energy



Fuel plants to be marketed

United Press Internationa MONROE, La. - It could be the tus symbol that replaces the imming pool, the three-car garage d the videotape recorder.

For only \$1,000, two Monroe resints promise to build a complete sohol production plant in your Fred Huenefeld, a leader of the

ocratic Party in Louisiana, and en Tuck, a native of Dallas, said turday they will market nationrbor toward lawide the gasohol plants designed to outrage over the produce 200 to 400 gallons of alcohol

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The projections are not a dream, ick said. "Naturally, we plan to ight have to re ke money out of gasohol but that cial admitted. almost a byproduct with us, beord in the e use this is something that needs to our options o done in this country

Huenfeld and Tuck, who formed ree to let your vernment Banc Loans Inc. to er your choo and-see attitu hanges in ani Marlin, Texas. Tuck said three ts already have been built, but

uch as corn, sorghum and sugar

combined with nine parts of gasoline to make a mixture called gasohol, or vehicles could be converted to run

exclusively on alcohol fuel. Tuck said representatives of four foreign countries and 11 states will be on hand Friday when the gasohol project is explained on the front lawn of the Monroe Civic Center. A gaso-

cane - into alcohol. The alcohol is is produced to prove the process works Tuck said the Texas manufacturing

company, headed by Delaney Sprinkles of Marlin, also was looking into producing smaller units that

would begin in the South and then hol plant will be set up and Tuck will drive a motorcycle from the fuel that spread to the Midwest, where there are huge supplies of grain products. spread to the Midwest, where there

would make between 10 and 20 gallons of alcohol per week. He said the marketing effort

alling now, best Tuck said the plan, which will be now in Afghass uveiled next Friday at a news conrelease the tensivate capital and represents an buy gasohol with credit cards

> **United Press International** HOUSTON - The Exxon Corp. announced Saturday it reluctantly would allow its credit cards to be used in the purchase of gasohol at Exxon stations.

The announcement was a departure from policies adopted by several two built by Marlin Car Care Comother oil industry leaders which have said they would not allow credit card purchases of gasohol.

hope to sell 200. The company said it was allowing the plant consists of a gasohol the use of its credit cards for gasohol ler that transforms grain products to end a controversy over whether credit cards should be used.

ANIMAL WORLD TOO

hol is whether the fuel supplement yields more energy than it takes to produce and, as such, whether it can make a positive contribution in reducing America's oil imports," an Exxon statement said.

'The real issue in the role of gaso-

The statement said its own experiment showed the process of making gasohol used more energy than it ultimately produced.

Exxon has refused to allow its customers to use Exxon credit cards for the purchases of anything but Exxon brand products

Gasohol to be made from grain that was to go to Soviets?

United Press International WEST LAFAYETTE, Ind. — The for demonstration only. A producfederal government is about to pump millions of dollars into speeded-up research on how to make alcohol fuel from the grain America isn't selling to the Soviet Union.

Though no promise was made, Dr. George Tsao, director of Purdue University's Renewable Resource Engineering Laboratory, said the offer of money seemed apparent in a recent telephone conversation with Energy Department officials.

He said someone from the department's Energy Conservation Division telephoned during the week and asked him for more information and a firm budget for speeding up his work on alcohol production.

Tsao said they wanted him to cut in half the time needed to complete his work on how to produce alcohol from corn without the troublesome residue the liquor industry now has to cope with.

Tsao has been working on the problem with support from Purdue and the Energy Department. A few months ago he told the Energy Department he might soon be ready to start a demonstration project, which would that two years and more than

\$1 million. He said he could do the work to nine to 12 months from the time the contract starts but it will cost about

He stressed the project would be

\$1.8 million.

tion plant capable of turning one mil-lion tons of grain into 100 million gallons of alcohol a year could cost \$150 million to \$200 million, he said. Grain alcohol now is made with whole grain, which leaves behind a residue known as dried distillers the germ, which contains the oil. solids, or DDS, DDS is full of protein and could be fed to animals but its liquid form makes it expensive to

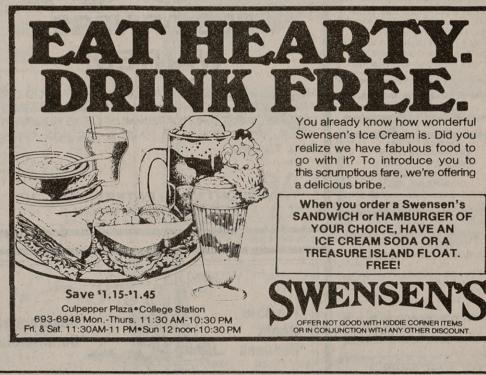
ship. Tsao said it would be simpler to separate oil and protein before making alcohol out of the starch and fiber remaining in the kernel. He uses the traditional grain milling process to separate the hull, with its fiber, from

remove the protein, which can be used for animal food, and the fiber

and starch are left for alcohol produc-

tion. Previously you could only make alcohol from starch. We now have a different kind of a mold culture which can consume fiber as well as starch and make thanol," Tsao said. He said this means 85 percent of the kernel instead of the previous 65

the kernel, instead of the previous 65 percent, potentially could be used to make alcohol.





Then solvent extraction is used to

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Students who want to add long distance calling privileges to their room should sign up at our desk in the Lobby of the Memorial Student Center, Tuesday, January 15 through Friday, January 18 from 9 a.m. until 4 p.m.

You should check with our desk if:

- You want long distance service and did not sign up last semester.
- 2 You are moving from a room where you had long distance service and have not notified our business office. (Remember, if unchanged, you are still responsible for long distance calls made from your telephone.)
- 3 You have any questions regarding long distance service.

No deposits are required for new signups unless past paying habits warrant a deposit. Students who signed up for toll service last semester will continue to have long distance privileges, provided you did not cancel your service last semester.

