

# What's up

Wednesday

**DEPARTMENT OF AGRICULTURE:** Laurence Speck will speak at 7 p.m. in 207 Harrington.

**ALCOHOLICS ANONYMOUS:** will meet at noon in 139 MSC.

**STUDENT Y ASSOCIATION:** will meet at 7 p.m. in 601 Rudder.

**SULLY'S SYMPOSIUM:** will be held at 11:50 a.m. at the Sully statue in front of the Academic Building. The topic will be Aggie Muster.

**CIRCLE K INTERNATIONAL:** will meet at 8:30 p.m. in 502 Rudder.

**GREAT COMMISSION STUDENTS:** will meet at 7:30 p.m. in 115 Kleberg.

**DANCE ARTS SOCIETY** will meet at 8:30 p.m. in 268 Read.

**EUROPE CLUB:** will meet at 9:30 p.m. on the second floor of the Flying Tomato.

**RACQUETBALL CLUB:** will meet at 7 p.m. at court 7 of the Read Building.

**OMEGA PHI ALPHA:** will hold a meeting for prospective members at 7 p.m. in 206 MSC.

**STUDENT ENGINEERS COUNCIL:** will meet at 7 a.m. in 341 Zachry.

**STUDY ABROAD:** students interested in study abroad programs will meet at 11 a.m. at 251 Bizzell West.

**AGGIE TOASTERS:** will meet at 7 p.m. in 342 Zachry.

**UNITED CAMPUS MINISTRY:** will meet at 6 p.m. at the fellowship hall at the A&M Presbyterian Church.

**MEXICAN-AMERICAN DEMOCRATS:** will meet at 8:30 p.m. in 504 Rudder.

**OFF-CAMPUS AGGIES:** is now accepting applications for spring semester apartment council presidents. Applications are available in 223 Pavilion.

Thursday

**DATA PROCESSING MANAGEMENT ASSOCIATION:** Mobil Oil will present information on careers in data processing at 7 p.m. at the Ramada Inn penthouse.

**PRE-LAW SOCIETY:** will meet for happy hour at 5 p.m. at Rocco's.

**SOCIETY FOR ENTREPRENEURSHIP AND NEW VENTURES:** will meet at 7 p.m. in 201 Rudder.

**ALCOHOLICS ANONYMOUS:** will meet at 12:15 p.m. in 139 MSC.

**ADULT CHILDREN OF ALCOHOLICS:** will meet at 6 p.m. in 502 Rudder.

**UNITED CAMPUS MINISTRY:** will hold a "peanut butter fellowship" at 11:30 a.m. at Rudder Fountain and a Bible study at 6:30 p.m. at the A&M Presbyterian Church office.

**GREEN EARTH SOCIETY:** will meet at 7 p.m. in 604 A-B Rudder.

**ASIAN-AMERICAN ASSOCIATION:** will meet at 7 p.m. in 145 MSC.

**CHESS CLUB:** will meet at 6 p.m. in 308 Rudder.

**BRAZOS DUPLICATE BRIDGE CLUB:** invites students, faculty and any beginners to come at 7 p.m. at College Station Community Center.

**FISH CAMP:** counselor applications are available through Friday in 213 Pavilion.

**PARENTS WEEKEND:** applications and schedule forms are available for any group planning an activity. Applications are due Feb. 27.

**BIG EVENT:** applications for organizations and individuals are available through Feb. 13 in the Student Programs Office and the Student Government Office.

**INTRAMURAL RECREATIONAL SPORTS:** entries for slam-dunk, wallyball, pre-season softball and softball are available in 159 Read.

*Items for What's Up should be submitted to The Battalion, 216 Reed McDonald, no less than three working days prior to desired publication date.*

## NASA settles on use of 2 power systems for space station

By George Weissenberger  
Reporter

NASA has reached a decision concerning the power system for a permanently manned space station after considering many proposals, a NASA publication said.

Dr. Alton D. Patton, director of the Electric Power Institute at Texas A&M, said there are two sides to the issue of the power system.

On one side, there are those who wish to keep the well-known and established solar array—a well-understood and customary method of generating power in space. The solar array is composed of photovoltaic cells, which convert sunlight directly to electricity.

According to facts cited in the report, the problem with the power system arises from the 75 kilowatts of electricity the station will require—far more power than any previous space vehicle. On earth, the space station could power 25 all-electric homes.

But to achieve 75kw, the NASA report said eight solar arrays of about 30 feet by 80 feet would be required. The massive size of these arrays would cause a slight drag on the station, the report said, and this, in turn, would cause the station to decay in orbit, requiring more propellant to reboost the station back to operational orbit.

On the other side, Patton said, were those who supported a new variation on solar power called solar dynamic heat generators.

The report said these generators consist of parabolic mirror segments, which collect heat from the sun's rays. The segments supposedly are capable of reaching temperatures close to 2,000 degrees Fahrenheit.

Patton said this heat would be used to change some still undetermined working fluid into its gaseous

form, and the gas would then be used to turn the electric turbines.

The solar dynamic generator is not yet a tried and true technology, but it is more efficient and shows great potential for the future high energy requirements of space, Patton said.

In its compromise, NASA decided to power the space station with a hybrid system using four smaller arrays 33.5 feet by 43.6 feet to produce 25kw, and the solar dynamic heat engines to produce 50kw. Patton said this will give NASA the advantage of using better-known technology, while experimenting with the solar dynamic generator in space.

Patton said Texas A&M has played a part in NASA's decision-making process by looking into the reliability and safety of various system proposals.

He said A&M researchers have developed mathematical models to help estimate system reliability.

The A&M electrical engineering department also is working on a protective power system, but from an electrical standpoint. Patton said the department's goal is to isolate failed components quickly and in a way that would allow the power system to still perform most of its functions without difficulty.

To help protect the space station's system from power surges when components fail, Patton is working on a computer system to monitor the power system and to identify possible faults before they occur. Once the system detects possible trouble areas, he said, it would automatically close down certain circuits and open others to isolate the area. An indicator light then would come on and warn of the potential problem.

President Reagan committed the nation to developing the space station in 1984. The space station is now in the detailed design phase.

## Patrol seizes 663 pounds of cocaine in West Texas

MARFA (AP)—Two people were arrested and 663 pounds of cocaine confiscated in the second-largest drug seizure in West Texas, officials said Tuesday.

The cocaine, with a street value estimated at \$21.2 million, and the two suspects were turned over to the Drug Enforcement Administration, said Hugh Rushton, chief U.S. Border Patrol agent for the Marfa sector, covering 92,000 square miles.

Phil Jordan, special agent in charge of the DEA in Dallas, said, "You're dealing with a large-scale Colombia-Mexico-United States network. As far as this case is concerned, the investigation is just beginning."

Rushton said the suspects were identified as Carlos Manuel Pol Gar-

cia, 46, and Rosa Maria Rodriguez Pena, 34. Pol Garcia, a Cuban-born resident alien, gave an Andrews, Texas, address but authorities determined he has been living in New Jersey for several years. Rodriguez Pena is from Fort Stockton, he said.

The two were intercepted by Border Patrol agents on Monday as they drove north on U.S. Highway 385, some 13 miles south of Fort Stockton. The drug was found hidden in a 40-foot-long 1978 Itasca motorhome with Nevada license plates owned by Pol Garcia, Rushton said.

Jordan said the suspects were being held without bond in Pecos and were to be brought before a magistrate Tuesday. The cocaine was being transported to the DEA labs in Dallas, he added.

## Gotta Dance? Dance Arts Society

Will be having a general meeting on Wed., Feb. 4 in Room 268 Read (East Kyle) At 8:30 p.m.

- Class Schedules will be Distributed
- Officers & Our new Instructors will be introduced

**EVERYONE WELCOME!**

For More Information Call Ginger 260-0510

## STUDENT GOVERNMENT TEXAS A&M UNIVERSITY Student Senate Vacancies

Now is your chance to be a part of a Dynamic Student Voice with Genuine Influence! If you are concerned about the policies that govern your University and your fellow students, don't pass up this opportunity. The quality of student representation at Texas A&M is dependent upon the quality of legislation our senators enact. Requirements of a Student Senator:

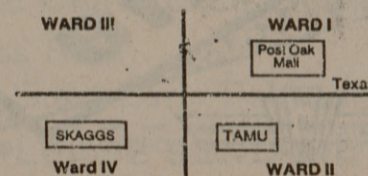
1. Attend all senate meetings. Spring Schedule: Feb. 11, Feb. 25, Mar. 11, Mar. 25, April 8, 7:30 pm 204 Harrington
2. Participate on one of five legislative committees (Academic Affairs, External Affairs, Finance, Rules and Regulations, Student Services)
3. Report to a student organization that is representative of your constituency.
4. Maintain a GPA of 2.25 or higher and post at least a 2.0 every semester while in office.

### Senate Vacancies:

Ward I (2)  
Keathley/Fowler/Hughes  
Clements/Spence/Gainer/Briggs  
Underwood

Architecture Senior  
Architecture (At Large)  
Education (At Large)  
Liberal Arts (At Large)

### OFF-CAMPUS WARD SYSTEM:



Applications can be picked up in Rm. 221 Pavilion. If you have any specific questions about the senate or student government in general, please feel free to call us.

Miles Bradshaw, Speaker of the Senate (696-9399)  
Mason Hogan, Speaker Pro Tempore (260-3367)  
Deadline is 5:00 p.m. Friday, Feb. 6

## Admissions dean to direct Office of School Relations

University News Service  
Texas A&M Dean of Admissions and Records Edwin H. Cooper will step down from his position June 1 to assume new duties as director of the University's Office of School Relations.

The new position will enable him to take a more active role in the actual recruitment of students, as opposed to the administrative one he has held as dean of admissions and records.

"I am truly excited about these new challenges," Cooper said in announcing his plans to leave the deanship. "I started out representing Texas A&M in the field by working with the extension service and am especially pleased to be returning there to work with the many bright and talented

students we have in Texas and elsewhere who are anxious to learn more about what Texas A&M has to offer them."

Acknowledging Cooper's decision, Provost Donald McDonald said Cooper's contributions to the University over the past 30 years have been immeasurable.

"We fully expect those contributions to continue," McDonald said, "and perhaps even be enhanced in his new position as director of school relations."

The Office of School Relations has broad-based responsibilities for student recruitment, including coordinating University representation at college nights, working with high school and

community college counselors to acquaint them with the University, conducting campus tours, staffing the visitor information center and covering all aspects of minority recruiting.

Cooper, 56, earned a bachelor's degree in wildlife management from Texas A&M in 1953 and has been associated with the University in many positions since 1956. He served as a wildlife conservation specialist with the Texas Agricultural Extension Service from 1956-61, leaving the University briefly before returning as an assistant to then-president James Earl Rudder. Cooper also served as an assistant to president Jack K. Williams, as a director of civilian student activities, and as director of admissions

# DANCE DANCE DANCE

			Student/Nonstudent
<b>Ballroom</b>	Thurs, Feb 19	6-9pm	\$10/\$12
<b>C&amp;W at the Hall</b>			
Beginning	Wed, Feb 11-Mar 11	6-7:15pm	\$15/\$17
Advanced	Wed, Feb 11-Mar 11	7:30-8:45pm	\$15/\$17
<b>Jitterbug</b>			
Beginning	Mon, Feb 9-Mar 9	6-7:15pm	\$10/\$12
Beginning	Mon, Feb 9-Mar 9	7:30-8:45pm	\$10/\$12
Advanced	Tues, Mar 3-31	6-7:30pm	\$11/\$13

For further information, phone 845-1631.

TAMU University PLUS

"For His Glory We Will Sing..."

## CAROUTHERS & CO.

Christian Contemporary Group

**DATE:** Feb. 6, 1987 Friday  
**PLACE:** All Faiths Chapel TAMU

**TIME:** 7:30

Sponsored by: Living Word Christian Fellowship