

# Equestrian

Continued from Page 1

The team is supported by Club Sports and funded partially through the University. Much of its funding comes from fund raising and donations, Robinson said.

Receiving the donations and the funding helps the team compete and travel, but in such an individual sport, caring for a horse, paying for lessons and buying the needed gear adds up for each rider, Franklin said.

In the English style of riding, a helmet, an undershirt, britches and tall boots may all add up to thousands of dollars, Franklin said. In the Western style, the usual cowboy attire is needed to complete the show.

"It's nice to be on a team because if you don't have the stuff you need, there's usually someone else on the team you can borrow it from," Franklin said.

To keep the team's expenses down and because the University doesn't own its own horses or barn, the team has established affiliations with a few barns that

teach English and Western riding in the Eugene-Springfield area. The team's "home" barn is at Day Star Farms in Pleasant Hill, where their trainer gives lessons on how to ride in the different styles.

"Many of the members come out and practice there, but there are a few that have their own trainers at other barns," Robinson said.

The love for riding is seen in the arena and in the way riders relate to the horses, said Lori Forge, a Day Star Farms trainer.

"The ones that rise to a really top level are the ones that have a real love for horses," she said.

The same love keeps students involved in the team itself, Robinson said.

"There are people who join because they just want to ride, so I affiliate them with a barn," she said. "There are others that join because they're just in to win, but they don't last long. True horse lovers just keep on riding. They know they want to keep riding. They got to ride — it's such an integral part of their lives."



Equestrian team co-coordinator Megan Robinson and a horse jump an obstacle during a competition last spring.

Courtesy photo

## Student teams test their brains in College Bowl competition

The four teams that place the highest will go on to the finals on Thursday

By James Scripps  
Oregon Daily Emerald

Do you know how many steps lead up to the Lincoln memorial?

Maybe you know what that red dot on Jupiter is called.

To most of us these questions only matter when you are watching Jeopardy or playing Trivial Pursuit, but for 24 student teams competing in the College Bowl, these are the types of questions that mean the difference between advancing to the next round or going home early.

The College Bowl, a collegiate tournament that hails from as far back as the 1950s, pits four-member teams against each other in a game-show format. Teams listen to trivia questions read by moderators and have to buzz in and give the correct response to win points.

The number of participants in this year's competition is better

than in years past, College Bowl coordinator Laura Wallace said. "This is the fourth year that I have been involved with the competition, and this first time that I have seen all 24 team slots filled. This year we hope to have 10 teams in the regional competition."

Out of 24 teams, four advanced to the College Bowl campus finals, which will be held Thursday in the EMU Ballroom. The winning team will represent the University in the regional tournament, hosted by the University on Feb. 19-20 of next year.

Depending on how the team performs in February, they may have the opportunity to advance to the finals, which will be held at the University of Florida in April. The last time a University team advanced that far was in 1993.

After her team's first-round victory, ASUO senator Selena Brewington, a member of "The Grrrls," was brimming with excitement. "If I win a trophy, I'm giving it to my mom," she said.

The tournament's format favors competitors who are able to think

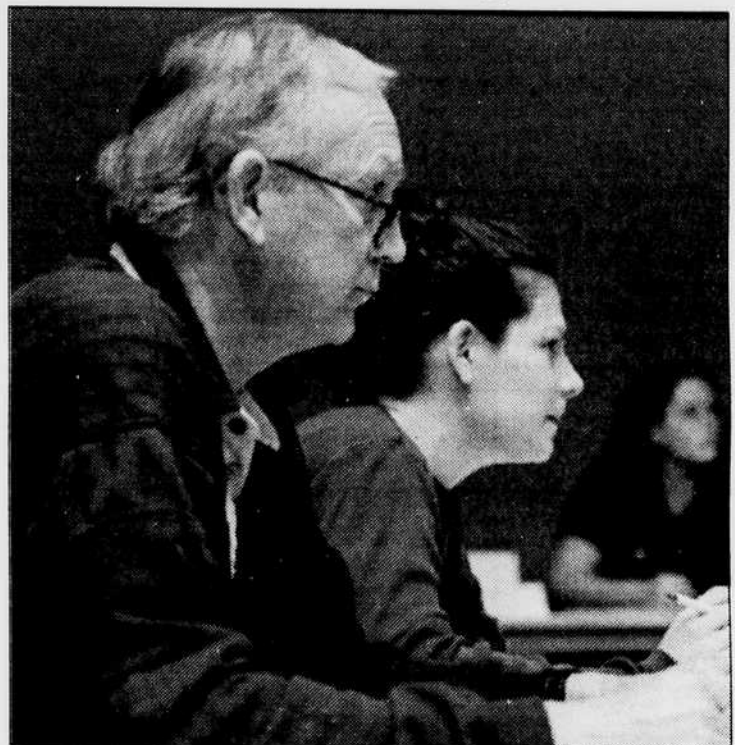
quickly.

A moderator reads a question to both teams. The team member who buzzes in first answers that question and, if the question is answered correctly, the team is given a bonus question. If a team member answers the first question incorrectly, the bonus question goes to the other team. Each correctly answered question adds to the team's point total.

Business student Willie Bronshvag, a member of team Pi Kapp (Pi Kappa Phi), reeled from a first-round loss. "We got beaten pretty bad, something like 170 to 5," he said. "It seems like something more for the history, English and science majors. But I like the free T-shirt. It'll push laundry back a day."

The College Bowl is held each year and is sponsored locally by the EMU, the Athletic Department and Coke.

"It has always been really big on the East Coast, but this year has been bigger than usual for us," Wallace said. "We are pretty excited that students are getting involved."



Competition was stiff at the first round of this year's College Bowl.

Laura Goss Emerald

## OSU anti-gravity research could help Mars astronauts in the future

The Associated Press

CORVALLIS — Gravity's still the law around these parts, but standing in chest waders with the nozzle of an industrial vacuum cleaner stuffed down his back, Tyson Harty felt light on his feet.

The Oregon State University graduate student was demonstrating the latest in anti-gravity wear: Mars pants.

The space slacks, developed by OSU researchers, will help astronauts learn to walk in the low gravity they'll face on Mars.

Researchers created the trousers at the NASA Ames Research Center in California, where scientists have been studying how to send humans to Mars in 2011.

One of the challenges is helping astronauts walk while feeling 38 percent of the Earth's gravity. The space explorers will feel lighter, and scientists suspect they'll

have difficulty balancing themselves, walking and even grasping objects.

"Their issues are, 'What do I do when I step out of the spaceship and I'm on this different world?'" said Gene Korienek, director of the Biological Control Lab in OSU's College of Health and Human Performance and who is overseeing the project.

The invention could also help accident or stroke victims who need therapy but can't support their weight.

OSU scientists will use the waders to find out how Martian gravity affects the astronauts' balance.

Moon astronauts encountered gravity that is about 16 percent of Earth's, but they left after only a few hours.

Mars astronauts will have to endure low gravity for a much longer time because the planet is about 47 million miles from Earth

at its closest point.

The astronauts will land on Mars at its closest point in orbit and will have to wait 500 days until the two planets are that close again to leave.

The pants simulate Martian gravity with air pressure. Air from a vacuum is forced into the pants, which are sealed at the waist. The air puts pressure on the lower part of the body and pushes the center of gravity up.

"We're creating a high-pressure envelope from the waist down," Korienek said.

The Mars pants are still in the prototype stage.

The pants reduce the ground reaction force, or the pressure of the person on the ground, by about 20 pounds by supporting part of the body weight on a high-pressure cushion of air.

Korienek said that while the pants don't bring on an actual weight loss, a person would register 20 pounds less if he or she stood on a scale.

Scientists hope to develop a mobile model within the next two months, perhaps with a backpack air compressor.

Besides the pants, OSU scientists also have been experimenting with robotic arms.

By simulating human limbs, researchers are hoping to develop arms for amputees. By using a series of computer chips, designers hope the arms can make precise movements such as picking up a cup of coffee or switching a remote control. The same technology could be used on the space shuttle to create a new arm that would make precise movements to help construct the international space station.

## Yugoslav government takes over radio stations, confiscates newspapers

The Associated Press

BELGRADE, Yugoslavia — In an ongoing purge of Serbia's independent media, the government Tuesday took control of a popular radio station, and police impounded all 100,000 copies of a leading daily newspaper.

Radio Index, a student-run Bel-

grade station, was first shut down last month for allegedly broadcasting without a license. On Tuesday, the Belgrade university board, complying with government demands, announced it was replacing the station's team of editors, B-92 radio reported.

The station's editor in chief,

Nenad Cekic, who already faces criminal charges, protested the board's decision, and Radio Index later issued a statement rejecting it. Cekic said the state-run body had given up any editorial control over the radio a long time ago.

Earlier, police raided the headquarters of the Dnevni Telegraf

(Daily Telegraph) and confiscated its Tuesday edition. The action came after the daily failed to pay a fine of \$120,000 to the state for allegedly breaching a restrictive media law.

Despite the crackdown, the owner of Dnevni Telegraf vowed to keep publishing.

The moves against the two media outlets, both known for their criticism of President Slobodan Milosevic's autocratic regime, are the latest in a series of crackdowns against Serbia's fledgling independent media following the adoption of the restrictive international space station.