

# Local

Ohio health centers receive grants B2

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## HIGHER EDUCATION

### Sinclair, UD get \$200K grant

Federal grant will be used to expose students to nanotechnology.

By Meagan Pant  
Staff Writer

DAYTON — The University of Dayton and Sinclair Community College are using a \$200,000 federal grant to expose high school and undergraduate students to the field of nanotechnology.

Jobs are returning to the U.S. in nanotechnology manufacturing, often to create computer chips.

"A lot of these companies are starting to come back to the United States, but we need the workforce," said Andrew Sarangan, associate director of the University of Dayton electro-optics graduate program.

Sarangan and Surinder Jain, coordinator of Sinclair's Engineering University Transfer program, over the next two years will develop and implement a program to connect high schools with industry partners, offer learning activities that include interactive laboratory and clean room experiences, provide workshops for high school science teachers and create nanotechnology internship opportunities.

UD and Sinclair received the \$200,000 grant from the National Science Foundation.

"We are building a platform that brings laboratories to the classroom in as much real life as possible through advanced internet communications," Sarangan said.

"The students will have as near a real life experience as one could possibly offer without really entering the lab," he said.

Sarangan said nanotechnology courses are not typically offered at the undergraduate level because of the high expense of equipment, which can cost \$500,000 for one piece.

"It's resource intensive," he said. He said UD and Sinclair will create an undergraduate concentration in engineering in nanotechnology, which will prepare people for the workforce and interest them in pursuing more advanced degrees.

They will also offer a weeklong summer workshop for high school science teachers June 25-29 on the University of Dayton campus to offer lessons they can take back to their own classrooms.

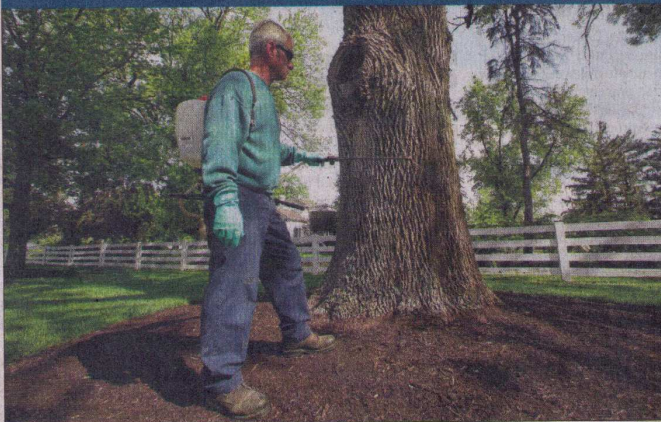
Eligible participants will also receive one graduate credit from the University of Dayton.

For more information, call Sarangan at (937) 229-3190 or Jain at (937) 430-1780.

**"The students will have as near a real-life experience as one could possibly offer without really entering the lab."**

Andrew Sarangan  
University of Dayton

## Complete coverage Emerald ash borer



Scott Cline, a park services worker with the Kettering Parks, Recreation and Cultural Arts Department, demonstrates at Polen Farm how the city has treated about 200 ash trees since 2007 to protect against the emerald ash borer. STAFF PHOTOS BY CHRIS STEWART

### Area cities, Wright State work to save ash trees

Infestation in area trees prompts city officials to inject insecticide.

By Terry Morris  
Staff Writer

KETTERING — A few years ago, it was a foregone conclusion that Ohio's millions of ash trees would fall to the emerald ash borer.

Losing them to the insect or cutting them down in advance of the inevitable are no longer the only options.

The city of Kettering, which has been chemically protecting 200 of the approximately 1,500 ash trees that grow in parks and on other city properties since 2008, is wrapping up the 2012 treatments in locations including Polen Farm, Indian Rifle Park, Ireland Park and the grounds of the government center.

Parks supervisor Mike Fleener said the prognosis for saving the trees has improved, and the cost of doing so has come down.

The city spends about \$3,000 a year for a chemical that is sprayed on the trunks of ash



The emerald ash borer leaves grooves inside ash trees.

trees to repel the borers.

"The way we do this is relatively quick and has a low impact, which is important because we are working in public areas," Fleener said.

The borer has arrived in Kettering.

"We just took down a tree in one of our parks that showed every sign of the infestation," Fleener said.

In neighboring Oakwood,

which will spend about \$30,000 in 2012 to inject more than 500 trees with a systemic insecticide, "we have not had any evidence of EAB. I know it's getting closer," said Carol Collins, director of leisure services.

Injections were delayed by cold weather, "which would have made the uptake slower," she said.

Ash trees continued on B2

## CENTRAL STATE

### CSU seeking bids for fire, medic services

Xenia Twp. to end free services, so school is forced to look elsewhere.

By Amelia Robinson  
Staff Writer

WILBERFORCE — Central State University may soon contract out all or a portion of its fire and medic services.

The university in March issued requests for bids to area communities after Xenia Twp., in a letter dated Feb. 2, said it was no longer able to provide free emergency services to CSU.

"Equipment is expensive. Personnel is expensive. Taxpayers (in Xenia Twp.) are the ones covering the bills," trustee board chairman Jim Reed said, noting that a face-to-face meeting followed the letter. "We want to do everything we can (to help), but

we also have an obligation to our taxpayers."

In 2010, Xenia Twp. responded to 197 calls to CSU. It responded to 254 in 2011.

Xenia Twp. had a total of 1,088 fire and medic runs in 2011, township administrator Alan Stock said.

The township receives about \$2,529 from the Ohio Board of Regents for emergency services, according to the letter to CSU.

"One tire (for fire equipment) costs more than \$2,500," Reed said.

The township has not had a contract with the university for three years.

It had a mutual aid agreement before that. Reed said the university has received millions of dollars in free EMS and fire services the past 16 years.

Central State continued on B2

## FAIRBORN

### Fairborn to city manager

Four-year contract will include a raise of more than \$4,000.

By Steven Matthews  
Staff Writer

FAIRBORN — Fairborn City Council will vote tonight on a four-year contract for City Manager Deborah McDonnell.

If the resolution is approved by council, McDonnell, 54, will receive a \$4,388 raise, bringing her annual salary to \$116,438 according to a draft of the contract obtained by the Dayton Daily News. Her vehicle allowance also would increase from \$5,000 to \$6,000.

McDonnell, who started in 2007, initially received a two-year contract, then a three-year contract that expired April 30. There was a rollover clause in that c