



Feb. 25

Where's Bob?

Do you know where university photographer Bob Elbert spied this large version of Old Glory?

Feb. 25

Top honors for King Pavilion

The U.S. Green Building Council awarded the King Pavilion addition to the College of Design LEED® Platinum certification, the highest rating for new construction.

Feb. 25

Learning from sustainability leaders

The founders of the outdoor clothing firm Patagonia and Harvard's Green Campus Initiative delivered keynote presentations at ISU's Symposium on Enhancing Sustainability.

Feb. 25

Nominees sought for Vet Med search committee

A search committee will be formed by late March to find the next dean of the College of Veterinary Medicine. Nominations of potential committee members may be e-mailed to executive vice president and provost Elizabeth Hoffman by March 5.

Feb. 25

Faculty discussion continues at AAUP meeting

The ISU chapter of the American Association of University Professors held a Feb. 22 open meeting, continuing discussion of possible academic program and faculty position eliminations.

Feb. 25

Wipe your feet

Winter salt and sand accumulations are keeping custodial staff members busy cleaning high-traffic areas in campus buildings.

Feb. 25

Green projects reap rewards

The solar decathlon team, ISU Dining and the group that brought recycling to the residence halls received Live Green Excellence Awards.



Leith Sharp



Keeping it clean

Announcements

- Registration open for Veishea Service Day, Stash the Trash
- RSVP for Women of Achievement Awards and Scholarship reception
- March 3 LAS small business fair canceled
- Patent seminar: Protect your inventions, ideas
- Roth IRA seminar is March 2; register in advance
- Register now for 2010 EXPLORITAS programs
- March 2 Miller Distinguished Lecture looks at mathematical biology
- Tickets on sale now for April 3 student fashion show
- Faculty workshop on successful grant proposal writing is March 2
- First STEM coffee break is Feb. 26

Receptions & open houses

Reception

- Margaret Sloss Gender Equity Award and Scholarships

Arts & events*The Importance of Being Earnest***Being earnest about Ernest**

An ISU Theatre production of the Oscar Wilde comedy *The Importance of Being Earnest* begins a two-weekend run at Fisher Theater on Feb. 26.

Honors & awards

- Steve Garasky and Kim Greder
- Aaron Sadow
- Dick Schultz

Around campus

ISU researchers help farmers earn more, waste less
I-FARM, a free online tool developed by

ISU software experts, helps farmers make better-informed operational decisions.

Roads expected to deteriorate during March thaw cycles

Anticipated March weather of above freezing during the day and below freezing at night will place an even tougher beating on roads, says an ISU transportation and asphalt specialist.

Students prepare for alternative spring break trips

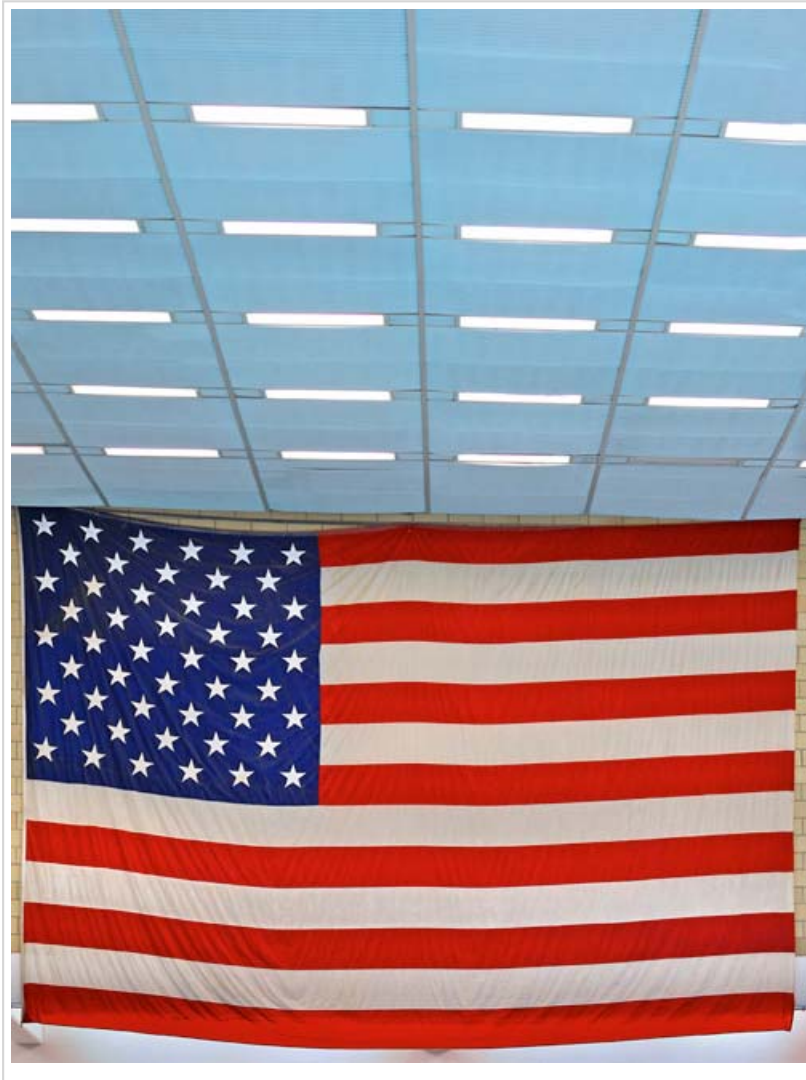
Not all ISU students getting ready to travel over spring break are in search of a beach. Iowa State's Alternative Breaks program is sponsoring three trips for volunteers looking to help others.

Inside tools

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Feb. 25, 2010



Where's Bob?

University photographer Bob Elbert recorded this American flag in the Beyer Hall pool room, home to the Cyclone women's swimming and diving team.

Feb. 25, 2010

King Pavilion earns Iowa State its first platinum certification

by Teddi Barron, News Service

The King Pavilion addition to the College of Design has been awarded LEED® Platinum certification by the U.S. Green Building Council (USGBC). It is the first higher education building in Iowa to achieve LEED Platinum status and among just a handful nationally in public higher education.

LEED is USGBC's rating system for designing and constructing the greenest, most energy-efficient and high-performing buildings. Platinum is the highest rating given for new construction projects, followed by gold, silver and simply "certified." Each rating corresponds to the number of credits accrued in six categories: sustainable sites, water efficiency, energy and atmosphere, materials and resources, indoor air quality, and innovation in design.

"The King Pavilion stands as a testament to the commitment that Iowa State has made to becoming a model 'green' university, in our daily operations as well as in our teaching, research and outreach programs," president Gregory Geoffroy said.



Located on the north side of the College of Design, the \$6.6 million, 23,735 gross-square-foot King Pavilion features a central, two-story "forum" surrounded by instructional studios used by all freshmen in the college, as well as sophomores in architecture, landscape architecture and interior design. *Photo by Cameron Campbell.*

The significance

The King Pavilion is one of only eight LEED Platinum buildings in higher education at public institutions in the United States. It is the second LEED-certified building on the Iowa State campus. Morrill Hall earned LEED Silver. Hach Hall, the Biorenewables Research Laboratory and the recreation facilities expansion are being designed and built under LEED guidelines; they are targeting Silver, Gold and Gold, respectively. King Pavilion also is just the second LEED Platinum building of any type in Iowa; the other is the ACT Data Center in Iowa City.

The score

Up to 69 points is possible in the Platinum category. The College of Design submitted 57 points for approval and earned 53, including three exemplary performance points for daylighting, water efficiency and recycled content. Exemplary performance points are awarded for exceeding LEED requirements.

Other winning features of the King Pavilion

For example, the King Pavilion achieved 100 percent daylighting, exceeding the requirement of 75 percent. Clerestory windows on both levels of the building and the light monitor (the sloped section of roof above the central forum space) allow for uniform lighting levels inside and reduce the need for artificial lighting.

Sensors throughout the facility monitor occupancy and light levels and automatically turn lights on and off as needed. In part because of this, and occupancy sensors that adjust the temperature and

ventilation when the space is not occupied, the King Pavilion is 42 percent more energy efficient than a code-compliant building. In the architect's energy model, the King Pavilion will save about \$1 per square foot per year in energy over a standard code building.

The second exemplary performance point was for water efficiency. The King Pavilion achieved a 50 percent reduction in water use over a code-compliant building, in part by installing automatic sink faucets, low-flow urinals and dual-flush toilets in the restrooms. The two-button flushing system permits users to manually select the water volume of each flush according to need.

LEED thresholds for recycled construction content range from 10 and 20 percent; the King Pavilion achieved 32 percent, in part by using 75 percent recycled steel, recycled blue jean insulation, recycled plastics and restroom countertops made of 100 percent post-consumer recycled paper.

Commitment to green building

"This is truly an achievement for Iowa State. LEED Platinum is the most difficult certification to obtain, and we did it," said project manager Kerry Dixon-Fox, an architect with facilities planning and management. "We used a number of new technologies on this building that haven't been used on campus before, and it will help us demonstrate how sustainable design provides a great learning environment. The King Pavilion will be a showcase for building green."

The addition is named for alumni Steve King, Maple Plain, Minn., and his late wife, Barb (both class of '68), who made a commitment of \$1.5 million for the facility. The Kings founded Landscape Structures Inc., an innovative children's play equipment company. More than 2,000 other alumni and friends contributed to the project.

The King Pavilion was designed by RDG Planning and Design, Des Moines. Others on the project team included Conservation Design Forum, Elmhurst, Ill.; Charles Curt, Engineering Economics Inc., Red Wing, Minn.; Holabird and Root, Rochester, Minn.; Charles Saul Engineering, Des Moines; Stecker-Harmsen, Ames; and The Weidt Group, Minnetonka, Minn.

Feb. 25, 2010

Green gurus

by Diana Pounds

Yvon Chouinard, a rock climber, surfer and falconer who never wanted to be a businessman; and Leith Sharp, an Australian who founded Harvard University's much acclaimed Green Campus Initiative, shared insights with participants in Iowa State's Symposium on Enhancing Sustainability this week.

Here are some highlights from their keynote talks:

Yvon Chouinard

As a young climber, Chouinard started blacksmithing his own pitons. Soon, he was supplying friends and then customers, and his outdoor equipment company was born. When he later discovered the popular pitons were destroying cracks in rocks, he quit making them. The environmentalist would make many such decisions in future years as he grew the outdoor clothing company Patagonia.

On leading an examined life: Chouinard was surprised to discover that most 100-percent cotton fabrics really were about 73 percent cotton and the rest, chemicals. "I had no idea what I was doing. But I knew one thing. I didn't want to put formaldehyde on my clothing anymore." The incident would spark an exhaustive search for organic cotton and a corporate decision to ask questions and examine everything that goes into a Patagonia product.

On taking responsibility for your product forever: Patagonia asks customers to return old or worn products so they can be recycled. In addition, the company gives 1 percent of its sales back to environmental causes. "We use that as an earth tax, just for being polluters, for using up nonrenewable resources."

Leith Sharp

Sharp created one of the first green campus organizations in the world at the University of New South Wales in Sydney, Australia. In 1999, she was recruited by Harvard to establish a similar program. Under her leadership, Harvard's Green Campus Initiative blossomed into one of the largest green campus organizations in the world. Today, she is an international consultant on strategic campus sustainability. She's also a visiting scholar in the Harvard School of Public Health and teaches courses on sustainability and green building design at the Harvard Extension School.



Leith Sharp

On the danger: "In the last couple hundred years since the industrial revolution, we've very much removed ourselves from nature very rapidly. As an unintended byproduct of that, we've actually lost touch with nature and the way in which it is impacted by our practices, our choices ... The symptoms have really started to come home for many people from around the the world. Almost every major life support system that we depend upon as a species is under stress."

How much do we need? "Right now we live in a society in which consume and we consume. And we're told from the cradle to the grave, through the media and many other avenues, the road to happiness is paved with consumption. But we know from fact that this is not the case, that people with

very high consumption levels are no happier than people with quite conservative consumption levels."

On higher education's role: Universities can influence sustainability not only through teaching and research, but as economic engines. "I've seen it firsthand. When Harvard switched its attention to green buildings as normal practice (as you have done here), the architecture community in Boston changed. And, all of a sudden, every architecture firm had a sustainability expert ... This is the power of a university to really change the local economy."

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Feb. 25, 2010

Other winning features of the King Pavilion

by Teddi Barron, News Service

The LEED® Platinum certification for the College of Design's King Pavilion was based on other green design and construction features that positively affect the project itself and the broader community.

These features include:

Green roof

The living roof is sown with 20 varieties of hardy, colorful plants (including 14 varieties of sedum) in a gravel-sand medium, underpinned with three layers of substrate materials that control moisture flow and protect the roof membrane. The roof helps reduce the "heat island" effect in the summer, prevents up to 80 percent of rain and snowmelt from flowing into storm sewers as runoff, and requires little maintenance or repair.

Stormwater management

The site around the building was developed to demonstrate water-retention techniques. Percolation allows the water to seep back into the soils instead of being piped directly into the storm sewers. Rain gardens and detention cells under permeable paved areas help slow surface rainwater flow into local storm sewers.

Main story

King Pavilion earns Iowa State its first platinum certification

Natural ventilation

A significant portion of the new building is ventilated naturally (in warm weather) with operable windows. Because the King Pavilion will not be used during the summer, it is not air conditioned, but has moving air and dehumidification. Motion and carbon dioxide sensors in the building switch blowers on to circulate air when they detect occupants in the studios.

Indoor air quality

The project team focused on selecting interior finishes that would not be harmful to the building's indoor air quality. These included low-VOC (volatile organic compound) paint and adhesives, polished concrete floors and no added urea-formaldehyde in casework. The building also has an intensive air filtration system, and the team completed indoor air quality testing prior to the building being occupied.

Feb. 25, 2010

Nominees for Vet Med search committee sought by March 5

Executive vice president and provost Elizabeth Hoffman seeks nominations for faculty members, staff members, students and members of other college constituencies to serve on the search committee for the next dean of the College of Veterinary Medicine. The committee will be co-chaired by Labh Hira, dean of the College of Business; and Susan Carlson, associate provost for faculty advancement and diversity.

Although the majority of members of the search committee will be faculty members from the College of Veterinary Medicine, nominations are sought for potential committee members from all constituencies of the college, including staff members, students, alumni, donors, industry and faculty members from departments outside the college. The intent is to appoint a diverse search committee that reflects the variety of constituencies, disciplines and activities of the college.

Nominate via e-mail

Names and e-mail addresses of nominees should be sent to **Hoffman** and administrative specialist **Julie Ham**, via e-mail, by March 5.

Hoffman said she expects to appoint the search committee in late March to ensure that the next dean of the College of Veterinary Medicine is in place by the end of 2010.

Dr. John Thomson, who has served as Vet Med dean since August 2004, announced Feb. 9 that he is retiring as dean, effective Jan. 1, 2011. He will remain on the ISU faculty.

Feb. 25, 2010

AAUP chapter continues faculty discussion

by Erin Rosacker

The ISU chapter of the American Association of University Professors (AAUP) held a Feb. 22 meeting, designed to be an open forum discussion about budget-related topics, such as possible program and faculty eliminations.

Approximately 50 faculty members attended the meeting, held in Gilman Hall. Short presentations about ISU's budget numbers, the impact of cuts on non-tenure eligible faculty, and the possible elimination of academic programs and tenured faculty positions sparked the majority of the discussion. Faculty Senate representatives were present, and they fielded questions about **proposed policy changes** presented to senators this month.

Chapter president Mack Shelley said the meeting was the first in a series of sessions. Like the national AAUP, the local chapter is focused on advancing academic freedom and shared governance. He said the local chapter, which was reactivated last fall, has "direct connections" to the Faculty Senate and is working to create liaisons with other campus programs.

Although the local chapter does not have an advisory or participatory role in governance at ISU, policies and language developed by the national body commonly are used as standards at colleges and universities. AAUP membership is open to teaching and research faculty. Graduate students, administrators and other members of the public also are eligible.

For more information, contact executive committee members of the ISU chapter:

- Mack Shelley, president, mshelley@iastate.edu
- Heimir Giersonn, vice president, geirsson1@gmail.com
- Cullen Padgett Walsh, secretary, cpadgettwalsh@gmail.com
- Sue Ravenscroft, treasurer, sueraven@iastate.edu
- Jack Girton, at-large, bpatch@iastate.edu
- John Pleasants, at-large, jpleasan@iastate.edu

AAUP

Find out more about the **American Association of University Professors** online. A **local chapter web site** also is being developed.

Feb. 25, 2010



Another round with the mop

As the sun rises over campus, custodian Jeff Hedlund tackles the last 24 hours worth of sand and dirt in the north foyer of Carver Hall and gets the building ready for another day of heavy traffic. The extra sand and salt needed this winter to keep building entrances safe and clear of snow and ice periodically created sandbox-like situations for Hedlund and his colleagues. *Photo by Bob Elbert.*

Feb. 25, 2010

Green campus projects reap rewards

by Diana Pounds

One team built a solar home on the National Mall in Washington, D.C. Another turned a small recycling experiment into a full-blown, residence-wide program in a few months. Still another brought local produce into campus dining centers and diverted hundreds of tons of food waste from landfills.

All three teams were honored Wednesday with Live Green Excellence Awards during ISU's Symposium on Enhancing Sustainability. The awards recognize teams or individuals who are making an impact on campus sustainability efforts.

Winning awards in the first year of competition were the house-building Solar Decathlon Interlock Team, the student-staff residence team dubbed the GreenHouse Group and members of the ISU Dining team.

"We had a spectacular group of nominees for the awards," said director of sustainability Merry Rankin. "Across Iowa State, people are finding new ways to make this a more sustainable campus and the teams nominated for this year's awards are among the leaders."

Award winners

- **Solar Decathlon Interlock House:** For three weeks in October 2009, a solar house designed and built at Iowa State sat on the National Mall in Washington, D.C. The ISU team was among 20 teams selected by the U.S. Department of Energy for an international competition in sustainable home building. The ISU team, which included faculty and some 200 students, developed and built an 800-square foot dwelling completely powered by the sun. The solar house has found a permanent home at Honey Creek Resort State Park at Rathbun Lake in southern Iowa.
- **The GreenHouse Group:** The GreenHouse Group got its start when a small group of students approached department of residence staff about starting a recycling program in campus residence halls and apartment communities. By **spring of 2009**, residents in selected areas of student housing were tossing paper, cardboard and plastics into new banks of recycling bins. A few short months later, the successful pilot project had grown into a full-fledged program in all residence halls and apartment communities. In addition to managing the recycling project, the group seeks out other projects to promote sustainability in campus housing.
- **ISU Dining:** Sustainability has been on ISU Dining's menu for some time. The Farm to ISU program, begun in 2007, promotes the purchase of local foods. Trayless dining encourages diners to reduce food waste and saves water, energy and cleaning supplies. And by sending food waste, napkins and containers to the ISU composting facility, ISU Dining diverts waste from a landfill and food particles from the water supply.

Other nominees

- **Green cleaning policy:** As part of facilities planning and management's green cleaning policy, staff aim to conserve energy, water and other resources and use cleaning products that are certified as "green" or made with recycled materials. One telling example of FPM's green success is its annual purchase of nearly 900 mop heads made from 100 percent recycled plastic pop

Surprise!

The Live Green awards committee sprang a couple of surprise awards on

bottles. Use of recycled mop heads keeps an estimated 3.6 million j landfills and saves 980,000 gallons of gasoline and 4,000 tons of greenhouse gas.

- **Iowa-Missouri Green Team:** In 2008, Extension staff in southeast Iowa joined forces with their counterparts in Missouri to train their staff in sustainability issues. The goals of the Iowa-Missouri Green Team were to help Extension offices become models for sustainability, and to share information and ideas with clients throughout the two states. The team set a green tone in its first in-service training, using an online network to deliver the session to participants through their personal computers.
- **Library sustainability task force:** With the formation of a sustainability task force in early FY09, library staff kicked up conservation efforts a notch. A few months later, staff had completed several energy-saving projects in the facility, undertaken conservation measures in their own office spaces and developed an extensive plan for the future (including a 94-item sustainability "to-do" list).
- **Reiman Gardens:** With 18,000 plants, flowers and trees on its 14-acre site, Reiman Gardens improves air quality. But the gardens nurture sustainability in many other ways. Environmental controls reduce the use of heat, cooling and water in all glass houses, saving an estimated 20 percent in energy costs. Gardens staff also use capillary mats to reduce watering; compost organic garden materials; collect and recycle glass, paper, cans, and more; use biodegradable, non-petroleum-based cleaning products; sponsor a program to grow and donate food to food pantries; co-sponsor Ames' annual "Stash the Trash" program; and provide educational information to visitors on green practices.
- **University compost facility:** The University compost facility, managed by the College of Agriculture and Life Sciences, was designed to handle up to 15,000 tons of material per year. In addition to manure from the dairy farm and other animal facilities, the compost site can accommodate waste from biomass research, plant materials and food waste from ISU dining. Completed compost, which is approximately 12 weeks in the making, is used to create enriched soils around campus.

inhabitants of two campus.

Kildee Hall received a special award for notching energy savings of 23 percent from June through December of 2009.

A second award went to Parks Library, for a whopping 65 percent reduction in energy use over winter break 2009. Staff at the library gave thermostats an extra downward twist during the break, which contributed to energy savings of \$1,000 per day.

Feb. 25, 2010



Jack Worthing (Caleb Woodley) must overcome his web of lies and the disapproval of Lady Bracknell (Kelly Teitsworth) as he pursues his true love. *Photo by Patrick Gouran.*

Being earnest about Ernest

by Erin Rosacker

ISU Theatre opens its spring semester lineup with a production of the Oscar Wilde comedy, *The Importance of Being Earnest*. The show begins its two-weekend run Feb. 26 at Fisher Theater.

The three-act play follows the complications that country gentleman Jack Worthing (senior Caleb Woodley) encounters thanks to Ernest, his fictional London alter ego. As Ernest, Jack finds his true love in Gwendolen Fairfax (senior Tawnee Rebhuhn) and a best friend in her cousin Algernon Moncrieff (senior Don Watts). It's when Jack finally decides to reconcile his two lives that things really begin to get interesting, and twists to the tale hold surprises along the way.

"It's witty," said Jane Cox, department chair and director of the production. "The comedy comes through the dialogue. It's a nice way to have an evening of fun."

Show times for *The Importance of Being Earnest* are 7:30 p.m. on Fridays and Saturdays; and 2 p.m.

on Sundays, from Feb. 26 through March 7. Tickets, available at the Iowa State Center ticket office or through **Ticketmaster**, are \$15 for adults, \$13 for seniors and \$8 for students.

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