Sun may supply all energy

By MARILYN BROWN

The sun, so sorely missed the last ew weeks, may one day supply all he world's electricity, says Harlan mith, University of Texas professor

Dr. Smith was part of a threenember panel which spoke on fuare energy technology during a Friday morning meeting at the Stu-dent Conference on National Af-

The other speakers were E. Linn Draper, University of Texas professor of Nuclear Engineering, and Dr. Stephen Riter, head of Texas Engieering Experiment Station Center or Energy and Mineral Resources. Riter spoke first on what he ermed "mundane solutions to the energy problem." These include plomass conversion — deriving mergy from organic matter — and he use of alcohol, coal, and solar

Riter contended that the sun is he ultimate source of all energy and hat oil and gas represent that nergy trapped in plants and tapped millenia later. Because the world's opulation can't wait another milnia, Riter suggests direct fuel production from crop, animal and unicipal wastes.

Riter said the greatest misconcepon about the energy crisis is that we think we have to make largecale, irrevocable decisions between

uclear or solar power."
Riter said small-scale power oduction would lessen the need to uild large power plants or to conert exisiting ones. This would in-olve individual solar or coal units in the home and farms which supply neir own energy with methane gas ade from manure and alcohol ade from crop wastes.

He said many small projects cross the state researching these nergy sources.

Panelists agreed the federal govment would be a major influence the types of energy developed cause it regulates the energy instry so extensively

Riter said he thinks large-scale ergy production encourages furer government regulation and reriction and enables a few large rporations to dominate the indus-

He said nuclear energy now acints for half the Carter adminisation's energy research funds.

"It's a question of whether the

Draper, a nuclear energy propo-nent, said he thinks nuclear energy nd coal "will bear the lion's share" fthe U.S. energy needs of the next

"Unless the government allows e construction of more (nuclear) lants we face a critical energy ortage," Draper said.

He said there are 68 nuclear lants in the U.S. which provide 10 ercent of the country's electric ower. They provide as much as 70 ercent for the Chicago area when al is in short supply, Draper said.

He said nuclear energy is the east sensitive to fuel cost increases ecause the amount of fuel: so small. It now costs watt hour, 20 percent an coal at \$.18 per kilowatt nd half the price of natural gas at

.35 per kilowatt hour.

Draper said he thinks nuclear ergy has caught on slowly because politicians have misconceived the ablic sentiment." He said national lls have found 60 percent of the iblic "at the grass roots level" in pport of nuclear energy. He also id extensive government regulaon impedes private investments in uclear plants.

Draper said nuclear plants were among the safest devices devised man," calling them safer than any other type of power plants. As a quard for potential nuclear blast, overnment strictly regulates their construction and it takes about 13 ears to build a nuclear plant that eets government safety standards. He said waste disposal and radiaon leaks are not a problem because vastes are sealed in glass and buried ,000 feet beneath the earth's surce. After 700 years they are no ore toxic than any known radiation

Embrey's Jewelry We Specialize In Aggie Rings.
Diamonds Set – Sizing — Reoxidizing -All types watch/jewelry Repair **Aggie Charge Accounts** 846-5816



BUD WARD VOLKSWAGEN INC. 693-3311



Friday's SCONA Energy Technology Panel presented three views on future energy sources. Left to right are Dr. Stephen Riter, who proposed simplistic solutions to the

energy crisis; Dr. Harlan Smith, who looks to the sun to supply the world's energy needs, and Dr. Linn Draper, who is a nuclear energy proponent.

damage due to leaks from nuclear can be constructed of lightweight

However, such damage would cause irreparable damage to a large body of land.

ness of space.

Smith said the solar collectors on earth would not block sunlight and

in this country have been used to build atomic weapons.

Harlan Smith called the sun a "super nuclear fusion plant," and said he believes that solar space stations are the only run, large-scale solutions to the energy crisis.

the suns's rays and send energy in the form of microwaves to collection oints on earth. Smith said he thinks they will provide substantial amounts of our energy within 40 to

Smith said every square inch of the sun has 10,000 times the amount of energy used in the world virtually an infinite supply. The sun they will be the driving force toward always shines in space, and the sta-tions could use the sun's energy frontier

"It's a question or where the stations would be structed in space by workers living in orbit around the earth. Smith said in orbit around the world be tration loses its nerve." The stations are infinite

materials because of the weightless-

earth would not block sunlight and Draper said that no nuclear plants the land beneath them could be

used for farming. 'All this may sound like science fiction, but we're not so far from it," Smith said. "We have the technology, we just need to develop it to reduce costs. The initial cost is estimated be-

Solar space stations would reflect the suns's rays and send energy in 2000 profits will outweigh costs. One thousand space stations would cover the world's needs, and

between 50 to 100, depending on the size, would be needed for the Smith said the solar space stations would add a "human constellation o the night sky. He said he thinks

making use of space - the "next "We'll find that space isn't the last frontier, but out birthright and a necessity to man's future.

"I'm concerned with getting the human race through the next 20 to 3071 Northwest Hwy 25 years," Smith said. "After that 352-8570 making weekly runs to 'park' 25 years,' Smith said. 'After that supplies in orbit unless the adminis-



EXOTICA ORCHIDS

Beautiful plants that will easily grow and bloom in your home.

> By appointment -**Blanche Guthrie** 846-8941



CHARISSA PACK joins "THE PRECISION HAIRCUTTERS"

> 209 E. University 846-4771 (In the George Green Bldg.)



facturer. & distributor. Exciting career opportunities available in • Store Operations Management • Warehousing/Trans-

Opportunities portation Management • Bakery/Dairy Management Good starting salary and rapid advancement. Benefits include: • Paid Relocation • Life & Medical Insurance • Credit Union • Free Use of Company Lodge • Paid Vacations •

Training programs offered in • Austin • Corpus Christi • San Antonio Training & Initial Assignment typically available in the same city. All Company locations are in Texas.

Ofofessionalism Dynamic, innovative, intelligent & progressive individuals with a strong desire to contribute to the organization & feel a sense of achievement.

development Programs are derapidly into responsible positions. Included are management seminars, on-the-job training, and continuing education See what you can do for you . . . Check with your Placement Center or contact us:

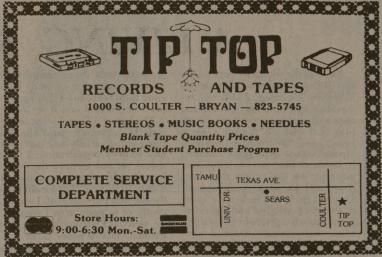
Corporate Staffing **H.E. Butt Grocery Company**

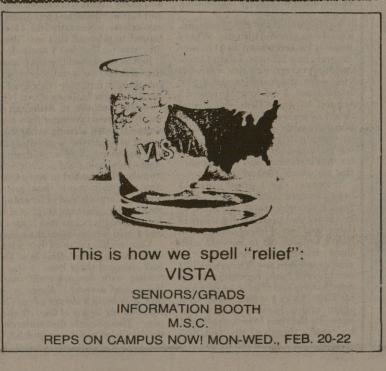
P.O. Box 9216, Corpus Christi, TX 78408 (512) 883-5288

Kpiscopal Student Center

902 Jersey (adjacent to southside of campus) 846-1726 Tuesdays, 5:30 p.m.: **Eucharist & Supper** Wednesdays 12 noon Bible Study Fridays, 6:30 a.m.: **Eucharist & Breakfast**

Sundays, 6:30 p.m.: Fellowship & Eucharist Fr. James Moore, Chaplain





How Evelyn Wood Reading Dynamics gives you a competitive edge in school.

School at any level means reading . . . lots of it. Keeping up with thousands of pages can take a heavy toll in time and energy, and grades. If you're typical, you read 150 to 350 words a minute. But how do you get ahead of the rest?

Evelyn Wood can triple your reading rate and improve your comprehension and study skills.

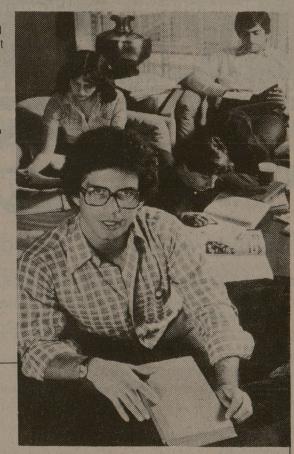
Hundreds of thousands of students use the Reading Dynamics Method. They find reading less of a chore. Concentration and retention improve, which can lead to better grades. A competitive edge is important . . . too important for you to delay.

Prove it to yourself today!

Whether you're thinking of grad school or the job market, or if you want to keep up with course reading today, let Evelyn Wood Reading Dynamics give you a competitive edge.

In fact Evelyn Wood guarantees that you will triple your reading rate if you follow the course correctly, or your full tuition refunded. That's our competitive edge.

Attend a free Evelyn Wood Mini-Lesson at:



SUNDAY-THURSDAY 5:30 & 8:00 P.M. **COLLEGE STATION AGGIELAND INN** 1502 S. Texas Ave.



Evelyn Wood Reading Dynamics. The Competitive Edge.