

# Youngstown STATE UNIVERSITY

Office of Marketing and Communications  
Youngstown State University  
One University Plaza  
Youngstown, Ohio 44555

Non-Profit Org.  
U.S. Postage  
**PAID**  
Permit 264  
Youngstown, Ohio

# YSUupdate

YOUNGSTOWN STATE UNIVERSITY

February 26, 2007

## WYSU-FM takes the leap to HD broadcasting

No more static, hiss, pops or fades. WYSU-FM 88.5 has gone HD.

The public radio station, operated by Youngstown State University, recently began broadcasting in high definition, a new technology that broadcasts crystal clear, CD-quality sound. WYSU-FM is among only a handful of radio stations in the Mahoning Valley that have made the switch to HD.

"We're constantly looking for ways to maintain excellent service to a very supportive audience," said Ron Krauss, WYSU chief engineer. "By pursuing state-of-the-art technology like HD, it is one more opportunity to further enhance those services."

David Luscher, program director, said HD is already taking a strong hold in the television broadcasting market, and it is only a matter of time before HD radio follows suit.

"The broadcast industry has been slowly but surely moving towards HD technology for some time now," he said. "Eventually, the transition will be complete and analog broadcasting will be a thing of the past."

Luscher said that WYSU listeners will need an HD radio to receive the new, higher-quality signal. HD radios are now available at most major electronic retailers. Listeners without an HD radio will continue to receive the regular WYSU analog signal.

WYSU's switch from analog to HD started in 2003 and cost about \$190,000, culminating with the move to a new HD transmitter in December. Gary Sexton, station director, said WYSU was able to secure significant local funding from the Raymond J. Wean Founda-

tion, as well as a \$75,000 Corporation for Public Broadcasting Digital Grant. An additional \$38,000 came from the

*continued on back page*



Announcer Mike Cervone, right, and broadcast engineer Ron Krauss stand in the studio at WYSU-FM in Cushwa Hall. The public radio station operated by YSU recently began broadcasting in high definition.

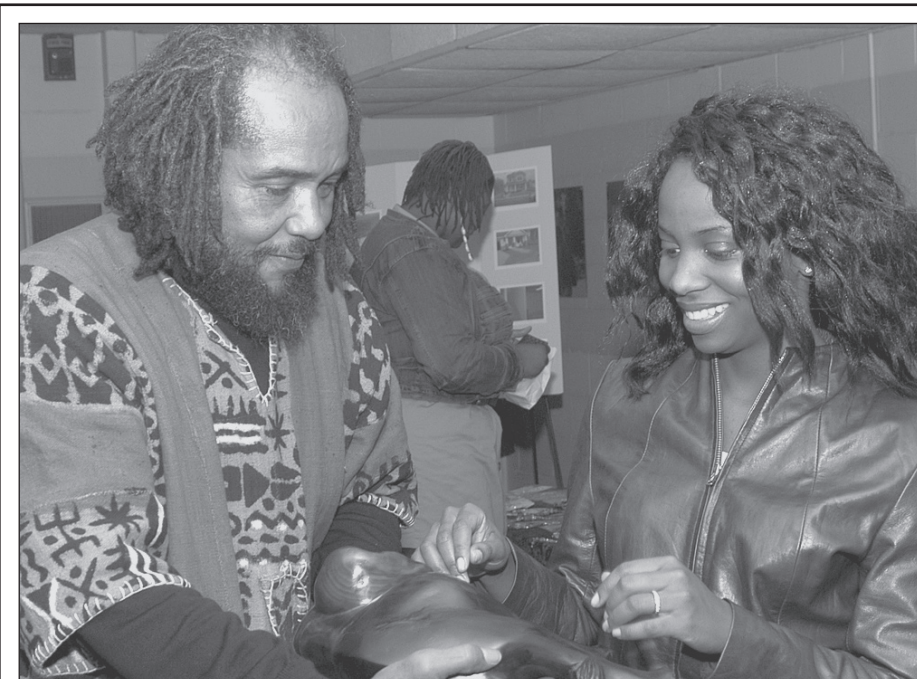
### WYSU-FM (continued from page 1)

2005 Power Run Campaign, in which individuals made pledges for Sexton's 50-mile race in Michigan.

HD radio broadcasting is hailed by many in the industry as the most significant advancement in radio broadcasting since the introduction of FM stereo more than 50 years ago. The technology offers dramatically higher quality audio, far more programming choices and new wireless data services.

Luscher said HD also will eventually offer the possible addition of a second parallel station for WYSU, giving the listener a choice in programming. In addition, HD radio includes Meta-Data, which means that information such as song titles, artists, program information and even weather conditions will be displayed automatically on the radio screen.

There are currently more than 1,100 HD radio stations in the nation, including nearly 60 in Ohio. The number of stations nationally is expected to grow to more than 3,000 in the next few years. Automakers also are catching the HD radio bug, including HD radios in their vehicles. BMW announced recently that it will offer a factory-installed HD radio as an option across its entire 2007 product line. ■



### African Marketplace

Rico Baker of Rico Schele Imports shows a piece of art to Eboni Tate at the African Marketplace on Feb. 3 in Kilcawley Center. The Marketplace featured art vendors, the Harambee Youth Group and the Drum Circle of the Unity Building of Youngstown. The Marketplace was among several events scheduled in February at YSU in celebration of African American History Month.

### Spring Enrollment

*(continued from page 1)*

or 38 percent. Minority students now make up 16 percent of the university's enrollment, up from 11 percent in 2001.

A rundown of enrollment is available under the Campus Facts link on the Web site of the YSU Office of Institutional Research at <http://www.ysu.edu/institutional-research/>. ■

## Spring semester enrollment highest since 1994

Spring enrollment is the highest it has been in 13 years.

Headcount enrollment – the actual number of students on campus – is 12,502 this semester, up by 310 students or 2.5 percent from 12,192 in spring semester 2006.

It's the highest spring semester enrollment since 1994, when there were 12,854 students on campus. Since spring semester 2001, enrollment is up by 1,347 students or 12.1 percent.

Full-time equivalent enrollment also is up, from 9,660 last spring semester to 9,847 this spring, a 1.9 percent increase.

Tom Maraffa, special assistant to the president, said that spring enrollment is relatively predictable and is largely dependent on fall semester enrollment. Spring enrollment this year is about 95 percent of fall enrollment, or about the same ratio as the previous year.

"It's good news," he said. "It's right where it should be."

The number of minority students increased nearly 7 percent, from 1,868 last spring to 1,996 this spring semester. Since spring semester 2001, minority enrollment has jumped by 759 students

### Enrollment...

YSU spring semester enrollment:

Year	Total	Minority
2007	12,502	1,996
2006	12,192	1,868
2005	12,396	1,764
2004	12,360	1,619
2003	12,215	1,550
2002	11,833	1,473
2001	11,155	1,237

Source: YSU Office of Institutional Research

*continued on back page*

## Art prof's new book focuses on 'Palaces and Power'

Patricia Sarro started out on a pretty traditional path.

Born and raised in New Jersey, daughter of a bus driver, Sarro graduated from high school, went to college at Fordham University in New York, got a degree in English and, like so many women of the early 1970s, settled in for a long career as a teacher.

But after six years of teaching English literature in high schools in Newark, N.J., and later Kansas City, Sarro's life took a turn south – way down south.

In her late 20s, Sarro packed up and moved to Venezuela to teach English.

"I knew nothing of South America when I took the job in Caracas," said Sarro, now an associate professor of art at YSU. "I wanted a change. I wanted to travel. I guess I wanted adventure."

It was in South America that Sarro found her true, hidden love – art history.

"There is something so eye-opening about actually living in a different culture in ways that are so subtle," she said. "Being an outsider is an amazing vantage point. You can learn so much from that angle."

Today, 28 years and a Ph.D. later, Sarro is considered a leading expert in the history of Precolumbian and Mesoamerican art.

Her research focuses on the architecture and sculpture of Ancient Mesoamerica, particularly in the cities of Teotihuacan in central Mexico and El Tajin on the Gulf Coast.

She recently co-edited a highly-touted collection of academic articles, published by the University of Texas Press, on American archeology, art history, architectural theory and social anthropology.

"Palaces and Power in the Americas: From Peru to the Northwest Coast" is

co-edited by Jessica Christie, assistant professor of art history at East Carolina University, and features an article by Sarro titled "Rising Above: The Elite Acropolises of El Tajin."

Nikolai Grube, director of the Department of American Anthropology at the University of Bonn, calls the book a "major contribution to American archaeology and related fields" that is "a standard reference for everybody interested in elite residential architecture of the Ancient New World."

Sarro said her stay in South America between 1978 and 1983 was the main source of inspiration for her field of study.

"I came out of those five years with a fascination with the arts and architecture of ancient cities from Mexico to

Bolivia," she said. "Such beautiful and impressive places and objects, and such a fascinating puzzle."

After returning from South America, she attended Columbia University in New York, and in 1995 earned a Ph.D. in Precolumbian and Latin American art. While writing her dissertation, she

Patricia Sarro

worked in the education departments of the Brooklyn Museum of Art and the Metropolitan Museum of Art.

Before coming to YSU in 1996, she taught at Montclair State University. Sarro, who also earned a master's degree in English from the University of Missouri, said YSU has been a positive experience for her because many students come from backgrounds similar to hers. And, she said, they are still in the process of opening up to new and exciting ideas and opportunities that exist outside of their every day experiences.

She is currently on sabbatical from YSU, working on an analysis of the mural paintings of Teotihuacan. She also is in the initial stages of writing a survey of Mesoamerican art. ■

### eUpdate exclusives

For more news about YSU, read these and other stories in eUpdate at <http://eupdate.ysu.edu>.

- **The Ohio Board of Regents has offered state policymakers several bold ideas which Regents believe will improve affordability, accountability and efficiency of higher education. The proposal includes changes to the general powers and duties of the Board of Regents for additional authority such as setting tuition policy, withdrawing degree/program approval and consolidating academic programs.**
- **A senior in YSU's respiratory care program, received the top scholarship from the Lambda Beta Society at the American Association for Respiratory Care International Respiratory Congress in Las Vegas.**
- **The YSU Board of Trustees schedules regular quarterly meetings on Feb. 27, March 1 and 16.**
- **Campus News Roundup includes photos of activities across campus, including events to make students and employees more aware of HIV/AIDS, homelessness and financial aid.**

## Faculty & Staff

**Louise Aurilio**, associate professor, Nursing, wrote "Medical Alterations in Women during Adolescence and Adulthood," a chapter in the text book *Maternity, Newborn, and Women's Health Nursing: Comprehensive Care Across the Lifespan*, published by Lippincott, Williams and Wilkins.

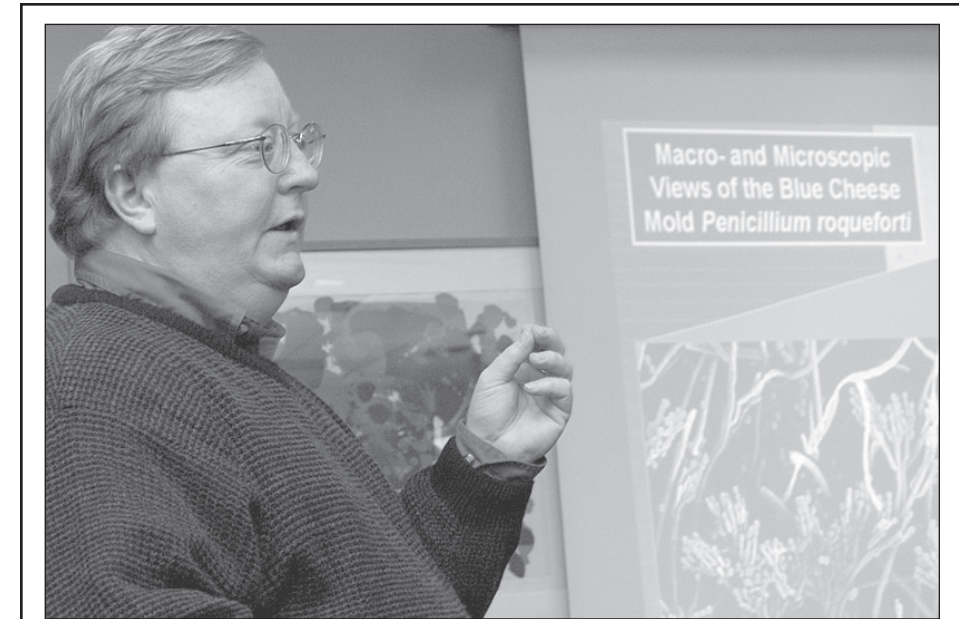
**Sherri Lovelace-Cameron**, associate professor, Chemistry, and **Jill Gifford**, assistant professor, Biological Sciences, received an award of \$77,470 from the Ohio Board of Regents' Improving Teacher Quality program for their proposal "Using Inquiry to Teach Physical and Life Science for Ohio Educators."

**James J. Carroll**, professor, Physics, provided an invited briefing on research by the YSU Isomer Physics Project to the Defense Threat Reduction Agency in Ft. Belvoir, Va. in December 2006. In January, Carroll gave a plenary talk on "Studies of Nuclear Isomer Depletion" at the 37th Winter Colloquium on the Physics of Quantum Electronics in Snowbird, Utah.

**Janet E. Del Bene**, professor emeritus, Chemistry, co-authored "An Ab Initio Study of Hydrogen Bonding and Proton Transfer in 3:1 FH:NH<sub>3</sub> and FH: Collidine Complexes: Structures and One- and Two-Bond Coupling Constants across Hydrogen Bonds," which was published in a 2006 issue of *The Journal of Physical Chemistry*.

**Gunapala Edirisooriya**, professor, Educational Foundations, Research, Technology and Leadership, presented "A Comparison of Alternative Methods of Generating Respondents' Opinions" at the American Educational Research Association Annual Meeting in San Francisco.

**Kathlynn Feld**, professor, Health Professions, presented "Patient Compliance through Patient Education" at the 44th Annual Meeting of the Ohio State Society of Medical Assistants in Toledo.



### 'Penicillium marneffeii'

Chet Cooper, professor of biological sciences, talks about his research in proteomics at a forum in Kilcawley Center. The presentation was sponsored by Sigma Xi, the honorary scientific research society. Cooper's talk was titled "Coming Full Circle: The Merging of the Genome and Proteome of The Pathogenic Fungus, *Penicillium marneffeii*" and is based on current research of the YSU Proteomics Research Group, funded by the National Science Foundation.

**Gabriel Palmer-Fernandez**, professor, Philosophy and Religious Studies, and director, Dr. James Dale Ethics Center, gave the following lectures at the First Presbyterian Church of Sharon, Pa.: "History of Teaching Ethics at American Colleges and Universities," "Professional Ethics and the Moral Self" and "Organizational Integrity and Corporate Ethics."

**Frank X. Li**, assistant professor, Electrical and Computer Engineering, had the article "Surface Electron Spin Resonance Study on Ruby Crystal Using Evanescent Microwave Microscopy Techniques" in *The IEEE Sensor Journal*, the top-tier journal in electrical and electronics engineering.

**Sherry Linkon**, professor, English and co-director, Center for Working-Class Studies, led three workshops on interdisciplinarity teaching and scholarship of teaching and learning at Vanderbilt University, an internationally recognized research university in Nashville, Tenn. She is serving as a consultant for Vanderbilt's Music, Religion and the South

(MURES0) project, providing advice on interdisciplinary and pedagogy for faculty and graduate students working on new courses and programs that emphasize intersections among music, religion, and Southern culture.

**Mustansir Mir**, director, Center for Islamic Studies and professor, Philosophy and Religious Studies, has had his article "The Qur'an, the Word of God" published in volume 1, *Voices of Tradition*, of the series *Voices of Islam*, edited by Vincent J. Cornell. The series was published by Praeger in 2007.

Prentice Hall Health published the third edition of "Advanced Medical Life Support" by **Joseph Mistovich**, chair and professor, Health Professions. The book, which was recently released, is used internationally in conjunction with the Advanced Medical Life Support course.

The *Journal of Mathematical Analysis and Applications* published "Plasticity in Metric Spaces" by **Zbigniew Piotrowski** and **Eric J. Wingler**, professors, Mathematics and Statistics. ■

## Youngstown STATE UNIVERSITY

The *YSUupdate* is published every other week during the academic year and once a month in the summer by the Office of Marketing and Communications.

**Update Editor:** Ron Cole  
**Printing:** YSU Printing Services

Marketing and Communications  
133 Tod Hall, Youngstown, Ohio 44555-3519

racole01@ysu.edu 330-941-3519  
8-003

# YSUupdate



# Youngstown STATE UNIVERSITY

Office of Marketing and Communications  
Youngstown State University  
One University Plaza  
Youngstown, Ohio 44555

Non-Profit Org.  
U.S. Postage  
**PAID**  
Permit 264  
Youngstown, Ohio

YOUNGSTOWN STATE UNIVERSITY

February 26, 2007

## WYSU-FM takes the leap to HD broadcasting

No more static, hiss, pops or fades. WYSU-FM 88.5 has gone HD.

The public radio station, operated by Youngstown State University, recently began broadcasting in high definition, a new technology that broadcasts crystal clear, CD-quality sound. WYSU-FM is among only a handful of radio stations in the Mahoning Valley that have made the switch to HD.

"We're constantly looking for ways to maintain excellent service to a very supportive audience," said Ron Krauss, WYSU chief engineer. "By pursuing state-of-the-art technology like HD, it is one more opportunity to further enhance those services."

David Luscher, program director, said HD is already taking a strong hold in the television broadcasting market, and it is only a matter of time before HD radio follows suit.

"The broadcast industry has been slowly but surely moving towards HD technology for some time now," he said. "Eventually, the transition will be complete and analog broadcasting will be a thing of the past."

Luscher said that WYSU listeners will need an HD radio to receive the new, higher-quality signal. HD radios are now available at most major electronic retailers. Listeners without an HD radio will continue to receive the regular WYSU analog signal.

WYSU's switch from analog to HD started in 2003 and cost about \$190,000, culminating with the move to a new HD transmitter in December. Gary Sexton, station director, said WYSU was able to secure significant local funding from the Raymond J. Wean Founda-

tion, as well as a \$75,000 Corporation for Public Broadcasting Digital Grant. An additional \$38,000 came from the

*continued on back page*



Announcer Mike Cervone, right, and broadcast engineer Ron Krauss stand in the studio at WYSU-FM in Cushwa Hall. The public radio station operated by YSU recently began broadcasting in high definition.

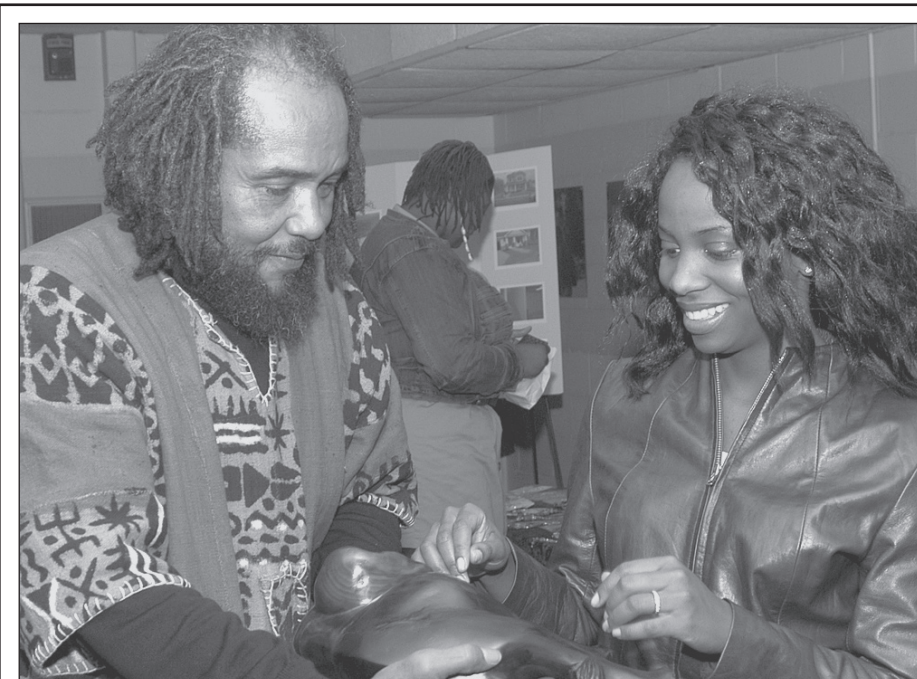
### WYSU-FM (continued from page 1)

2005 Power Run Campaign, in which individuals made pledges for Sexton's 50-mile race in Michigan.

HD radio broadcasting is hailed by many in the industry as the most significant advancement in radio broadcasting since the introduction of FM stereo more than 50 years ago. The technology offers dramatically higher quality audio, far more programming choices and new wireless data services.

Luscher said HD also will eventually offer the possible addition of a second parallel station for WYSU, giving the listener a choice in programming. In addition, HD radio includes Meta-Data, which means that information such as song titles, artists, program information and even weather conditions will be displayed automatically on the radio screen.

There are currently more than 1,100 HD radio stations in the nation, including nearly 60 in Ohio. The number of stations nationally is expected to grow to more than 3,000 in the next few years. Automakers also are catching the HD radio bug, including HD radios in their vehicles. BMW announced recently that it will offer a factory-installed HD radio as an option across its entire 2007 product line. ■



### African Marketplace

Rico Baker of Rico Schele Imports shows a piece of art to Eboni Tate at the African Marketplace on Feb. 3 in Kilcawley Center. The Marketplace featured art vendors, the Harambee Youth Group and the Drum Circle of the Unity Building of Youngstown. The Marketplace was among several events scheduled in February at YSU in celebration of African American History Month.

### Spring Enrollment

(continued from page 1)

or 38 percent. Minority students now make up 16 percent of the university's enrollment, up from 11 percent in 2001.

A rundown of enrollment is available under the Campus Facts link on the Web site of the YSU Office of Institutional Research at <http://www.yсу.edu/institutional-research/>. ■

## Spring semester enrollment highest since 1994

Spring enrollment is the highest it has been in 13 years.

Headcount enrollment – the actual number of students on campus – is 12,502 this semester, up by 310 students or 2.5 percent from 12,192 in spring semester 2006.

It's the highest spring semester enrollment since 1994, when there were 12,854 students on campus. Since spring semester 2001, enrollment is up by 1,347 students or 12.1 percent.

Full-time equivalent enrollment also is up, from 9,660 last spring semester to 9,847 this spring, a 1.9 percent increase.

Tom Maraffa, special assistant to the president, said that spring enrollment is relatively predictable and is largely dependent on fall semester enrollment. Spring enrollment this year is about 95 percent of fall enrollment, or about the same ratio as the previous year.

"It's good news," he said. "It's right where it should be."

The number of minority students increased nearly 7 percent, from 1,868 last spring to 1,996 this spring semester. Since spring semester 2001, minority enrollment has jumped by 759 students

### Enrollment...

YSU spring semester enrollment:

Year	Total	Minority
2007	12,502	1,996
2006	12,192	1,868
2005	12,396	1,764
2004	12,360	1,619
2003	12,215	1,550
2002	11,833	1,473
2001	11,155	1,237

Source: YSU Office of Institutional Research

*continued on back page*