

Eastern Illinois University

The FPM Planit

Eastern Students Assist FPM in a Unique Way

Special points of interest:

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Just imagine 30 years or more from now, a proud grandfather walks into Old Main, with a grandchild in tow. Beaming from ear to ear, he walks over to the enclosure at the east stairwell on the first floor. Pointing to various pieces of trim work, the grandfather tells the child about being a part of the construction of this beautiful stairwell enclosure. Was this grandfather an Eastern employee? Not in this particular scenario. This man is an Eastern graduate, many years before, from the School of Technology!



Students in Dr. David Melton's CNC class have had the unique opportunity to be a part of Old Main's history. Upon discovering that it was nearly impossible to find a local woodworking firm, that could replicate Old Main's intricate moldings, Facilities learned of the possibility of having the work done here at Eastern, with equipment located in Klehm Hall!

After an initial meeting with Dr. David Melton; Randy Rodebaugh,

R&A Carpenter foreman, and Dr. Melton determined that the egg and dart Victorian molding could indeed be reproduced here at EIU.

Two students, Sean Roberts and Todd England, along with Dr. Melton used SolidWorks, a CAD software, to create the molding design. This software has been utilized by the school for the past 3 years. The design was then taken to the Dimension 3D printer, for a printed 3D model. After verifying form and functionality of the model, by Facilities, molds were cut into a plastic material, using the CNC machine.

The plastic mockup was compared to a piece of the original molding, and after just a tad bit of tweaking, it was deemed to be a good match.

The CNC machine, a SHOPBOT CNC Router, was then put to work cutting the wooden molding. It is amazing to see how closely the old matches the new.



Dr. Melton's classes have not used these pieces of equipment very long; the SHOPBOT CNC Router



Far left: Dr. Melton and Sean at the Shopbot.
Above & below: left: Samples of old and new.

has been in Klehm Hall for only little over a year. And the 3D printer has been in the School of Technology for only 2 years.

To assure that the high quality work continues; Sean is developing a Shopbot Tutorial for future use; and Todd is creating a portfolio of photographs to be reviewed by other students. All of these efforts assure that this partnership between Facilities and the School of Technology can endure.

Pete Grant, from CATs, is creating a video of the collaboration, which includes interviews and supporting video of the process. This will also capture the entire project for prosperity.

All of these efforts insure that the renovating of Old Main can proceed uniformly into the future.

And what about that grandchild? In this scenario, the child grows into young adulthood, and also takes classes in Klehm.....

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Let the “chips” fall where they may, at REC

A much anticipated day has finally arrived at the new Renewable Energy Center—the day of the very first load of wood chips! Around noon on Wednesday, May 4th, 2011, a semi truck load of wood chips arrived at Eastern’s Renewable Energy Center, located on the far east side of campus.

This historic event was witnessed by several, which included, Paul McCann, Eastern Illinois University Treasurer, Gary Reed, Facilities director, Mike Waddell Steam Production Supervisor and Chad Weber, Facilities Mechanical Engineer.

The delivery is only the first of many. But, this particular load was special for a couple of reasons. Not only was it the first, but it is also the first of the “shake down” start up procedures for receiving chips.

That one lone truck was part of the official start up of the wood chip handling system, in which all aspects of the process needed to be observed.

The pictures capture some of the action, of the dumping process.

According to Gary, the first biomass fuel usage is planned to occur in June. Total acceptance for Boiler #4 will be on June 27, 2011. With the schedule indicating that the boiler should be on line and in use on June 6th.

When you talk history at EIU, you tend to think of Old Main, Pem Hall or some other “old” building. But these recent events are history in the making!



Top Left: Truck delivering wood chips, backed into place.



Bottom Left: Truck now in early tilt stage.



Right: truck being tilted for dumping

Right: Mike Waddell, Gary Reed, Paul McCann at the truck tipper controls.



Below: wood chips falling from roof top layer loader

Lower right: the beginnings of wood accumulating on the fuel storage building's floor.



Neither rain, nor hail, nor floods.....

Gary Hanebrink, Environmental Health and Safety, has had the unique opportunity to be involved in some of the most harrowing weather related incidents of our times.

He has just recently returned from assisting at Cairo, Illinois, where he was instrumental in writing the evacuation procedure for the town. Gary spent seven days in the water ravaged area, working with other emergency responders from all over the state of Illinois. There days were filled with planning for the inevitable, as well as worse case scenarios. However, even emergency personal can have their own share of woes.

The command post, set up by the Illinois IMT (Instant Management Team), had to be evacuated and relocated due to the rising waters, after a levee broke!

The following pictures show the flood waters as they began to

overtake the post.

In a flood, nothing is safe, not even those that are there to try to help. Thankfully, Gary is ok!



Above: Command post drive, before evacuation—note the plastic wrapped phone box.

Below: Traffic continued on Rt. 3, after the command post moved. Note phone box.



Right: Command post, showing the sandbagging phone box.



Left: Command post and phone box, after the sand bagging.

Below: a little bit of humor, during a very rough time.



Recycling Pickup Scheduling Changes

Recycling pickup goes to 3 days per week to increase the efficiency of the collection of recyclable materials.

The recycling pickups will be Mondays, Wednesdays, and Fridays, beginning May 9th.

Typical hours will be 7AM to noon.

We ask that at least one day's

notice be given for pickups that are not located at the typical collection site outside of the building.

So far this year, the University has recycled over 1 million lbs of material. We ask for your help in reaching the president's goal of reducing trash by 25%.

If you have ideas as to how to

reduce waste, or get more recyclable material into the recycling stream, contact Ryan Siegel.

Submitted by Ryan Siegel, Energy and Sustainability Coordinator, Facilities Planning and Management.

"...recycling pickups will be Mondays, Wednesdays and Fridays, beginning May 9th."



Pemberton Hall
Photo by Lionel Sanders,
Construction Project Coordinator, FPM

April's quiz! Something a little easier!

This edition's quiz is going to be somewhat easier than the past two offerings. Same rules as applied to the others, first person with 100% correct answers wins! Its as easy as that!! Here goes..

1. Who was the very first president of Eastern?
2. Speaking of presidents, how many have we had, what are their names in chronological order?
3. How many names has Eastern had, when and what where they?
4. What year was the first non-teaching degree granted?
5. Who is Pemberton Hall named after and why?
6. What buildings are on the National Register of Historic Places?

Like we said earlier, this one is much, much easier than the pre-

vious two quizzes. We thought we'd give you a nice, simple one after the snowy, icy, cold winter that we had. You deserve a break!

Please email your answers to Deb Black dblack@eiu.edu.

Good Luck.....and remember, a prize awaits the first correct entry!!

"You can't get it back unless you back it up."

Aaron's Alerts—Backups *submitted by Aaron Allison,*

You must back it up to get it back. Virus, hardware failure, friends or even yourself can do something to make you wish you had a backup. A backup can be as easy as copying the file to a flash drive. I was reading an article the other day on backups (<http://www.dpbestflow.org/backup/backup-overview#321>). They lined out a great way to make backups to help with the risk of losing your precious pho-

tos and videos. He explains the 3-2-1 Backup philosophy. 3-2-1 backup goes like this, 3 locations of the file, 2 media types, 1 backup office. Let's break this down. You should have 3 locations for the file, the original and 2 backups. You should choose 2 mediums to backup the data, meaning use DVDs and Flash Drives or Online backup and USB portable Hard Drives. One of the backups should be offsite. Offsite back-

ups protect you in the event of a house disaster backups don't go with it. I like using Portable Hard Drives; they seem to be the most bang for the buck. Currently at staples you can get 1TB(lots of space) hard drive for under \$100. Please schedule your next backup soon. You can't get it back unless you back it up.

Upcoming Events and Recent Retirees

May

Memorial Day: May 30, 2011

June

Father's Day: June 19, 2011

First day of Summer, Yippee:
June 21, 2011

July

Independence Day: July 4, 2011

Facilities Planning and Management wishes to congratulate the recent retiree.

Dan Wagoner, Grounds Shop — retired 2/18/11

Everyone at FPM wishes Dan the very best of luck!



Calendar of Events

January's Quiz Winner is Announced!

Again, a winner has been announced for the FPM newsletter's exciting quiz. January's winner was Dr. John Stimac, from the Honors College.

He correctly answered every question.....and in some cases, almost identical to the way we had written them. Which just proves that the answers are out there, somewhere, and that we both used the same sources. The answers are as follows:

1. 1900
2. 4
3. He gave the dedication speech for the new Eastern Illinois State Normal School
4. The original contractors suffered during the financial scare of 1896-1897, and had to withdraw.
5. Alexander Briggs a stonemason and contractor from Charleston.
6. Located on Lincoln Field, current site of Lincoln, Stevenson and Douglas, was used as married student housing after WWII.
7. It was on south 4th St., and took over for single veteran & additional married student housing.
8. 1918, influenza outbreak.
9. 1932, 1934 due to the depression.

Congratulations, Dr. Stimac!!!



**1908 Faculty
Eastern Illinois State
Normal School**

Snow and Ice of Winter gives way to Spring Rains

The snow and ice storms of late winter played havoc with the roofs on campus. Ice and snow contributed to a large number of ice dams on the campus sloped roofs this year. Gutters filled with ice forced runoff from the snow melting on the roofs back up under the shingles and into the buildings. The roofing shop along with other crafts on campus did their best to contain and repair the damage associated with these

leaks. As the temperatures rose and the ice and snow began to melt older flat roof systems began to suffer from thermal shock. Roof membranes unable to with stand the sudden expansion and contractions split wide open. Trying to make repairs with the daily freeze-thaw cycle on top of the roofs tested the patience of both the building occupants and the FPM roofers. With warmer days and nights

many repairs related to the winter weather have been made to the campus roofs. And then with April came rain, rain and more rain. Local meteorologist have looked thru the record books and found this

April to be the wettest since 1922. Over 10.81" of rain fell on campus in April beating the old record of 8.63". With almost 11" of rain the roofers spent the majority of April making emergency repairs and keeping the gutters and roof drains open and flowing. With the May forecast of above normal precipitation and below normal temperatures. FPM roofers are expected to be busy making repairs and insuring the campus stays dry.

Submitted by Michael Carter, Jr.—Facilities Planning and Management, Roofer Foreman.



Above: roofing patch repairs made at Coleman Hall..



Above: the straight line indentation is where the Insulation shrank, causing a thermal split in the membrane. A gypsum dam was constructed along the sides of the split as an emergency fix; until permanent repairs can be made.

Primary Business Address

Your Address Line 2

Your Address Line 3

Your Address Line 4

Phone: 555-555-5555

Fax: 555-555-5555

E-mail: someone@example.com



Your business tag line here.

We're on the web
www.eiu.edu/~fpm/planit.php

Person of the Year!!! Director of FPM-Gary Reed

What a tremendous acknowledgement for our tremendous boss, Gary Reed! Facilities Planning and Management is proud of our director and proud that he and the entire department has been recognized by the Daily Eastern News.

It is especially gratifying that members of the student body bestowed this title, upon us. We are pleased to know that all of the hard work is appreciated.

Snow has to be removed; heat and/or air has to be supplied; updating must occur, water has to be running; roofs have to be sound; lights have to be on; and so on and so on —and all of those tasks require cooperation between the end users and the suppliers. In this case, FPM is the supplier and we truly appreciate knowing that all of our labors are noticed. And noticed for the right reasons. The staff at Facilities Planning and Management thank the Daily Eastern News for this accolade.

Focus on Facilities—Environmental Control

This issue's featured employee is Bennett Andres. However, in FPM he's known as Ben.

Ben is a highly skilled refrigeration/pipefitter within the Environmental Shop in Facilities Planning and Management. Ben is Eastern's go-to-guy in regards to chiller maintenance and repair.

The EC Shop at Eastern is responsible for welding, ventilation, pipefitting and refrigeration work at EIU.

The shop is split up into areas of respon-

sibility at the direction of the shop Supervisor Rick Bagwell. A few of these areas are; 4 men are assigned to daily routes, 2 men are assigned to pipe and pump repair, a couple men do control work.

Ben is responsible for the upkeep of the chiller units, welding and other duties as assigned. He is a highly skilled mechanic and welder.

As another FPM employee said "Ben is a tremendous asset to EIU and does a very good job, he has that attitude of always getting the job completed."



He grew up in Mattoon and in Ben's time away from EIU he is into racing, which is a subject that he is always willing to take a minute to discuss with folks.

Article submitted by John Sigler, Associate Director of Support Services, Facilities Planning and Management

Images:

- Klehm School of Technology— photos by Randy Rodebaugh, R&A
- 1908 EISNS Faculty from Booth Library Digital Photo Archive
- Flood pictures - photos by Gary Hanebrink, EHS
- Renewable Energy Center Photos—Chad Weber, FPM

The FPM PlanIt

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