this architect.
2. Which amendment to the Consitution of the U.S. allows people in Washington D.C. to vote in the Presidential election?
3. Out of Washington D.C.'s professional sports teams: The Capitals in Hockey, the Redskins in Football, the Bullets in Basketball, and the old Senators in Baseball, which has won the most Championships?

Answer: 1. Pierre L'Enfant 2. 23rd
3. Washington Redskins (4)
(note: both Senators and Bullets won one, while the Capitals have won none.)

B19. (30 Pts.) The bowl season is finally over. This bonus will not ask you to name the recent victors. But for five points each - place in correct chronological order these bowl games from oldest to youngest: Cotton, Liberty, Rose, Sugar, Sun (now the John Hancock), and Citrus.

Answer: Rose, Sugar, Sun, Cotton, Citrus, Liberty

(1902, 1935, 1936, 1937, 1947, and 1959, respectively)

B20. (25 pts.) The Spanish occupation of La Florida in the 1500's was spotty at best, but there was one success in it. When the Spanish established a settlement at St. Augustine, they needed a fort to guard the shipping lanes along Florida, and defense any invasion from the north. So in 1696, this fort was completed. Made of a coquina substance, it proved effective when two english raids under James Moore and James Oglethorpe tried to take the city of St. Augustine. The cannonballs in the siege, though, simply were absorbed by the coquina walls. For 25 points, name this St. Augustine fort, still standing today overlooking the Intracoastal Waterway.

A: Castillo de San Marcos