

# PHYSICAL PLANT FOCUS

The Newsletter of Physical Plant at Indiana University - Bloomington

Summer 2008

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**Physical Plant Focus** is the quarterly newsletter of the Department of Physical Plant at Indiana University - Bloomington.

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## *IU Earns Award for Bradford Woods Project*

Indiana University received a national award in April for its new wastewater treatment plant at Bradford Woods. IU was chosen from among 158 projects by the American Council of Engineering Companies (ACEC) to receive the National Engineering Excellence Award.

Bradford Woods, a recreational area owned by Indiana University and run by IU Health, Physical Education and Recreation (HPER) Department, is located north of Martinsville, off Highway 67. Bradford Woods welcomes over 25,000 children and adults to its camping and recreational facilities each year, including programs for children with disabilities.

Bradford Woods had a problem. Its wastewater treatment plant "was outdated when it was installed 20 years ago," states Jeff Kaden, IU Director of Engineering. "We looked at various solutions including building a regional wastewater treatment facility, and pumping the wastewater offsite to a treatment plant in Brooklyn, Indiana." These solutions were very expensive and had problems of their own.

The consulting firm American Structurepoint, working with IU engineers, came up with a solution that "supported sustainable business practice in maintaining natural resources without destroying the ecological balance of the area." The solution involved creating a constructed wetlands area that naturally cleansed the wastewater. The construction of the project was completed by Reed and Sons of Bloomington, Indiana. Jeff Kaden states, "The use of constructed wetlands is an increasingly popular chemical-free approach to water treatment that mimics the natural cleansing abilities of a wetland."

Now, the new wastewater treatment system has become the focus of educational programs at Bradford Woods. The new system will give visitors the chance to study the importance and value of environmental stewardship, the characteristics of a prairie ecosystem, the benefits of wetlands and healthy watersheds, and other valuable lessons. Trails have been built through the wetlands area, and signs along the trail tell about the system and how it supports the ecology. (see photo, courtesy Indiana University.)

Jeff Kaden concludes, "This is a very positive outcome. By creating this environmentally-friendly solution to wastewater treatment, we have helped Bradford Woods remain viable for many years to come. In fact, this solution could be applied in small towns, in neighborhoods and many other areas as well. Bradford Woods is a model for sustainable design."



## *Focus Overview: From the Director's Desk*



**Hank Hewetson**

The timing of this newsletter just happens to correspond to one of the biggest news events in a long time: the Great Flood of 2008. The impact of the storms and subsequent flood was tremendous – for Physical Plant, for the University, the City of Bloomington and the devastated areas in surrounding counties. In one way or another, the flood affected us all.

I must commend the Physical Plant team for its efforts during this campus emergency. Many staff worked long hours to help with damage control and cleanup. I want to give my heartfelt thanks to all Physical Plant employees for their great response to this huge challenge. I appreciate your extra efforts and hard work. This was a true team effort. I would like to especially say thank you to the staff members in Building Maintenance, Building Systems and Utilities who worked around the clock to get power restored to Psychology and other areas of campus. Also I would like to extend my heartfelt thanks to all of the staff in Campus Division and Building Services who bore the brunt of the responsibility for the cleanup.

All of your efforts were appreciated. You'll see a sample of the flood-related thank you notes, from the Director of the Fine Arts Museum, on page 11.

I would also like to express concern and support for our employees whose homes and neighborhoods were hit by the flood. I commend the colleagues of these employees who have stepped in to help with donations and assistance. It's times like these that bring out the best in us as we help those who have lost so much.

It should come as no surprise that the Physical Plant family has been there for others in these difficult times. After all, that's the kind of business we are in. We fix things, build things, and do our best to prevent future problems. We can all take pride in the work we do, especially under duress. Our role is critical to the safety and comfort of others. During the Flood of '08, we demonstrated how good we can be. Congratulations and thanks to you all. - **Hank** ♦

## *What Happens to Work Orders?*

We type it. You fund it. We do it. That's how Ada Allen summarized the Work Order process in a nutshell. Many customers come to Physical Plant with a project in mind. If it's a project under \$4000 in cost (for example, fix a roof leak, move furniture), it will likely be handled as a Service Request. If it's a repair and renovation project costing more than \$4000, it becomes a Work Order. The team handling Work Orders includes Bruce Williams, Ada Allen and Jeff Castor in the Physical Plant Service Center. Bruce comments, "The process of work orders involves many individuals and a series of decisions. Customers need to allow plenty of lead time for renovation projects because the steps include preliminary design and cost assessment, budgeting, funding and construction document development. The process can sometimes take up to a year or more."

The processing of Work Orders starts with an evaluation of the project, and developing the job scope and cost assessment for the project. The University Architect's Office and the Engineering Department will talk to the customer, take measurements, take photos and then attach a preliminary design and cost assessment. At that point, Ada documents the "who, what, when, where and how much" for the project, lists the requestor, and the funding source. She then initiates an electronic approval process for funding the project.

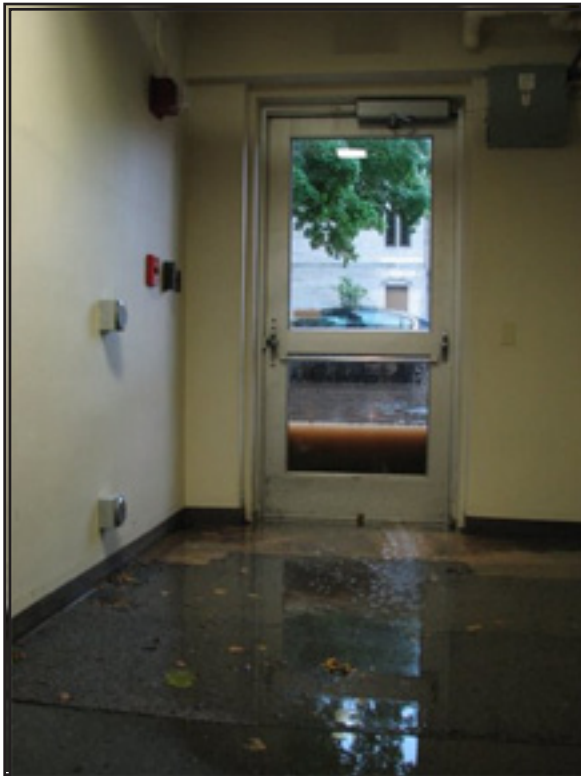
Once the funding has been approved, a final design is finished. Construction documents go to Jeff Castor who does something called a "take off." Jeff uses a standardized estimating system to figure the labor and material costs for the project based upon the construction documents. He determines which shops in Physical Plant will work on the project and he confirms that the funded amount fits the construction documents. The Coordinators group produces orders for the craft shops, orders long-lead items (like pieces of equipment), and generally manages the project to its completion. Once the work is done, the Work Order will remain open (and the funds remain encumbered) until all invoices have been paid.



**Jeff Castor and Ada Allen review a renovation project.**

**Questions about a Work Order? Contact Bruce Williams, 855-1564 or Ada Allen, 855-1771. ♦**

## *The Great Flood of 2008*



The flood waters rose quickly in and around campus on June 5th. Shown above is Bryan Hall with muddy water seeping under the door.



Above, a young man on a raft enjoys the swift flow of the Jordan River. Many buildings flooded, including the Psychology Building where an electrical utility room flooded. No injuries were reported, but damage will be assessed over the weeks to come.

Special thanks to photographer Michael Hamburger of the Dean of Faculties Office for some great flood photos...and to Mary Robbins, Business Office, for sharing them!

## *Emergency Center Nearly Complete*



**T**he Emergency Operations Center at the Indiana University Police Department's new location on 17th Street is one of those places you hope won't be used very often. But in case of a campus or other emergency, this room full of big screen TVs, phones and computers will become a communications and coordination center for IUPD, Physical Plant, Risk Management, emergency management, and other local emergency responders. During normal times, the room will be used as a training facility.

The project was headed by the Building Systems group, with computer expertise from Loretta Hutchinson and Jeff Powell, Technical Support, and electronics assistance from Jeff Smith. Ken Long and others from Risk Management were key to the project. The EOC is one of many projects making the campus safer and more secure.

**Here, Jeff Smith, Electronic Technician Master, Classroom Technology, left, discusses finalizing the equipment installation at the Emergency Operations Center with Andrew Lowry, Assistant Director of Building Systems.**



## *Beauty for the Eye of the Beholder: Campus Division*



**Nicolette Albright and Gordon Anderson arrange flats of annuals for distribution on campus.**

The Indiana University campus has won awards for its gardens and landscaping – and it's no wonder. With over 400 formal flower gardens, acres of fields and woodlands, luxuriant lawns, and no-mow prairie grasses, the campus is a showcase for landscaping done right. Over 75 Campus Division employees work hard to make the campus so beautiful. They build sidewalks, plan gardens, plant the flowers, tend the flowers, mow up to 700 acres of turf, and think up new projects to beautify the Bloomington campus.

The IU Nursery is the place where much of this beauty gets its start. Marshall Goss proudly shows off the greenhouses full of annual plants that will be distributed around campus in early June. A few days later, tiny chrysanthemum plants will arrive and fill two fields, and will be full grown in time for fall planting. Marshall explains that the greenhouse is busy throughout the year.

Turning “nothing areas” into places of visual enjoyment is one of the roles of Campus Division, headed by Mike Crowe, Director of Facilities. During a campus tour, several improved areas could be seen. A prime example is the park-like area just north of the IU Auditorium. In what used to be a piece of East Seventh Street that for a long time was a staging area for construction equipment,

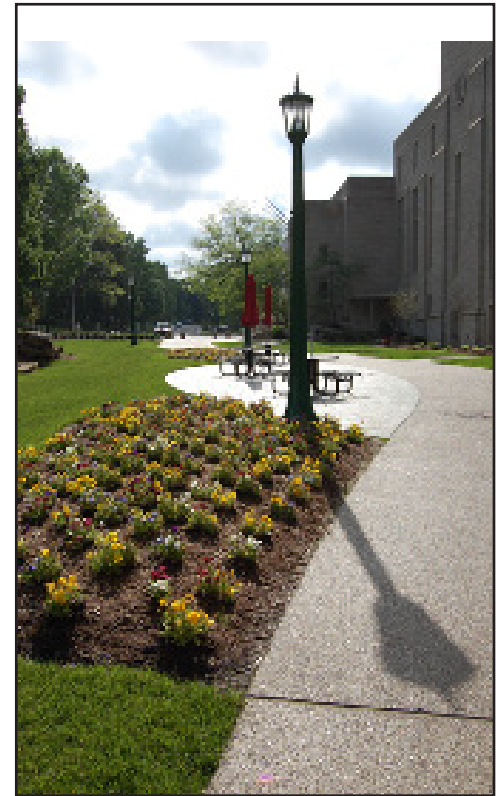
a remarkable stamped concrete meandering path (resembling slate) leads past beds of pansies, new bright green lamps, and interesting grasses. This area is well-traveled by pedestrians as it is near Wells Library and the Fine Arts building, and is *en route* to many dorms.

Other areas that have been improved include the courtyard by Ballantine Hall, the busiest classroom building on campus. Thanks to a new patio of stamped concrete, new

garden areas around the perimeter, and improvement of existing gardens, this area now provides a welcoming place for relaxing between classes, meeting friends, or just passing through.

One of the best examples of great landscaping can be seen driving on the bypass near Memorial Stadium and Assembly Hall. There, a number of large gardens have been established, including large limestone rocks, trees, grasses and a variety of seasonal flowers. These gardens make tremendous visual impact, even as you drive along the highway.

As you travel around campus, it is easy to see what the employees of Campus Division do: they create visual appeal at every turn. From the sprouting mum to the noble trees on campus, we can thank Campus Division for the beauty our eyes behold.



**The walkway along the north side of the IU Auditorium turned a previous “nothing area” into an attractive park.**



In the spring and summer, spectacular hanging baskets with red flowers grace many of the lamp posts on campus. These flower baskets and the annual plants, in front, are grown in the IU nursery. There are over 400 flower gardens throughout campus. The IU Auditorium and Showalter Fountain form the background.



Brian Little and Greg Humphrey of Campus Division work on new stone composite sidewalks in the area north of the Auditorium and east of the Fine Arts Building.

## *Meet the Editor*



Meet our new editor for the *Physical Plant Focus* and for the Physical Plant website: Sandy Lynch. Sandy has produced newsletters for local industry and a number of non-profit organizations. She enjoys writing, taking photos, and meeting people to create interesting newsletter stories.

Sandy grew up in Bloomington, and spent a lot of time exploring the Indiana University campus. As a new employee in Physical Plant, she is gaining an appreciation for the tremendous job that its employees do to maintain facilities and landscaping, keeping the campus attractive inside and out. "It's no wonder it takes a team of over 650 to accomplish these tasks," she comments.

"I want to invite all Physical Plant employees to enjoy and take part in the newsletter. We are planning four issues each year. We are always looking for interesting stories at work, and for employees who have unique hobbies or interests," Sandy states. "I welcome your e-mails or phone calls with good story ideas." Sandy's e-mail is [almlynch@indiana.edu](mailto:almlynch@indiana.edu), her phone is 856-3640.

See you in the news!

## Utilities Update

### *What's So Interesting about a Boiler?*

You may recall seeing pictures of the new boiler for the Central Heating Plant being moved in on a giant truck last Fall. Well, the boiler is now in place and working well. It is also adding to the efficiency and capacity of the university's central heating operations.

So, what's so interesting about this new boiler?

- △ It runs on gas, not coal, and it runs at 87% efficiency (compared to less than 70% efficiency of the boilers it replaced.)
- △ It has the capacity of 180,000 pounds per hour (the measurement of output in a steam heating system), compared to 120,000 pounds per hour total of the two old boilers.
- △ It is helping the university reduce emissions, and is paving the way for the next phase of improvements to the 3 older boilers: cleaning ash using bag houses that will filter ash particles down to 10 microns (that's small); dry-injecting lime to remove sulphur; and dry-injecting activated carbon to remove mercury. With these changes, overall emissions for the Bloomington campus will be reduced by 68%.
- △ The new boiler and other improvement efforts are similar to those at many other universities in an initiative called MACT, or Maximum Achievable Control Technology, as required by EPA Clean Air Act regulations.
- △ All of these initiatives will help the university comply with EPA (Environmental Protection Agency) regulations and guidelines. The benefits go beyond compliance: the benefits to the university include lower energy usage and costs, a cleaner, healthier campus environment, and the use of new technologies that are friendlier to the environment.

### *Metering Will Help Control Energy Use*

The Physical Plant's Utilities Department has been adding meters to most buildings on campus to help track energy use campus-wide. They are similar to those used by the City of Bloomington Utilities Department. Unlike your old water meter, no one will have to come by to read these meters. They are equipped with radio devices that allow data to be "read" by radio, enabling the information to go directly into computer software that will present the data in Excel spreadsheets.

Assistant Director for Utilities Mark Menefee explains that these meters will provide energy information to those responsible for controlling energy costs in buildings. "We're 80 percent complete with metering energy use on campus. It's not exactly like giving out utility bills to IU departments, but it will give energy usage information to those who can help control energy use. For example, in the dorms, students could be discouraged from leaving dorm windows open in winter."

Thanks to the new boiler, the new building meters, and plans for future energy conservation efforts, IU's Utilities Department is making big leaps in controlling energy use – and cost – on the Bloomington campus.

### Central Heating Plants

#### Indiana University Bloomington

1885 – 2004

#### Over a Century of Central Heat

- 1885 – The first heating plant on campus was built west of Wylie Hall. The total cost was \$2,172.
- 1897 – The building was torn down in 1897, and materials from it were used to reconstruct a second building. The second heating plant was built near the Chemistry building, close to Beech Chapel, at a cost of \$2,544.
- 1905 – A third heating plant was built on the East side of the Union building. The cost was \$23,702. This building burned down in 1929.
- 1915 – A fourth plant was constructed in the same location.
- 1945 – The fifth plant, the same one that stands today at Paxton and Walnut Grove, was originally constructed with two boilers.
- 1960 – Two more boilers (#3 and #4) were added to help meet increased demands as the campus grew.
- 1965 – Another boiler (#2) was added, and is the plant's largest.
- 1970 – The newest boiler (#6) was added.
- 1990 – Boiler #5 was converted to burn natural gas only.
- 1995 – Boiler #4 was converted to a gas and coal firing boiler.
- 2004 – A frame stretching coal pile was added for coal storage.



**Central Heating Plant #2**  
Constructed in 1897



**Central Heating Plant #3**  
Constructed in 1905



**Central Heating Plant #4**  
Constructed in 1935



**Central Heating Plant #5**  
Constructed in 1955



**Central Heating Plant #5**  
Circa 2000



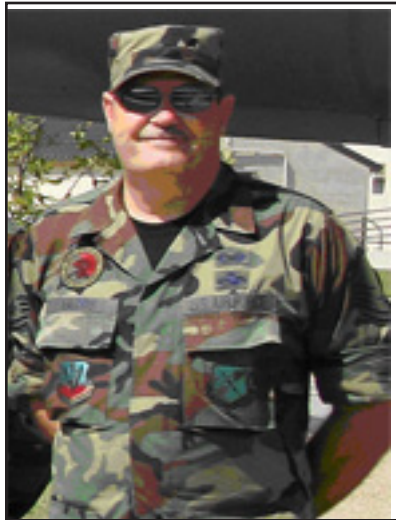
**Central Heating Plant #5**  
Circa 2003

Indiana University  
Utility Information Group  
A. Farris

The display above was created by Mike Farris of the Utility Information Group. It shows the evolution of the Central Heating Plant. The current photo of the plant, right, shows that with the reduction of coal-fired boilers, the building now has only two smokestacks.



## Employees in the News



Mike Farris created the Central Heating Plant History display on pages 6-7. When the editor contacted him, she learned that he was on military leave, and through e-mail, Mike gives us an update about his current job - looking at images from “spy planes” to watch for troop movement.

communicating to coalition troops, and others. It takes a large team of specialists to do all of this 24 hours a day, seven days a week, 365 days a year.”

“Very soon the 181st Fighter Wing will change to the 181st Intelligence Wing, and begin doing missions from there. The unit is growing fast and needs people. I’m very proud of what I’ve done, and I am especially proud of what I’m doing now. I have a direct impact on the safety of our troops.”

“I don’t want to sound like a recruiter, but we really could use some more folks to help us out. If you have any response to this article, the editor will forward them to me at my e-mail address.”



### Watching Over Our Soldiers

Two Physical Plant employees are currently on military leave: Mike Farris, Utilities, and Andrew Hancocok, Building Services. We recently heard from Mike Farris, telling us about his current job.

Mike started at IU in 1985, working for Building Services (22 years total at IU). In 1997, he started working for IU Utility Information Group as Senior Documentation Tech, “I use GPS, AutoCAD, ArcMap, and PhotoShop to document utility system installation, damage, repair, and replacement.”

In 1983, Mike enlisted in the Indiana Air National Guard at the 181st Fighter Wing in Terre Haute Indiana (30 years in June 08- with 4 years active duty Navy) “I have held many positions, including Aircraft Maintenance, Photo Sensor repair, Unit Historian and now Imagery Analyst. I attended a six-month school for Imagery Analysts at Goodfellow AFB, Texas, plus two months follow-up training in Kansas. I was placed on “Global War on Terror” orders and remain on them.”

“Ok, about the job... You’ve seen the news, showing a black and white video of buildings and people walking around, sometimes even shooting weapons. My job is to sit in an air conditioned room with no windows, somewhere in the United States or overseas, and watch really big TV screens for 12 hours a day. I do this a minimum of four days a week. Sounds easy right? Add in the tension of knowing that “our guys” are down on the ground in harm’s way, and it’s our job to cover their backs and help be their eyes in the sky. We watch for bad guys doing bad things, such as digging in roads or paths and planting IED’s (Improvised Explosive Devices), firing mortars at coalition troops, ambush sites and more. All this takes place in real-time,



### M-M-M-Mushrooms!

Tom Fallwell - and his accomplice, Kay Lee -- were taking a morning break, walking on Range Road in late April, when Tom stopped and pointed and simply said, “Mushrooms!” As any good Hoosier knows, wild mushrooms, or morels, are the elusive and prized crop that sends many of us to the woods in the spring. Only a few, however, come up with 50+ mushrooms during their morning break. Tom is shown here with a large “tray” of bark holding his treasures. Ironically, Kay doesn’t like mushrooms (how is this possible?), so Tom made out like a bandit.

The thing that caused “mushroom envy” in other employees at the Service Building was that these mushrooms were found mere steps from the building and were clearly visible from the road. Still, everyone was impressed by the mushroom haul. And we’re betting others may check out that tree stump next April...

## Take 2 for Safety

Take 2 minutes to THINK about safety before acting – whether you are on the job or at home. Taking just 2 minutes to THINK about what you are doing could save your life...or the lives of others.

“Take 2 for Safety” is a theme you will see in each newsletter, with a feature about a safety topic. Safety of employees is our TOP priority... and must be the TOP priority of everyone who works here. These safety reminders will help us keep that TOP priority in mind.



### Lock Out, Tag Out



Electricity can kill. In fact, in the U.S. alone, electrical shock kills over 1,000 people a year. This is the reason the national Occupational Safety and Health Administration (OSHA), the University and Physical Plant all have policies about “locking out/tagging out” dangerous power sources when working on equipment. Employees who work with electricity and moving equipment are trained in Lock Out, Tag Out procedures.

Lock Out and Tag Out is used to shut down and actually lock out power sources for equipment under repair. A padlock/tag is placed on the breaker box or other power source, so that no one can come along and turn the power on while someone is at work on equipment. The tag is used to alert anyone around that the power or piece of equipment is locked off while work is going on.

The simple lock out, tag out procedure does not take much time, but the time it takes is well worth it. It's a guarantee for those working in and around equipment that no one will get hurt or killed. To find out more about Lock Out, Tag Out, check with your supervisor.

As we said at the beginning – “Taking 2” for Safety – taking a moment to think about the safety of what you are doing – can have big payoffs. Think of yourself, think of your family and friends... and “Take 2 for Safety!”



### How to Contact Physical Plant Services...

Emergency? **Call 855-8728 anytime.**

To place a work request:

- ◆ **On the web:** On-line Service Request Form: [www.indiana.edu/~phyplant](http://www.indiana.edu/~phyplant)
- ◆ **E-mail:** [phypltbl@indiana.edu](mailto:phypltbl@indiana.edu)
- ◆ **Phone:** 855-8728 (emergency or urgent requests)
- ◆ **Fax:** 855-7742
- ◆ **Campus Mail:** Physical Plant Service Center, 1800 N. Range Road, Bloomington, IN 47408



## Milestones

**C**ongratulations and thanks to all employees celebrating a service anniversary, promotion, retirement, or a new job!

### Service Anniversaries

#### 30 years

Tom Abram  
Denny Russ  
Bruce Williams  
Don Young

#### 25 years

Donald Dayhuff  
Dave Elkins  
Jim Klein  
Jim Sindars  
Steve Smith  
Kathy Wiegand

#### 20 years

James Arvin  
Teresa Bowman  
Alan Brandt  
Greg Hardin  
Ted Hardy  
William Hendrix  
Patricia Jenkins

Michael Montgomery  
Lowell Rainey  
Marty Shipley  
Joyce Smith  
Greg Spaulding  
Penney Steward  
Shirley White

#### 15 years

Steve Hamlin  
Eddie Miller

#### 10 years

Jerry Barger  
Nancy Boxell  
Richard Covey  
Deanna Crane  
Richard Davis  
Tom East  
Robert Hartgraves  
Jason Hollers  
Jerry Hurt  
Michael Lenning  
Mark Menefee  
Gregory Meyer  
John Myers  
Roger Pruett  
Jeffrey Smith  
Jim Tincher  
Rick Tungate

#### 5 years

Marco Ancil  
Larry Hollers  
Don Perrus  
Dennis Stewart  
Roger Wilhite

### Transitions

Byron Axsom - Foreperson HVAC

Alcide Dagley - Electric Apprentice

Dale Lisby - Manager Building Maintenance

Dennis Macy - Assistant Manager, Construction - Building Rep

Joe Rogers - Crew Leader Preventive Maintenance

Teddy Scales - Foreman Utilities.

### Retirements

Byron Beck  
Mike Bell  
Robert L. Breeden  
Cathy Lou Fidler  
John E. Flake  
H. Vernon McBride  
Robert McGlocklin  
William K. Sluss

### Welcome New Staff

#### Administrative Support Services

Sandy Lynch  
Kathryn Sherman

#### Building Maintenance

Joshua Cornett  
Brad Frankland  
Timothy Hyde  
Rick McGlothlin

#### Building Services

Justin Arthur  
Jill Clark

Paris Gray  
Danny Hamblen  
Andrew Hancock  
Steve Hanna  
Rodney Harrell  
David Headley  
Jai Lavender

Sheila Marion  
Theron McGlocklin  
Nathan Morley  
Cynthia Morries  
Adam Nuwer  
Bev Prince  
Archie Quillen  
Herb Salter  
Mike Thompson  
Craig Travis  
Ted Tuleck  
Steve Williams  
Rodney Willison, Jr.

#### Campus Division

Mike Girvin  
William Joseph Jones

#### Engineering

Bart Taylor



## Trees Planted in Honor of Employee



**M**anju Agarwal was a well-loved employee of Physical Plant. She passed away on October 13, 2007. Her family planted intertwining Redbud and White Bud trees in her honor, and a ceremony on May 16, 2008, dedicated the trees to her memory.

Honoring Manju were, left to right, Vice President Terry Clapacs, Sarita Soni, Vice Provost for Research, Manju's husband, Gil Agarwal, Engineer, Bridget Gentry, VPAD Technology, who read her poem about Manju, and Jeff Kaden, Engineering. From Bridget's poem:

*Loving and giving without reservation  
Manju was there without hesitation.  
She will be missed by everyone she knew  
Especially her family and the Physical Plant Crew.*

## Letters from our Customers

*October 7, 2008*

Subject: Thanks for your help after the big storm on September 25

Thanks again for the excellent emergency response that you and your crew provided in promptly clearing the fallen tree from the driveway next to Swain Hall on Tuesday evening, September 25. Thanks to your good efforts, we were able to get home by our usual dinner time. We appreciate your dedication in working well into the evening to promptly respond to this problem.

Regards,

Haldan Cohn & Phyllis Luger,  
Professors  
Department of Astronomy

*May 29, 2008*

Just a quick note to thank you and your crew for such a nice job in Woodburn. I haven't seen Woodburn looking this nice in years! It has a fresher and cleaner feel to it that you notice as soon as you walk in – and it already looks better prepared to make a much nicer impression on our new students and parents as they consider the learning environment at IU. Please pass on our thanks to all involved in painting, cleaning up graffiti, and doing all of the detailing – it has made a huge difference.

Melanie J. Payne, Associate  
Director - Orientation Programs

*September 27, 2007*

I just wanted to thank you again for facilitating the much needed paint job at the International Center. The guys completed the task at the beginning of the week and the walls look great. Please pass my thanks on to the crew. Thanks again.

Sandy Britton, Director,  
Leo R. Dowling International Center  
111 S. Jordan Ave.

*June 5, 2008*

I know that yesterday must have been challenging to the whole university given the flash flood that impacted so much of the campus and the city. The Art Museum was hit hard too, and the timing, not to mention the amount of water, had disastrous potential for us. But so many people responded so quickly that they deserve public thanks and recognition for their outstanding contributions which really limited the damage.

I want to especially recognize the Building Services folks- they came through big time: Kay Lee, Jerry Bland, Ralph Evans, Jay Owens and Nate Morely- all contributed extra time, provided extra sump pumps, brought in wet vacs and worked till the job was done.

They say emergencies bring out the best in people. This sudden flood certainly did- I especially value the initiative, the team spirit and the total commitment to the safety and care of our precious collection. Bless you and thank you all for your inspiring help! This is why IU is so great! Thanks -

Adelheid M. Gealt, Director  
Indiana University Art Museum

## Building Maintenance

### Apprentice Certificates Awarded



Receiving apprenticeship completion certificates from the Department of Labor are David Eads - Carpenter; Allen Hall - Locksmith, and Tom Lirot - Locksmith. For Allen and Tom, this is their second certificate- they also earned certificates in Carpentry.



Also receiving his certificate recently was Jeff Norman - Carpentry, who was congratulated by Gwen McCay, Administrative Support Services, as Hank Hewetson, Assistant Vice President for Facility Operations looks on. Dale Lisby and Dennis Macy, wait their turn to congratulate Jeff.



Chuck Lyons - Heat Mechanic, Kevin Carr - Electrician, Dave Fisher - Plumber, and Ron Shields - Plumber, completed apprenticeships in February.

## *Building Services*

### *Ralph Evans Earns IU Staff Award*



**R**alph Evans, Supervisor for Building Services, was honored by IU with a Staff Award in December 2007. The award was the result of nominations by fellow employees. Ralph's enthusiasm and "willingness to go the extra mile," earned the respect of his co-workers.

Ralph sits by the famous fish in the Showalter Fountain, with the Fine Arts building in the background. ♦

## *Building Maintenance*

### *Trailers Make Life Easier*



**T**he new trailers used by Physical Plant look like they might contain a sprint car, but in fact they provide a handy way of getting materials to a work site, and storing materials at a work site. Here, Rob Wetzels, Jr., Carpenter, stands in front of some new equipment ready for installation. The trailers result in reducing material deliveries by storing all material securely at the site. This also frees up dock space. ♦

Emergency? Call 855-8728

### **Physical Plant Focus**

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