

Question of the Week

"What are you dressing up as for Halloween?"

"I'm going to be a cowboy, because I have a cowboy hat and boots."
Mike Shaffer
07 Chem

"Silly."
Pete Wisniewski
07 Math

"Probably a bum, just something that wouldn't be hard to put together."
Chad Sutton
08 BManag

"I'm going to dress up like a drunken bum."
Diamond Dave Cardone
05 PoliSci

"Waldo from *Where's Waldo*. I want everyone to be looking for me."
Greg Billman
05 ME

"A group of friends and I are going as characters from the *Wizard of Oz*. I'll be the Cowardly Lion."
Sheila "At the Bat" Bickel
Entertainment Editor

"I'm going as the Phantom of the Opera because I can still fit in my pants from high school."
Eric "Jen & Danielle's Pet Peeve" Krouse
Collegian Fashion Consultant

"I'm going as a working girl. You figure out why."
Doreen "Who's the vice-president?" Foutz
News Editor

"I guess that I'm going as a homicidal maniac so that I don't have dress up."
Matt "Macdaddy" Plizga
Sports Editor

"I'm going as Braveheart so I can scream 'FREEDOM (of the press)!'"
Jennifer "I'm the boss" Colvin
Editor in Chief

"I'm going as Wonder Woman. I really love that outfit."
Danielle "No, I'm the Boss" Murphy
Editor in Chief



Photo courtesy of John Fontecchio
Parents and General Electric made it possible for children to smile again. The Child Care center at Penn State Erie, The Behrend College, now includes a new playground. The funds for the playground were provided by the Erie chapter of GE's Elfun Society and the Center's Parent Teacher Organization. Construction of the playground was a cooperative effort between parents and volunteers working on behalf of GE and Harborcreek Youth Services.

Happy Halloween from The Collegian!

NASA launches PSU project

By KELLY RUOFF
Collegian Staff Writer
University Park, PA

For the past six years, David Burrows has spent most of his time working on a project he will never see again - a satellite scheduled to take-off yesterday from a NASA facility in Wallops Island, Va.

Among the stars, meteorites and solar flares, this same satellite will feed information back to Earth during the next three years.

Burrows, associate professor of astronomy and astrophysics (a University Park), headed the 12-person team that constructed Cosmic Unresolved X-ray Background Instrument using CCDs (CUBIC), a satellite observatory. CCDs are small chips that detect photons of light, similar to what is used in cameras.

The satellite consists of four parts, each constructed in different parts of the world. CUBIC, constructed in the Davey Lab, is designed to measure the spectrum of X-rays reaching the Earth.

Construction on CUBIC, which weighs about 70 pounds and is about 1 foot long, 1 foot wide and 2 feet high, began in 1992 and completed last year.

It was then shipped to Argentina where the remaining three parts were assembled together.

The satellite has been in Brazil for several months, where finishing touches were made.

"This was truly an international project," said Burrows, who will be studying the data in Argentina for several months. "It was an unusual opportunity because this satellite was hard to get funding for."

NASA constructed one of the parts, while an Italian group and a group from Argentina built the last two segments. These other parts will measure solar flares, gamma ray bursts and energetic neutral atoms. The satellite will stay in orbit for about five years before it re-enters the atmosphere and will never be retrieved, Burrows said.

Astronomy graduate student Catherine Grant, who will be joining Burrows in Argentina in several weeks, worked on the software that will read the information sent back to Earth and test for the instrument's response to space life.

"It was a one of a kind opportunity for a graduate student from its inception, to it's launch and beyond that," she said. "What makes CUBIC so special is that in X-ray astronomy, things have been becoming more focused in the past 20 years, but CUBIC can take a color picture which can measure different energies."

The project originally had a much different destination,

Burrows said.

In 1993, the University began working on a similar instrument to be used on a space shuttle mission, he said.

But with the crash of the Challenger space shuttle in 1986, all NASA projects were put on hold. When shuttles started flying again in 1989, the satellite opportunity turned up.

The team of scientists working on the shuttle mission was able to transfer some of their work, but began the new satellite project in 1990.

"If it would have gone on, the shuttle we would have had only

two to three days worth of data," Burrows said, "but on the satellite we'll have three years worth."

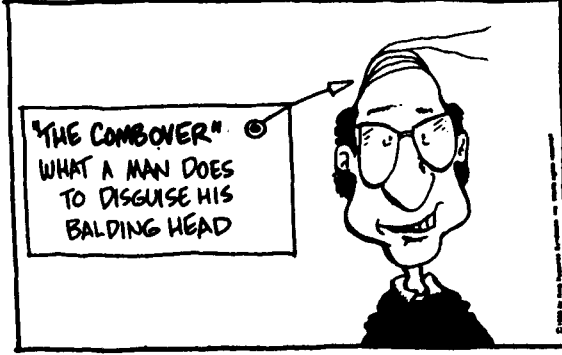
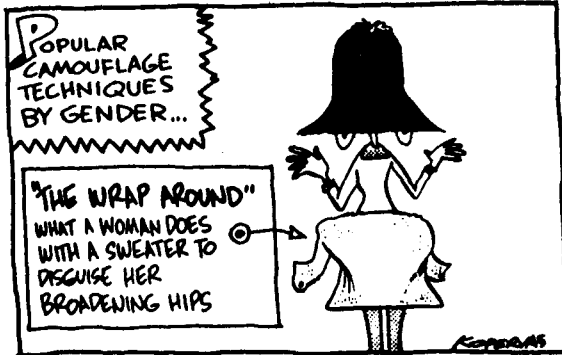
The satellite take-off was scheduled for 12:09 p.m. yesterday, where it was to be launched from an airplane about 40,000 feet over the Atlantic Ocean.

"This is a bit of a risky business," he said.

"You always have the chance that something will break once it leaves the launch pad. Hopefully everything will work."

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OUT ON A LIMB by GARY KOPERVAS



CAREER DEVELOPMENT CENTER NEWS

UPCOMING EVENTS
Erie College Career Cooperative Career/Job Fair
Mercyhurst College, November 7, 1996 1:00-4:00 p.m.
Additional Information at the Career Development Center

How to Prepare for A Career Fair Workshop, Read 3, Nov. 4, 7pm

UPCOMING RECRUITERS
USX Co-op Program MIS, Com Sci, EE, ME soph., Juniors only
Wed. Nov. 6. Required Registration in the Career Development Center

Xerox
Fisher Price
Geon Company
U.S. Precision Lens
Northwestern Mutual

PLET
PLET
PLET
ME, MET, PLET
All Business

Deadline: Nov. 4
Deadline: Nov. 4
Deadline: Nov. 5
Deadline: Nov. 6
Deadline: Nov. 18

UNIVERSITY PARK NEWS
Visit the Career Development and Placement Services at <http://www.psu.edu/cdpe/> for a listing of all services, recruiters and programs scheduled for University Park.

THERE'S NO EXCUSE
for Domestic Violence.

Police and Safety Report

Oct. 27: Police and Safety officers discovered that someone had broken the glass in the entrance door to Lawrence Hall.

SUBWAY

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