Water Conservation Project on Tap

With a bottom-line goal of reducing water consumption on campus, a major water conservation project is well under way, reports Jim Hansen, assistant director of the Physical Plant. "We have a mission to target water savings by 10 percent," explains Hansen, who notes that the ongoing program was initiated two years ago in conjunction with a request from the Chancellor's Office to reduce water consumption system-wide.

"I'm happy with the progress to date," says Hansen. "Some of the changes (we've implemented) have been phenomenal considering the objective. It's tough to meet this goal because we are growing so fast. We are making steps in the right direction."

During the past year Cal State has been recognized as one of four CSU campuses that have been successful in conserving energy and reducing utility costs, explains Paul Frazier, supervisor of the Grounds Maintenance Department. And, during the 1989-90 academic year, Cal State met its water conservation goal by decreasing usage by 10 percent.

Among the first steps to be implemented were turf aeration and thatching programs geared to improve percolation, eliminate water run-off and decrease watering requirements. A special piece of equipment called an aerator is now being used on the campus grounds. Its function is to pull plugs of soil from the ground thus allowing both water and fertilizer to soak into the turf which becomes compacted if it is not aerated. Turf aeration is an ongoing project completed at least twice a month on the athletic fields and on a yearly basis campus-wide.

The thatching program involves the use of a large mower with thatching wheels that pull the dead, underlying grass or thatch from the grounds which cannot be removed by ordinary rotary mowers. Thatching stimulates and loosens the soil to allow improved water and fertilizer penetration. This process is usually conducted from November through February when the predominately Bermuda grass on campus is dormant.

Another key component of the water conservation program includes a major overhaul of the university's irrigation system. As part of this ongoing project, defective mechanical irrigation control clocks and valves are being replaced with solid state electronic units and worn impact irrigation heads are being modernized with gear-driven heads to increase efficiency. Currently, the campus has eight computerized and 33 manual controllers that operate the irrigation system's 10,000 sprinkler heads and 7,000 valves. Eventually, plans call for an entirely computerized irrigation system.

In addition to upgrading this system, irrigation is being reduced on outlying campus grounds and shrubbery, notes Greg Adler, who serves as the university's irrigation specialist. These include the lawn area behind the Student Services Building, the HAC Building and on the north side of the Physical Education Building. Currently, the lawns are watered twice-a-night in two, 10-minute increments as opposed to the (continued on page 3)
former practice of irrigating an area for a continuous 30-minute period.

Another aspect of the water conservation program calls for a two-month water audit to be conducted on the sprinkler systems. Targeted sites include the campus' main entrance, the physical education fields and the Commons area. "This will give us a good idea of the type of heads we need and will give us an idea of how much money it will take to bring uniformity to the system," explains Frazier.

"I estimate a 30 percent reduction in water usage once all systems are uniform and all the controllers are computerized," notes Adler. "When the entire system is complete, we will save money on both manpower and water usage."

Both Frazier and Adler agree that Cal State is on the right track with its water conservation program. During April & May of this year, the university decreased its water consumption by approximately 15-20 percent. The average monthly water bill is $9,500. During the summer months, this figure can reach as high as $17,000. Both note that it's hard to predict if the 10 percent goal will be realized for the 1990-91 year due to the heavy water demands necessitated by the ongoing campus construction.

**Computer Science Degree Receives Prestigious Accreditation**

Dr. Peter Wetterlind, chair of the Computer Science Department, is pleased to announce the accreditation of the bachelor of science degree in computer science by the Computer Science Accreditation Commission (CSAC) for the Computing Sciences Accreditation Board (CSAB), a specialized accrediting body recognized by the Council on Postsecondary Accreditation (COPA) and the U.S. Department of Education.

"The accreditation means that our graduates will be able to enroll in a master's degree program without reservation. This adds a bit of prestige to our program, since there are so few schools in the country with such standing," explains Wetterlind. Cal State is one of only 11 universities in California to receive accreditation by the CSAB. Nationwide, fewer than 90 institutions of higher education have accredited computer science programs. According to Dr. Jerrold Pritchard, associate vice president for academic programs, "The accreditation is an indication of the excellence of the program."

Last fall, 260 Cal State students were enrolled in the program. Individuals interested in obtaining information on the B.S. degree in computer science are encouraged to contact Wetterlind at Ext. 5333.

**Your Efforts Help Save Water**

Members of the campus community can assist the university's water conservation program by practicing a number of measures. Avoid letting the water run when washing your hands or brushing your teeth. Report leaky faucets or constantly running drinking fountains and toilets to the Physical Plant. Likewise, alert the Physical Plant if you observe any sprinkler that operates over an hour or sprinkler geyser. Limit the time spent in the Physical Education showers and don't prop doors open while the air conditioning is running. With everyone's help, we can reduce energy costs and conserve water.

**New Room Locations for School of Business and Public Administration**

Please note several room changes within the School of Business and Public Administration. The school's reception office is now located in AD-139. This office handles general information, drop petitions, overloads, etc. Department secretary Sharon Cady is located in AD-142 and may be reached at Ext. 3703. Clerical assistant Melody Powell has transferred to the School of Social & Behavioral Sciences.

The master's program office for the school has relocated to AD-132. Graduate secretary Irene Gonzales may still be reached at Ext. 5703. Dr. David Bellis has moved his office to AD-127. He may be contacted at Ext. 5759. Clerical assistant Beth Negrey is now located in AD-137. She may be reached at Ext. 3702 or Ext. 5700.

**Health Center Closed**

The university Health Center is closed during the month of August. In the case of an industrial injury, please contact Marjorie Callaghan, benefits officer, in the Personnel Office at Ext. 5138. In the case of a medical emergency, you are advised to report to the emergency room at St. Bernardine Medical Center in San Bernardino and report that you are a Cal State employee seeking treatment for a work-related injury. Remember that all injuries need to be reported to your supervisor.

**Benefits Update**

Please note that the open enrollment period for vision benefits has been extended through Nov. 30, 1990. The new Vision Service Plan (VSP) went into effect on Aug. 1. Employees who were previously covered by the campus's eye care plan have automatically been enrolled with the new VSP. Any questions regarding the new plan may be directed to Marjorie Callaghan, benefits officer, at Ext. 5138.
CSUSB 25th Anniversary
Fall Calendar

CSUSB

Cal State will observe its silver anniversary with a variety of activities planned for the 1990-91 academic year. Listed below are the major events scheduled for the fall quarter. Mark your calendars and plan to join these celebrations:

Convocation
Tuesday, Sept. 18
9 a.m., Gymnasium
President Anthony Evans officially launches the university's 25th anniversary year. Founding faculty and staff members and others who played a role in the university's development will be recognized. Professor Ward McAfee, whose book on the history of the university will be available this fall, also will give insight into the institution's evolution. All campus faculty and staff are invited. A reception will follow from 10-10:30 a.m. in the area adjoining the gym. Free. Call the President's Office at Ext. 5234.

Silver Anniversary Gala
Saturday, Oct. 27
6 p.m., National Orange Show Restaurant
Share dinner and stories of the university's early days and growth at this black-tie-optional celebration. The festivities also will include a slide show with original music composition, presentation of the new CSUSB alma mater and fight song, and dancing to the music of Latin Society. Admission is $35 per person. For ticket information, call University Relations, Ext. 5004.

"CSUSB Celebrates 25 Years"
Sunday, Nov. 4
2 p.m., Recital Hall, Creative Arts Building
Enjoy a talk by Dr. Ward McAfee, professor of history and author of the book "In Search of Community: A History of California State University, San Bernardino." This event is sponsored by the Pfau Library Associates. A reception will follow. Free. Call Associate Librarian Johnnie Ann Ralph at Ext. 5102 for more information.

Cal State and Spirit Baseball Team Up for Card-Fest '90

The San Bernardino Baseball Club and the Athletic Department will co-host a baseball card show on Sunday, Aug. 19 at Fiscalini Field. Proceeds from Card-Fest '90 will benefit the Spirit's scholarship fund for CSUSB baseball.

The venture is the first of its kind between the two groups which represent San Bernardino's collegiate and professional sports image. According to David Suenram, athletic director, it is a perfect match with worthwhile results.

"It is a natural thing for the Spirit and Cal State to work together," says Suenram. "Both organizations have the same goal of bettering our community. We are in a position to provide a quality educational experience to local athletes, and the Spirit is a popular and respected baseball club. By putting our heads together, we should be able to assist our baseball scholarship fund which, in the long run, comes back to help the community.

"It also is beneficial to baseball fans who will get a great card show and also can enjoy the wonderful baseball atmosphere provided at a Spirit game." The show will run in conjunction with the Spirit game versus the Reno Silver Sox.

Card-Fest '90 will be open to the public from noon-4:30 p.m. Admission is $2 per person. Those with tickets to the Spirit game may attend the show from 5-9 p.m. Special features of the card show will include an appearance by Spirit star Ruben Gonzalez. In 1989, Gonzalez was the California League triple-crown winner. He will be available for autographs and photos from noon-2 p.m.

A sports raffle will feature many great "memorabilia" items. Some of the items up for grabs include a football signed by Los Angeles Rams quarterback Jim Everett, baseballs autographed by Baseball Hall of Fame member Duke Snider, Spirit tickets and much more. Raffle tickets are $1 each or 12 for $10.

Additional information on Card-Fest '90 is available from Dave Beyer, sports information director, at Ext. 5012.
Musical Entertainment Abounds As Summer Concerts Continue

If you haven’t made it out to the ongoing series of summer concerts this year, there’s still time to gather the family, pack a picnic supper and head back to campus for an evening of free musical entertainment.

Westwind Brass takes the stage on Aug. 15. This group’s repertoire ranges from classical favorites to Boston Pops-style music to Dixieland sounds.

Fresh from a recent bronze-medal win at the Keystone International Brass Ensemble Competition in Colorado, this popular San Diego-based quintet has made over 140 Southern California appearances during the past two years including a two-year engagement as a featured entertainment attraction at Sea World.

On Aug. 22, Flinting will treat concertgoers to one of the newest sounds to reach the U.S. as they perform “world beat” music. The term “flinting” refers to a type of music which synthesizes the sounds of calypso, salsa, reggae, soca and ska. “World beat” music has been played during the past 15 years in Europe but is fairly new to many American music lovers.

Rojelio Mitchell, Flinting’s leader and rhythm guitarist, writes much of the group’s music. He has appeared with his band at the week-long Los Angeles Street Scene fair, at My Place in Santa Monica and at the Lighthouse in Hermosa Beach.

His seven-piece band is composed of Los Angeles area studio musicians who have worked with such popular artists as Neil Young, Tony Orlando and Vicki Carr.

The popular and familiar sounds of the local group, Latin Society, will close out the summer concert series on Aug. 29. Formed more than 20 years ago by the group’s bass guitarist Moe Estevene, Latin Society has performed several times on campus as well as at the Hollywood Hotel, Perris Hill Bowl and many black-tie functions, including the mayor’s ball in San Bernardino.

It was at El Crescendo, a nightclub on San Bernardino’s west side known for offering good Latin jazz, that the group entertained regularly before the club closed in the early 1970s. Today, even though the band plays contemporary music as well as rock ‘n’ roll oldies, the group’s use of wind instruments gives its sounds a distinctively Latin flavor. Such flavor is enhanced through use of the guitar and the timbales, a drum system with cowbells.

All concerts begin at 7 p.m. on the Lower Commons Plaza. Hot dogs, soft drinks and candy will be sold during all three performances. This year’s Summer Entertainment Series is sponsored by the Associated Students, Inc.; the Student Union; the California Arts Council; WEB Service Co.; and N.E.C. Business Communications Systems.

Construction Update

As this issue of the Friday Bulletin goes to press, progress is well underway on the new classroom/student services/faculty office building reports William Shum, director of Physical Planning & Development. To date, the concrete has been poured for nearly 60 percent of the building’s foundation. Utility lines for water and sewer service have been installed under the surface road. And, shorings are being constructed to protect the surface road before the contractors begin their work on the perimeter foundation wall.

Members of the campus community are reminded that the job site is a hard-hat area. The open trenching and heavy equipment in operation pose potential danger for site visitors. For your personal protection and safety, members of the campus community are encouraged not to walk into the job site area. However, if enough interest is expressed, tours of the site may be arranged through the Physical Planning & Development Office. Interested individuals may contact Shum at Ext. 5136.

Staff Member Hospitalized

A member of the Custodial Services staff, Chris A. Topoleski, remains hospitalized at Kaiser-Permanente Medical Center in Fontana, CA, reports Al Saavedra, chief of Custodial Services. As this issue of the Friday Bulletin goes to press, Topoleski remains in an intensive care unit. Further details of his illness have not been determined. Topoleski has been employed at the university for nearly 10 years.
EMPLOYMENT OPPORTUNITIES

Current job vacancies can be seen on Channel 3, the community access station in San Bernardino. Information also is available on a 24-hour hotline at Ext. 5139 which is updated at 3 p.m. Fridays. Applications will be accepted until the dates listed below:

**Accounting:**
Intermediate Account Clerk-
$1572-$1855/mo.; full-time, permanent.
Apply by Aug. 24.

**Bookstore:**
Accounting Clerk Trainee-
$1169-$1367/mo.; full-time, permanent.
Open until filled.
(not a state position)

**Campuswide Clerical Positions:**
(Current and future openings)
Clerical Assistant IIA-
$1607-$1897/mo.;
Clerical Assistant IIB-
$1611-$1900/mo.; full-time, permanent and full-time, temporary through Dec. 31, 1990.
Clerical Assistant IIA-
$9.27-$10.94/hr.;
Clerical Assistant IIB-
$9.29-$10.96/hr.; temporary. Open continuously.

**Financial Aid Office:**
Associate Director/Student Services Professional

**Manager I-**
$35,000-$45,000/yr.; full-time, permanent.
Apply by Aug. 31.

**Physical Education:**
Athletic Equipment Attendant IIA-
Apply by Aug. 10.

**Physics:**
Equipment Technician IIA-
Apply by Aug. 24.

**Birth Announcements**
Congratulations are extended to Patricia Rodgers-Gordon (Career Development Center) on the July 9 birth of her grandson, Calvin Allen Marshall, who weighed 6 lbs., 7 oz. Best wishes also to the proud parents, Calvin and Martina Marshall of San Diego.

Best wishes also are extended to Lorraine Frost (Computer Center) and her husband, Jerry, on the July 18 birth of their daughter, Andrea Louise. Congratulations from the entire campus community.

**In Memoriam**
The campus community extends its deepest sympathy to the relatives and colleagues of Dr. Frank Beeman (Advanced Studies) who died Aug. 4 after being ill for several weeks. He is survived by his wife, Betty.

**Youngster Seeks Guinness Record**
An English lad named Craig Shergold hopes to enter the Guinness Book of Records for the largest number of "get-well" cards on record. The seven-year-old is suffering from a brain tumor and has a short life expectancy. Members of the campus community may forward cards to:
Craig Shergold
36 Shelby Road
Carshalton
Surrey, SM8 1LD
England
COMMUNITY SERVICE

Denise K. Benton (Upward Bound) participated in a substance abuse training program held at Big Bear High School on June 29. The program was titled "Substance Abuse: Working With Youth in Schools and the Community Trainer of Trainers." Trainers shared information on various resources available to students and families working toward a drug-free community.

Dr. G. Keith Dolan (Education) presented "Sports Oddities" at a meeting of the Crestline Rotary on Aug. 2.

Dr. Amer El-Ahrat (Academic Resources) has been appointed as chair of the Education Division for the 1990-91 Arrowhead United Way campaign.

Dr. Lanny Fields (History) discussed "Modern U.S.S.R." with members of the Grand Terrace Lions Club on Aug. 1.

Dr. Adria Klein (Education) discussed "Literacy in the Community" on KCSB-TV's "Literacy Speakers Forum." The show was taped on July 24 for future broadcast.

Dr. David O. Porter (Business & Public Administration) was reelected as chairman of the board of the San Bernardino Convention & Visitors Bureau on July 17.

Dr. Rodney Simard (English) has been invited to serve on the Advisory Board of the Palm Springs International Film Festival.

C A L E N D A R

Wed., Aug. 15
Summer Entertainment Series.
"Westwind Brass," performs popular hits and classical concert favorites.
7 p.m., Lower Commons Plaza. Free.

Thursday, Aug. 16
Recreational Sports Program.
"Canoeing," by Chuck Reynolds, free-lance recreation instructor.
7 p.m., Room 129, Physical Education Building. Free.

Tuesday, Aug. 21
Extended Education Conference.
"Teachers Are #1," co-sponsored by the San Bernardino County Superintendent of Schools. The conference runs through Friday, Aug. 24. Call Ext. 5977 for registration fees and information.

Wed., Aug. 22
Summer Entertainment Series.
"Flinting," combines Latin jazz sounds with Caribbean rhythms.
7 p.m., Lower Commons Plaza. Free.

Thursday, Aug. 23
Recreational Sports Program.
"Outdoor Photography II," by Dan Moseley, campus photographer. Participants are encouraged to bring sample photographs for critiquing.
7 p.m., Room 129, Physical Education Building. Free.

Wed., Aug. 29
Summer Entertainment Series.
"The Latin Society" concludes this year's series of concerts featuring big band music with a salsa beat.
7 p.m., Lower Commons Plaza. Free.

Monday, Sept. 3
Labor Day Holiday. University closed.

Wed., Sept. 5
Welcome Breakfast. The San Bernardino Area Chamber of Commerce welcomes new area educators.
7:30 a.m., Upper Commons. Admission is $10 per person. For reservations and information, contact the chamber at 885-7515.

The California State University, San Bernardino Friday Bulletin is normally published twice monthly. However, this issue is the only bulletin scheduled for the month of August. In September, the newsletter will resume its twice monthly publication schedule. The next issue is scheduled for Friday, Sept. 7. Items for publication should be submitted in writing by noon, Thursday, Aug. 30 to:

Terrie Jo Snyder, editor
Public Affairs Office
(AD-104) Ext. 5007
Vol. 24, No. 16