CALIFORNIA STATE UNIVERSITY, SAN BERNARDINO

THE FRIDAY BULLETIN

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A COOL MILLION KEEPS TEMPS EVEN, COSTS DOWN

WHAT'S BREWING?—The new thermal energy storage tank on the northwest perimeter of the campus now is in full use, cutting energy bills by one-fifth.

A ceremony recognizing the rebate from Southern California Edison will be held later this quarter.

California State University's newly installed thermal energy storage tank has earned the university a $321,000 rebate from Southern California Edison and now is helping the campus reduce high energy costs.

Operating since early December, the thermal energy storage tank, or TES, stores one million gallons of chilled water that is used to cool all major buildings at Cal State. Some of the new buildings, such as Jack H. Brown Hall, have as much square footage to heat and cool as all the buildings combined at a mid-sized high school campus.

The cost of utilities at Cal State in 1986, says David DeMauro, vice president (Administration and Finance), was $750,000. That figure has jumped to $2.3 million this year.

Now that the tank is operating, the university runs its two main chillers only at night when the cost per kilowatt hour during the summer, for example, is about five cents, says DeMauro. During the summer, it costs 14.65 cents per kilowatt hour to run the university's air-conditioning at peak energy-use periods.

"That equates to an estimated energy cost avoidance of $424,213 per year," DeMauro adds. The rebate was offered as an incentive by Edison and is part of the company's effort to reduce energy consumption and the need to construct more power plants.

Part of the rebate money is being used in other energy conservation projects around Cal State, such as the installation of classroom and office motion detectors that turn off lights in the absence of motion after a certain period. The TES cost almost $2 million and so should pay for itself in about four-and-a-half years.

The new system is a computer-operated, closed loop system. It sends chilled water from the bottom of the TES to designated areas around campus and returns the water to the top of the 66-foot-high, 52-foot-diameter tank, which sits on the university's northwest end. The water temperature is monitored by 30 probes that run vertically down the tank.

DISTANCE LEARNING CAPABILITIES OF CVC EXPANDED BY GRANT

A half-million dollar proposal to establish a distance learning network between Cal State, San Bernardino, its branch campus in Palm Desert and two other locations in Joshua Tree and Blythe is being funded by the South Coast Air Quality Management District (SCAQMD).

The $486,458 project, that will be nearly matched by the university, will set up capabilities for televised instruction between Cal State and the outlying classrooms. It is endorsed by the SCAQMD because it will reduce the commute of students, faculty and staff.

Nearly 500 students are enrolled at Cal State's Palm Desert campus, the Coachella Valley Center, and approximately 100 men and women are expected to take advantage of the classes that will be available through this project at Copper Mountain College in Joshua Tree and at the Palo Verde School District offices in Blythe, reports Peter Wilson, dean of the university's Coachella Valley Center.

"I look at this as the beginning of a comprehensive effort to expand the accessibility of four-year degrees and graduate programs for Low Desert residents," Wilson says, adding that the teleconferencing network could be linked with other school districts in the future.

The video-teleconferencing system would enable the university to deliver instruction and academic advising, as well as conferencing capabilities during non-class hours, Wilson notes. Equipment will be established at the Palm Desert campus site first while telecommunications links are made between the site and Joshua Tree and Blythe. The system eventually will serve 40 classrooms altogether and be fully operational by 1998.

Other potential uses for the network include in-service programming for K-12 teachers, educational services for inmates of Cahuilla Valley State Prison and university outreach activities. The technology also will offer the benefits of programming available from several of the other 19 California State University campuses, Wilson adds.
VASE PAINTERS INFLUENCE REDLANDS ARTIST'S WORK

Recently, Louis Fox has been noticing pots. "I have always admired the quality of the drawings on Greek vases," says the Redlands painter, whose exhibit at Cal State opens Jan. 20. "But I never looked very seriously at the shapes on which these artists worked."

Fox has never seen much more than a surface on which to paint images to Fox, who has come to value the "abstract potentials of the vases themselves."

With distinction, Fox earned his B.A. from the University of Redlands and his M.A. from Claremont Graduate School. He was influenced, from a young age, by Poussin, Ingres, Cezanne, but especially by the Brygos and the Berlin Greek vase painters.

Fox considers himself an abstract artist, and says that formal relationships in his work, not content, are his primary interest. His work will be on display Jan. 20-Feb. 23. An opening reception will be held on Jan. 20 from 5-7 p.m. in the University Art Gallery. For more information, call Ext. 5802.

SOFTWARE SITE AGREEMENTS OFFER CAMPUSWIDE BENEFITS

Cal State recently signed two software licensing agreements—one with the WordPerfect Corporation, and another with Borland International.

The Wordperfect contract is a three-year "purchase" contract. For new licenses or upgrades to existing WordPerfect word processing software licenses, a department will pay only $19.40 per license, although prices could change.

Users will be allowed to install the software on one computer, and will be able to obtain copies of the different word processing user manuals from the Duplifacating Center for the price of duplication. Other WordPerfect products also are available at a reduced rate.

The 18-month Borland contract, paid for by the School of Business and Public Administration as well as Academic Computing and Media (ACM), permits users to install Borland products without paying any additional fees. The contract includes both QuattroPro and Paradox for Windows. Users also will be able to obtain copies of the high-technology software user manuals from the Duplifacating Center for the price of duplication.

30 MINUTES EXERCISE A DAY FOR BETTER HEALTH

Winning the battle to stay fit always is trying—especially after a calorie-filled holiday season where spare time has been consumed by festivities.

Increasing your physical activity, if only for a few minutes each day, can be the key to prevention to preserve good health, notes fitness expert Dr. Jennie Gilbert (Physical Education).

Exercise Lite, new exercise guidelines, recommends that adults accumulate 30 minutes or more of moderate physical activity over the course of most days of the week. The guidelines are developed by the American College of Sports Medicine and the U.S. Centers for Disease Control, in conjunction with the President's Council on Physical Fitness and Sports.

Gilbert says that over the years most fitness guidelines have promoted a standard of athletic perfection that requires a high level of rigorous training. This has discouraged many Americans from starting or sticking with a program of regular exercise.

"Not everybody wants to be fit," says Gilbert, "but yet there is an epidemic of inactivity, and inactivity increases an individual's risk for coronary heart disease."

It's not a primary risk factor, but (combined with other factors such as obesity, diabetes and family history of heart disease,) certainly increases the risk of future health problems.

The Exercise Lite guidelines are designed to move office workers into athletes, but to promote a level of activity that can minimize the long-term health hazards associated with a sedentary lifestyle.

"Under the old guidelines, that (rigorous exercise) was what you needed to do in order to be physically fit," says Gilbert.

"But now the new guidelines are saying, "Okay, you don't need to do that much exercise for fitness, but we want you to do something for health."

"What that means is: let's park at the far end of the parking lot. Let's take the stairs instead of the escalator. Let's get up and do some yard work. Instead of sitting in front of the television, do something where your body is moving. And it doesn't have to be a training heart rate. Not everybody has to be a fitness guru, but let's get people physically moving."

COMMUNITY SERVICE

At the national meeting of the Association of Lecturers of English in Denmark last month, Dr. Elliott Barkan (History) gave key addresses on the Los Angeles riots and ethnic businesses and marketing. Also, he gave several lectures at five different Danish colleges.

On Nov. 20, Dr. Leo Connolly talked about "The Search of Extraordinarily Intelligent" to the High Desert Astronomical Society at the Apple Valley Science Center.

Dr. Mildred Henry (Advanced Studies) was the keynote speaker for the High Desert African-American Chamber of Commerce on "Self-help or No Help" on Oct. 30 in Victorville. On that same day, Henry was a panelist at the regional conference for the Women's Council of the State University held at CSUSB. She spoke on "Taking the Message to the World."

Dr. Mary Smith (Marketing) spoke to the San Bernardino Rotary Breakfast Club about Marketing for Small Businesses on Nov. 18.

Dr. Alexander Sokoloff (professor emeritus, Biology) demonstrated Protozoa and the plant-breeding organs under the video microscope to sixth grade GATE students at Dr. Martin Luther King Academy in late October and early November, respectively.

WEDDING BELLS

Congratulations to Lynn (Cramer) Ray (Accounting and Finance) who married George Ray, a paramedic-firefighter from San Bernardino, on Dec. 4. The newlyweds were married at Calvary Baptist and will make their home in Redlands. And congratulations to Karen Michelle Yates (Sponsored Programs) and William Edward Gray (Athletics) who were married on Christmas Eve at the Riverside Mission Inn.

CALCULATOR SATURDAY, JAN. 8

Men's Basketball. Cal Poly, San Luis Obispo, 7:30 p.m.

THURSDAY, JAN. 13

Women's Basketball. U.C., Riverside, 5:45 p.m.

Men's Basketball. Cal State, Bakersfield, 8:05 p.m.

Music. Inocogano Band plays Spanish/English alternative music. 8:10 p.m., Student Union Event Center. Free.

FRIDAY, JAN. 14


FRIDAY, JAN. 21

Music. Special concert for CSUSB alumni and general public featuring the CSUSB Symphonic Band and Concert Choir. 8:15 p.m., Creative Arts Building Recital Hall. Free. Ext. 5859.

(All athletic contests are home games, unless noted otherwise.)

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