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Thinking Pink
OSU women to host Stanford in Think Pink game to raise breast cancer awareness

SPORTS, PAGE 8

Grilling away hunger

GARETT KOPP / THE DAILY BAROMETER

Members of the Feel Good organization (from left to right) Carson Bee, John Pham, Peter Pham, Jimmy Nguyen and Alfonso Jimenez give out free grilled cheese sandwiches in the MU Quad to raise funds and awareness for the Hunger Project.

■ With 854 million people going hungry worldwide, OSU students aim to raise awareness for cause

By Regi Seitz
THE DAILY BAROMETER

Ending world hunger is only a grilled cheese and one small contribution away.

Yesterday, the OSU chapter of the national non-profit organization Feel Good camped out in the MU Quad and offered students an alternative way to get involved and contribute to ending world hunger.

The student organization is raising awareness for world hunger by giving out grilled cheese sandwiches in exchange for a voluntary donation.

"We want whatever anyone wants to give, whether it's a dollar or twenty," said John Pham, a sophomore in biology.

For the students participating in the Feel Good event, a grilled cheese is more than just a sandwich. It's an avenue to educate, inspire and rally ordinary people.

"I just feel we have a responsibility to help because we have the resources," said Carson Bee, a junior in biology.

Over 854 million people across the world are going hungry according to the United Nations Development Program.

A shortage of food isn't the reason why some people are suffering from chronic, unrelenting hunger.

There is more than enough food for everyone, but starvation and poverty are the symptoms of underlying social conditions that are denying people the power to end their own hunger.

According to the Feel Good website, people have

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Fruits of Innovation Center's labor

■ OSU develops laser fruit labeling system to replace current practices for produce

By Katy Weaver
THE DAILY BAROMETER

Oregon State is on a race to stop stickers. Not the ones found on bumpers — the pesky ones that get in the way as you bite into a piece of fruit.

The OSU Food Innovation Center in Portland is currently working to develop a new laser technology that permanently tattoos produce, eliminating the need for costly stickers that are a hassle at all stages in the manufacturing process.

"We are looking to use this method to replace the current practices," said Qingyue Ling, a senior development engineer at the FIC and assistant professor of senior research at OSU.

"Most fresh foods have a sticker on them that puts glue on the surface of the food. Sometimes it is irritating and difficult to peel off. The laser allows you not to use this. It is very fast, accurate, and there is no direct contact so there are no possibilities for contamination."

Grocery stores would find this technology particularly useful

"Produce stickers stick to everything," said an employee at a local grocery store.

"They fall off onto the tables, and they are really hard to keep clean. I'm sure [the technology] would make things much less of a hassle."

CONTRIBUTED PHOTO

A peach at the OSU Food Innovation Center displays the results of laser labeling.

According to Ling, the laser is also advantageous because it is easy to program.

Unlike stickers, which must be printed, the laser technology is flexible. Almost anything can be tattooed onto the fruit — words, numbers or even graphics. The flexibility of the technology would allow it to be used for several different commercial functions.

"One thing you can do is put product information on [produce]," Ling said.

"On the stickers there is a number where at the check-out you punch it in to get price information."

"Another use is branding. If the fruit is from a particular region, you can brand it, saying for example it is an Oregon strawberry," Ling said.

"Similarly you can put manufacturing information on the fruit as well. Finally you can add a special saying for special occasions, such a banana that says 'Happy Mother's Day.' This adds special value that people are willing to pay for."

Despite the benefits however, the technology isn't being used commercially yet.

There is still research that needs to be completed before people will see tattooed fruit at their grocery stores.

"The challenge of the laser is that the high energy beam generates very high intensity heat on the surface of the fruit," Ling said. "Whatever it touches burns."

"We are carrying out research trying to minimize this impact on the fruit. Burning the skin opens it up to microbial infections because skin provides natural protection to the fruit. In this area we are studying different methods to quickly reseal the skin but still leave a very clear vivid text or picture on the fruit. It also has to be cost effective though."

The FIC is not the only organization working on this technology at the moment — OSU has competition.

The laser machine is an existing machine, and there is nothing unique about it. Currently, people are realizing that there are new applications for the laser all over the food industry.

"A lot of people are looking to this," Ling said. "But OSU is the first institution that is systematically exploring various possible applications in food processing using laser technology."

Katy Weaver, senior reporter
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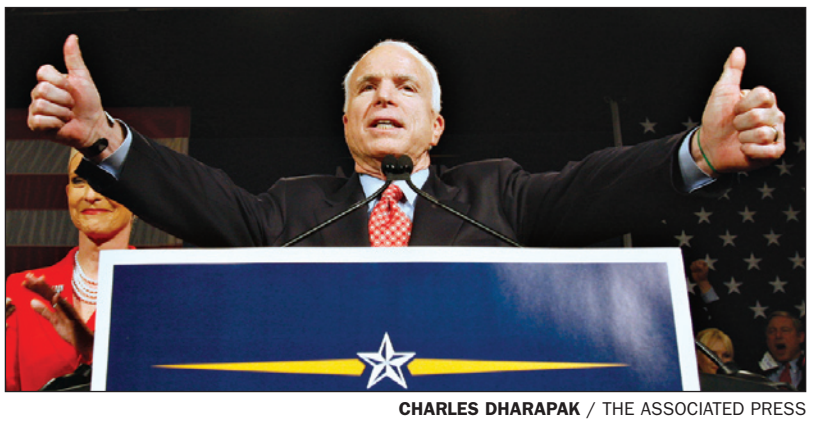
ELECTION 2008: Super Tuesday! Full story inside

Delegates state-by-state	Hillary Clinton	Mike Gravel	Barack Obama	Mike Huckabee	John McCain	Ron Paul	Mitt Romney
Alabama	2	0	1	0	0	0	0
Alaska	1	0	1	0	0	0	0
American Samoa	4	0	2				
Arizona	3	0	2	0	53	0	0
Arkansas	12	0	0	22	0	0	0
California	22	0	12	0	11	0	0
Colorado	4	0	2	0	0	0	0
Connecticut	22	0	27	0	27	0	0
Delaware	2	0	0	0	18	0	0
Georgia	17	0	27	33	0	0	0
Idaho	0	0	2				
Illinois	0	0	36	0	1	0	1
Kansas	6	0	17				
Massachusetts	14	0	10	0	17	0	22
Minnesota	3	0	3	0	0	0	2
Missouri	0	0	0	0	58	0	0
Montana				0	0	0	0
New Jersey	43	0	0	0	52	0	0
New Mexico	4	0	1				
New York	59	0	12	0	101	0	0
North Dakota	0	0	4	0	1	0	0
Oklahoma	4	0	0	6	29	0	0
Tennessee	7	0	1	0	1	0	0
Utah	2	0	0	0	0	0	36
West Virginia				18	0	0	1
Previous states	57	0	70	26	96	6	86
TOTAL	**371**	**0**	**306**	**105**	**475**	**6**	**151**
Needed to win			2,025			1,191	

Results as of 10 p.m.; information from CNN.com

JULIE JACOBSON / THE ASSOCIATED PRESS

Democratic presidential hopeful Sen. Hillary Rodham Clinton D-N.Y., acknowledges applause from supporters Tuesday.



CHARLES DHARAPAK / THE ASSOCIATED PRESS

Republican presidential hopeful Sen. John McCain, R-Ariz., celebrates at his Super Tuesday primary election night party in Phoenix, Ariz., Tuesday.