

Sodexho waste could be fuel

BY JESSICA RAPP
Assistant Features Editor

This spring, Truman will switch gears and use biodiesel to fuel its engines.

Biodiesel is an environmentally friendly alternative to fuel. Truman's chapter of Student Affiliates of the American Chemical Society started mapping out plans that will allow the University to produce biodiesel to fuel golf carts, tractors and other diesel-friendly vehicles on campus.

Junior Josh Hirner, president of ACS, said that switching Truman's diesel vehicles to biodiesel could both save the University money and help the environment.

"Biodiesel can be used in engines without modification," Hirner said. "Studies show that different pollutants are reduced — sulfur dioxide goes down, carbon monoxide is reduced and, my favorite one, it eliminates black clouds [soot emissions]."

Hirner said black clouds are called polycyclic aromatic hydrocarbons, which researchers suspect cause cancer.

Senior Drew Olson, the coordinator for the agriculture science part of the project, said the most important factor ACS is looking at right now has to do with sustainability.

"We're making the University sustainable by utilizing a resource that they throw away and using it as an asset to us," Olson said. "We get more out of it than what we put into it."

The idea was influenced by a capstone project done last year by senior Laura Farkas.

Farkas did an analysis on how much the project would save the University based on 2006 gas prices. Hirner and Olson explained to faculty and staff in a presentation, that the college would save almost \$4,000 if the project started last year, but the numbers should rise with the increasing price of fuel.

Biodiesel is produced from vegetable oil. Hirner said that in a process called transesterification, the fatty acids in vegetable oil are neutralized or eliminated for added sodium hydroxide to react with added alcohol. The chemistry of acids and bases allows fuel to be made from the University's kitchen grease, she said.

Barbara Kramer, associate professor of chemistry and advis-

er for this project, said ACS would have to look into whether it could legally use the school's vegetable oil for itself. Sodexho, Truman's food service company, will need to have the contract to keep the vegetable waste because in some cases, other companies will buy the waste from food service, she said. ACS also is looking into acquiring vegetable oil waste from businesses in town, she said.

Kramer said ACS plans to produce biodiesel on a small scale first. She said she oversees test labs where ACS already has begun to produce it in millimeter amounts. In the near future, once ACS figures out the correct proportions, they will be able to make biodiesel in a bucket. Senior students directly related in the agricultural side of the biodiesel production have adopted this for their senior projects.

"I really am amazed by the enthusiasm the students have for this," Kramer said. "I really like to see the students doing something that helps the school, helps the environment and brings together different groups on campus."


Other universities across the U.S. already have started similar projects to make biodiesel. Kramer said people can make biodiesel at home, and some engines can even be converted to run on pure vegetable oil.

"If it works, it'll be amazing," Kramer said. "It'll take a lot of work."



Jason Williams/Index
Physical plant carts such as these might soon be powered by vegetable waste obtained from Sodexho friers.

For more information about **renewable energy,** check out the **Ozark Renewable Energy and Sustainable Living Expo.**



Sept. 22-23 at Les Bourgeois Winery, located 10 miles west of Columbia
Design by Jessica Rapp/Index

Career Center helps students prepare for future

BY JACKIE GONZALEZ
Index Staff

Whether it's a summer internship, a job post-graduation or even a major to obtain a degree in, the Career Center on campus is here to help.

"We are a comprehensive Career Center that works with students from the beginning stages of deciding a major to building a résumé in their later semesters," said Dave Kincaid, assistant director of the career center.

This week the Career Center hosted Graduate School Week, which is dedicated to aiding students with all graduate school-related decisions. The week concludes tonight with a session on graduate school options hosted by nationally-recognized author Donald Asher.

Kincaid said the center offers career and interest testing for a small fee, in addition to information on what students can do with their majors. He said it also can help students locate internships in

their field of interest.

Although the center has a variety of services, Kincaid said there are only a few that get the attention they deserve.

"Helping with cover letters and résumés is our most requested service," he said.

Trained student assistants are at the center during most of its operating hours to handle critiques, with no appointment necessary, Kincaid said. The student workers are trained to help students start their resumes and to provide helpful tips to enhance them, he said.

"We don't write the résumés for folks," Kincaid said. "But we have enough samples that we feel confident that we can get students started comfortably."

Kincaid said the center also can help students prepare their personal statements and other application-based essays by scheduling a one-on-one appointment. Test preparation books for exams such as the MCAT and GRE also are available for three-day rental periods with a student ID.



Jason Williams/Index
Graduate student Elizabeth Bauer, left, mock interviews senior Sydney Moore on Tuesday.

Career on the Quad is a new event hosted by the center and run by student intern Becky Hadley. This event will take place Oct. 3 and will have résumé critiques on the quad in addition to other career-oriented sessions.

The primary goal of this work-

shop is to prepare individuals for the Career Fair on Oct. 10, Kincaid said.

The fair will be from 1 p.m. to 5 p.m. in the Student Union Building. Kincaid said the career fairs are popular events for students to attend.

Etiquette dinners are another popular event the center offers, he said. For a small fee, he said, students can gain hands-on experience on how to behave at dinners with potential employers.

Kincaid said mock interviews also are a complimentary

service provided at the center where trained student workers conduct and critique students' interviewing abilities in an effort to familiarize students with the interviewing process when seeking jobs in the future. SCORE is another interview service that has retired executives instead of student workers conduct interviews, he said.

Sophomore Libby Piel, a first-year Career Center employee, helps critique résumés and find part-time jobs for students.

"I think [the center] is a really under-used service, and a lot of people are intimidated about coming in here, but once they do they realize what a great asset it is and keep coming back," she said.

Sophomore Jackie McAndrew said she has used the Career Center numerous times and that she appreciates the services offered.

"I think that I got a lot out of going [to the center]," she said. "And I know I can go there if I ever need help with grad school stuff, too."

Truman State University **2007**
international film Festival

Wednesdays, Sept. 19 – Nov. 14
Downtown Cinema 8
7pm
Free to the Truman Community

9/19	La Moustache (<i>The Moustache</i>)* from France, 2005
9/26	Indigenes (<i>Day Of Glory</i>) from France*, Algeria, Belgium, 2006
10/3	Das Leben der Anderen (<i>Lives of Others</i>) from Germany, 2006
10/10	Daratt * from France, Chad, Belgium, Austria, 2006
10/24	Volver from Spain, 2006
10/31	Le Temps Qui Reste (<i>Time to Leave</i>)* from France, 2005
11/7	Qian li zou dan qi (<i>Riding Alone for Thousands of Miles</i>) from Hong Kong, China, Japan, 2006
11/14	Coeurs (<i>Private Fears in Public Places</i>)* from France, Italy, 2006

*Presented as part of The Tournées Festival. The Tournées Festival was made possible with the support of the Cultural Services of the French Embassy and the French Ministry of Culture (CNC). Sponsors of The Tournées Festival include: The Florence Gould Foundation, the Grand Marnier Foundation, highbrow entertainment, agnès b. and the Franco-American Cultural Fund.
Sponsors include:
The Office of the Provost • The School of Health Sciences and Education • The College of Arts and Sciences • The Residential College Program

For film summaries go to:
rcp.truman.edu/internationalfilm.htm

You've Got News

Get The Index in your Inbox.

Register now on our website and automatically receive an Email Edition of the paper with every new issue.

Headline News • College Sports • Campus Calendar
Local Weather • Daily Horoscope

It's the best way to stay informed... and it's free.

www.trumanindex.com