

## Prof builds area's first solar home

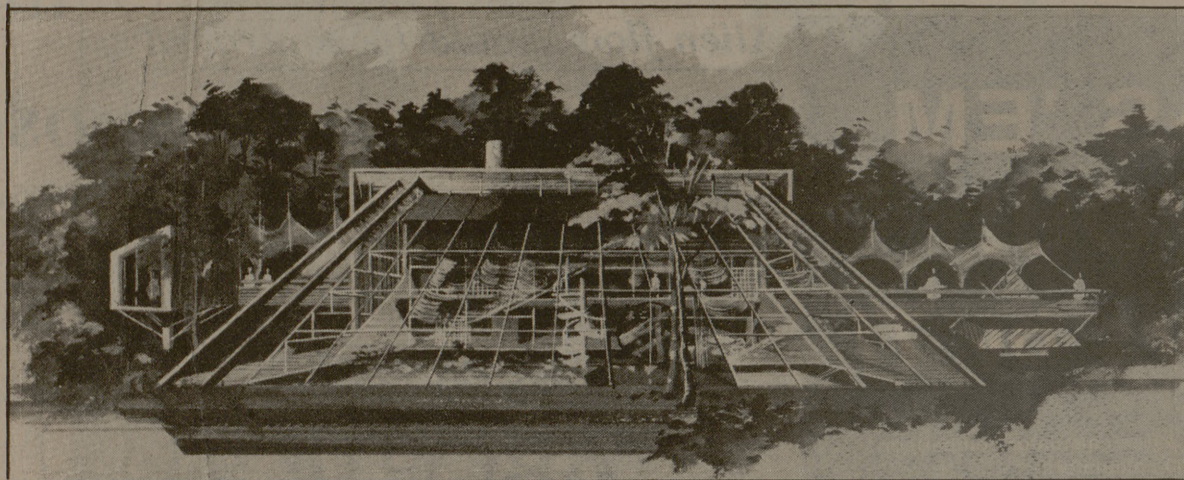
A Texas A&M University professor of architecture is building the area's first solar home on the outskirts of College Station.

Peter Zweig of the College of Architecture and Environmental Design says the design not only incorporates the use of solar energy, but is structured to remain stable despite the region's unstable soil conditions. The soil conditions reportedly millions of dollars of damage to homes each year.

Zweig's home has the living area wrapped around a greenhouse, and a fireplace that also functions as air-conditioner.

The design of the house is unique because the energy concepts dictated the design of the form according to sun's rays," Zweig said recently. The A-frame was designed to keep sun's rays off the north wall, to let the south to accept the heat of winter sun and to minimize the shadow on the east and west.

By integrating a green area into the living space of the house, the



The house, an artist's representation, will be Bryan-College Station's first solar home. It was designed by and will be the home of

Texas A&M University Professor Peter Zweig of the College of Architecture and Environmental Design.

design has become characteristic of the national concerns for energy and evolving new patterns of humanistic functions and needs within the home. The greenhouse face was conceived as blinds for deflecting the hot sun's rays in the summer and allowing them to enter during the winter.

There was an expressed desire for an energy-conscious design that would use the best of 20th century technology. To this end the house is designed around the fireplace as the central focus for public gathering.

"The fireplace is used as a year-round gathering place because air conditioning ducts have been placed in the fireplace," Zweig said. "Therefore, the fire makes it a warm place in the winter and air-conditioned air comes out of the fireplace in the summer, making it again the natural place to gather."

The interior walls in the living area uses mirrors to reflect particular views of the trees and exterior. Two walkways extend from the house leading in one direction to the entrance and a pyramid storage area,

and in the other direction to a private studio which can also be used as a guest room.

The whole living unit is on piers in order to allow air to pass under the house for ventilation. Adjustable cables encircle the A-frame and turnbuckles allow the owner to adjust the tension on them to accommodate the swelling and shrinking of the East Texas clay soils.

Zweig estimates the utility cost will be reduced a minimum of one-quarter the current energy fuel bills.

## Tut exhibit dazzles visitors

United Press International  
NEW ORLEANS — The unique craftsmanship and design of the Treasures of Tutankhamun dazzled opening day visitors even more than a small turnout which meant virtually no waiting lines.

"I just kept gasping as I came to the workmanship and the artistry," Sister Dorothy Dawes, a teacher of Old Testament studies at the University of Southwestern Louisiana, said Sunday after she studied the exhibit at the New Orleans Museum of Art.

"To think that was 3,000 years ago," she said. "The thing I liked

best was the little boy king. And he was only 9 years old. I just almost cried when I saw it, really, I was so excited."

The exhibit of 55 gold, alabaster and jeweled artifacts found in Tut's tomb in 1922 was expected to draw about 6,000 persons. Long lines were expected at the opening of the four-month exhibit. Instead, only about 4,500 showed up and many moved quickly into the display area with no waiting.

Among those who camped out overnight in order to be near the front of the line were Chris and Alice Breitenbach of Dodge City, Kan.

They waited outdoors about 11 hours to purchase their tickets.

The exhibit, which drew more than 2 million persons in Washington and Chicago, will be in New Orleans until Jan. 15, 1978, before going to Los Angeles, Seattle, New York and San Francisco on a schedule that will keep it in the United States until mid-1979.

Museum officials attributed the small crowd to pre-exhibit publicity about expected long lines, the season opener for the New Orleans Saints and the beautiful summer weather.

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## Jobs, loans, grants help students

BY DEB KILGORE

For a large number of college students, going to school means more than just taking a full load of courses. Changing Times magazine survey reported that 40 percent of the nation's college students hold part-time jobs during the school year.

The May 1977 survey reported that 75 percent of the students who find them. Financial need, however, usually determines who goes on-campus jobs.

The federal government subsidizes thousands of students jobs through its College Work-Study program, which was authorized by the Economic Opportunity Act of 1964. The CWS program requires that jobs go to students who need them most.

At Texas A&M University, the CWS program is assisting 300 students through grants, loans and part-time jobs, said Robert M. Logan, director of the Student Financial Aid Office.

To qualify for the CWS program, Logan said the student must submit Parents' Confidential Statement (PCS) or Financial Aid Form (FAF) to the College Scholarship Service. If the student is approved, he is notified by an "offer letter" of the amount of money he can earn under the program, he added.

"We take students with a two point or better grade point ratio, taking 12 or more hours and not on conduct probation and we then meet 35 percent of their financial needs with a grant," Logan said.

To supplement this grant, Logan said, the student is sent to the department relating to his degree plan for employment. If no jobs are available in that department, the student goes to the office or department of his choice or to one needing a CWS student, he added.

"We get job calls from various organizations and departments on campus," Logan said. "We have many cards with requests on them, but we encourage the student to work in his own department or a closely related one."

Logan said a student employed in the CWS program cannot work more than 20 hours a week and has a set amount of money he can earn.

"Once he reaches the needed sum in the Work-Study allocation, he can't work anywhere on campus the rest of that year," Logan said. "I don't like it because if a student wants to work he should be able to. However, if we permitted that, we'd be cut off from federal funds."

Logan said students are paid at least \$2.30 an hour and at most \$3.50 an hour. Wages depend on a student's experience and the department. "We have a suggested pay

scale, but the department makes the final decision," Logan said. "The student is paid bi-weekly like any other wage employee on campus. During holiday periods, the student may work up to 40 hours a week."

If a student does not want a job, he can supplement the grant with a loan, Logan said. A student can borrow up to \$1,500 for two semesters and \$500 for both summer sessions, under the Hinson-Hazelwood College Student Loan program which is available through the University. There are also two other loan programs available to students.

"The veterinary student is in a different category," Logan said. "He is in a professional school and goes three semesters for three years, so he can receive \$2,500 a year."

Logan said the federal government pays 80 per cent of a student's wages while the employing department pays 20 percent.

"This office prepares an application to the federal government annually for funds," Logan said. The federal government allocates funds to 5,000 colleges. However, we received only 69 percent of the funds requested this year."

Because some students are unable to show financial need, the Student Financial Aid Office has employment listings (job leads) on and off

campus available to everyone. The job leads are usually called in by the department, office or business that needs a student worker.

Students are responsible for their own appointments with potential employers. No rules or regulations prohibit freshmen or members of the Corps of Cadets from working. The student's working hours depend only on his class schedule and the amount of time he wants to devote to studying.

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### Monday Night Courses

Human Sexuality 7-8:30 p.m.  
Self Defense For Men & Women 6:30-8 p.m.  
Library Techniques Workshop 7:30-9 p.m.  
Bartending 7-8 p.m.  
Key to Better Living — Yoga 5:30-6:45 p.m.  
Intro. to Wargaming 7-8:30 p.m.  
Bicycle Repair 6-8 p.m.  
Basic Automotive Repair 6-8 p.m. (Begins Oct. 24)  
Social and Recreational Dance 7-9 p.m.  
Helping Free University 7:30 p.m.

### Jogging

Standard First Aid 7-8 p.m.  
Twirling 8-9 p.m.  
Basic Rifle Marksmanship not definite 7-9 p.m. (Begins Oct. 4)

### Wednesday Night Courses

Social and Recreational Dance 7-9 p.m.  
Basic Flower Arranging 7-9:30 p.m.  
Growing Plants Indoors and Out 7-9 p.m.  
Introduction to the Camera 7-8 p.m.  
Job Placement Counseling 8-9 p.m.  
Guitar (Beginning) not definite

### Tuesday Night Courses

Philosophy of Non-Violence 7-9 p.m.  
Art of Pipe Smoking 7:30-9 p.m.  
Beginning Astrology 6-7:15 p.m.  
Frisbee 5:30-7:30 p.m.  
Bridge 7-9 p.m.

### Thursday Night Courses

Yoga 5:30-6:45 p.m.  
How to Live On Less 5:30-6:45 p.m.  
Science Fiction for Beginners 7-8 p.m.  
Algebra (tutoring) not definite

Registration Fees will be collected on Registration Day. A \$3.50 Fee will be collected and \$3 will be returned if ¾ of the classes are attended. The Classes with an asterisk by the side of it has a materials cost and the refundable deposit does not apply. For More Info- Call 845-1515.



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