

Men's and women's  
track teams  
win Pepsi Invit.  
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# Oregon Daily Emerald

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## Unidentified attacker tries to murder woman on bicycle path in park

By Will Holbert  
Of the Emerald

An unidentified male bicyclist attacked a 24-year-old Eugene woman on the bicycle path near Alton Baker Park on Friday morning, according to the Eugene Police Department.

Police said the attacker jumped off his bicycle, beat the woman and tried to strangle her. The woman suffered a broken jaw and nose from the attack.

Police are investigating the incident as a case of attempted murder.

Police described the attacker as a white male in his early 20s with blond hair and a mustache, and a muscular build.

The attacker was about 5 feet 10 inches tall and weighed 170 pounds, according to the police description.

He was seen riding a red 10-speed bicycle with silver pinstripes.

Another incident took place Saturday on the bike path on the north side of the Willamette River, about 150 yards from KSND radio station located at 1330 Day Island Road.

According to police, a woman jogger told two people sitting along the river that a man "jumped out" at her.

Police responded, but the woman had left, and police were left with a second-hand report of the incident.

Lt. Jan Clements of EPD said Sunday that as far as he knows there have been no new developments in the investigation.

"This is pretty unusual for the bike path itself," said EPD Sgt. Chuck Tilby.

Tilby said he couldn't elaborate on the current investigation. He recommended that women ride and jog in groups.

## Student election Measure 5 backers march in support of playing fields

By Sarah Kitchen  
Of the Emerald

A sudden burst of rain didn't stop 30 people from marching Friday afternoon to save a playing field along the Willamette River.

The marchers, members of the "Save Southbank Riverside Field" coalition, oppose building part of the Riverfront Research Park on the site of the field.

The coalition supports Ballot Measure 5 on the ASUO elections ballot, an advisory measure that would recommend preserving the field.

Students will vote on the measure in the ASUO general elections Wednesday and Thursday.

"The main purpose of the march and the ballot measure is to educate and inform the students about the riverside," said law student Dan Stotter, who initiated the measure. "Many people are just learning about the whole riverside issue from this ballot measure," he said.

The Riverfront Research Park is a joint venture between the University and the City of Eugene to develop a University-related research park on the state-owned 71-acre site on the south bank of the Willamette River.

According to the ballot measure, the playing field, which is adjacent



Photo by Bobbie Lo

Marching despite a downpour, Ballot Measure 5 supporters want to deter the Riverfront Research Park.

to the Autzen Stadium Footbridge, is an "irreplaceable" resource. It provides beauty and a place for recreation and instruction, the measure says.

However, the existence of the field is jeopardized by plans for the research park, and these plans also threaten nearby jogging trails, Stotter said.

"One of the primary purposes of

the University is to serve the needs of the students, so it should serve their needs," Stotter said. He believes the field is one such need.

University administrators have discussed the field in several meetings on land use, said Dan Williams, vice president for administration.

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## Light helps computers speed up information

By Sean Nelson  
Of the Emerald

In the past few decades, the advent of more sophisticated communications technology has made the world seem smaller.

Satellites now beam information to the earth in a fraction of the time it would take for an earthbound radio transmitter to do so.

But scientists still search for technology to increase the speed of these transmissions, thereby promoting even faster communications with the world around them.

Scientists from the University Physics Department, as well as other university science departments around the nation, are conducting research to determine how specific properties of light affect the speed with which computer chips transfer information.

Called the "persistent photo-conductivity effect," this trait speeds up information transfer when a computer chip is exposed to white light and slows the process down when the chip is exposed to infrared light.

University scientists are also discovering ways to layer computer chips to serve desired functions for future programmers through a process called molecular beam epitaxy.

Molecular beam epitaxy is the process of layering computer chips to create structures with sharp interfaces. An interface occurs when a scientist stops growth of one chemical substance to begin growth of a different substance.

According to Professor Richard Higgins of the University Physics Department, the department receives a research grant of \$150,000 a year for the ongoing project which he administers.

Molecular beam epitaxy "was first developed by John Arthur and co-workers at Bell Laboratories," said Kevin Martin, a research associate to Higgins.

The process is also being used at Oregon State University, and "virtually every major university in the U.S.," Martin said. Arthur is now a professor at Oregon State University, he said.

Also assisting Higgins in the project are LiXiong He, Joe Nabity, Dave Miller, Frank Shaffer and Jerome Rascol, all graduate students in physics.

Martin explained the electricity conducted through a microchip goes by way of conducting poles through the inter-

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## Cultural wonders

Sunu Sivadasan performs "The Dance of Shiva," a classical Indian dance based on the Bharata Natyam style, in the two-hour grande finale of International Week. An audience of about 600 watched the show in the EMU Ballroom. About 60 foreign students from around the world performed.

Photo by Shu-Shing Chen