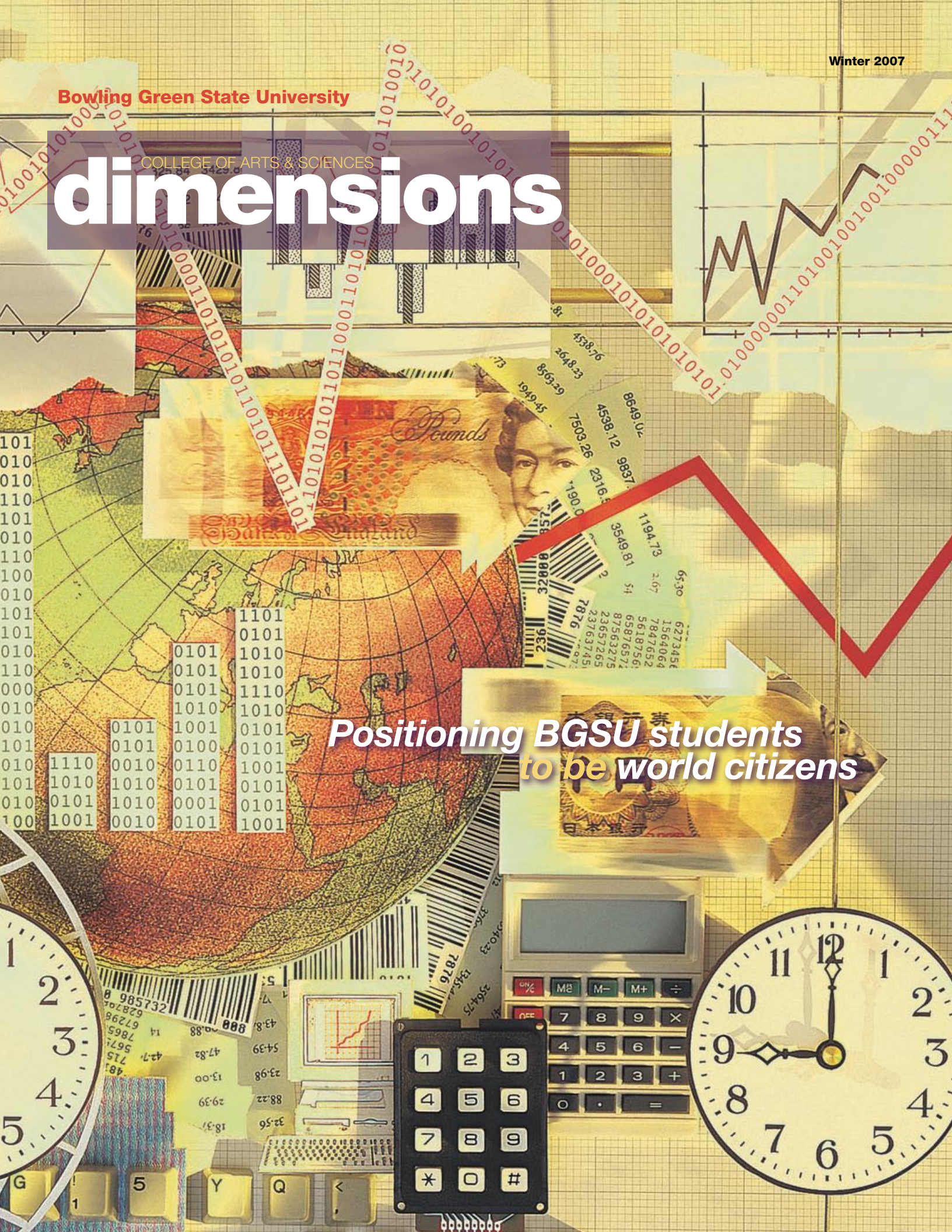


COLLEGE OF ARTS &amp; SCIENCES

COLLEGE OF ARTS & SCIENCES  
**dimensions**



**Positioning BGSU students  
to be world citizens**







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# COLLEGE OF ARTS & SCIENCES dimensions

WINTER 2007

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## DEAN'S PERSPECTIVE

**I**n August, we welcomed BGSU's Class of 2010 to campus. These students will hit the prime of their careers in 2030, and most will remain active in the work force until at least 2050. That's a sobering thought. How can we provide these young women and men with an education that prepares them for the rapidly changing world they will confront when they leave campus in four or five years, much less the world of mid-century?

We know that members of the Class of 2010 will work in a highly interdependent global economy and confront challenges that are truly global in scope—from diminishing supplies of fossil fuels, climate change and nuclear proliferation to hunger, religious and ethnic conflict, and human rights. They will face intense competition from well-educated professionals and entrepreneurs in “developing” countries like India, China and Mexico, as well as those in Europe and Japan. But in addition to competition, they will enjoy rich opportunities for economic, intellectual, scientific, cultural and humanitarian collaborations that open new possibilities for human progress on a global scale.

To flourish in the 21st century, students must think globally and be prepared to work with people from diverse cultures. That means challenging stereotypes, taking an interest in other cultures, understanding the world from the perspective of others, and admitting that we have as much to learn as we have to teach. In addition, more of our graduates must study mathematics and science if they—and we as a nation—are to continue to prosper at a time when science drives innovation in the global knowledge economy. But whether or not they pursue majors in science and mathematics, all of our graduates must be ready to adapt to change, willing to learn new skills, open to new ways of thinking, able to communicate and think clearly, and ready to work collaboratively with individuals whose culture, language and values may differ from their own.

While this is a tall order, I am confident that faculty in the College of Arts & Sciences are offering BGSU students an education that not only prepares them to work in a global economy but also challenges them to become global citizens who will help solve critical problems facing humanity. A liberal arts education has long been the key to opening students' minds, introducing them to diverse perspectives, developing critical thinking skills and gaining the ability to communicate clearly with varied audiences, and—perhaps, most important—instilling curiosity and a passion for learning.

Arts & Sciences faculty members remain true to this powerful vision as they develop innovative ways to help today's undergraduates embrace it. The college prides itself on its commitment to small classes in which outstanding faculty challenge students using active learning strategies that encourage them to ask questions, solve problems, debate the virtues of different ideas and approaches, and, generally, take responsibility for their own learning. Our emphasis on internships, service learning and community-based research is encouraging students to work collaboratively—with other students, professionals and members of the community—and apply what they learn to real-world problems. And, through BGeXperience, our faculty are helping all BGSU students reflect on their values, understand the values of others—especially those with whom they differ—and develop the skills and dispositions to make thoughtful judgments about moral and ethical issues. Our goal is to educate critical and constructive thinkers who are ethically aware, inspired to learn, adept at working with others to solve problems, and able to respect and work with those who share different values and perspectives.

In addition to this general orientation, the College of Arts & Sciences offers strong and innovative programs designed to prepare students for life in a more interdependent world. You'll read about some of these programs—as well as the students and faculty who make them truly outstanding—in this issue of *Dimensions*. From a timely conference on global competitiveness run by our students, a vibrant Model United Nations program and a new Global Village learning community, to cutting-edge interdisciplinary research in photochemical sciences and new approaches to preparing future math and science teachers, I think you'll be pleased to learn that we are helping students address the critical challenges of our time and preparing them to confront those that we can see only dimly.

Although these stories will help keep you abreast of some of the exciting developments in the college, there is no substitute for a visit to campus to see first hand the rich opportunities we offer students. I hope you are able to make it back to BGSU during the coming year—for a play, a lecture, an exhibit or a sporting event—and that our paths cross during your visit.



**Dr. Donald G. Nieman**





# POSITIONING BGSU STUDENTS *to be* WORLD CITIZENS

***'Are we losing our edge?'***

***'Young Americans geographically illiterate, survey suggests.'***

***'Is America flunking science?'***

As recent headlines attest, the United States is irrevocably entangled in complex international issues and problems that will shape our country's future prosperity and security within an increasingly global economy. At the same time, many surveys indicate that U.S. citizens are alarmingly uninformed about other countries and cultures. Consider some of the findings of the 2006 National Geographic-Roper Survey of Geographic Literacy of young Americans between the ages of 18 and 24:

- > Only 37 percent of young Americans can find Iraq on a map—though U.S. troops have been there since 2003.
- > 20 percent of young Americans think Sudan is in Asia. (It's the largest country in Africa.)
- > 48 percent of young Americans believe the majority population in India is Muslim. (It's Hindu—by a landslide.) These results suggest that young people in the United States—the most recent graduates of our educational system—are unprepared for a global future. The international knowledge gap has been identified as one of today's most urgent problems in education. If the U.S. hopes to compete within a sophisticated international marketplace and take a meaningful role in solving critical and complex world problems, today's students must develop a better understanding of the world.

## ***Challenging the headlines***

More and more, students at BGSU are making choices that reflect an understanding of a complex, interdependent world, and faculty are providing them with rich opportunities and experiences. From studying abroad to seeking international activities on campus, to taking part in undergraduate research projects with international colleagues, to becoming a National Model United Nations delegate, students are learning about the world beyond our borders. These experiences, whether at home or abroad, influence how our students perceive the world and their place in it.

It's not just a lofty academic ideal to provide students with an international education. With as many as one in six U.S. jobs tied to international trade, it is predicted that future growth in many industries will be in overseas markets. To succeed in this global climate, our students must gain international knowledge and skills. Myriad world problems such as terrorism, nuclear proliferation, access to education and health care and environmental degradation, as well as increased diversity in our schools and workplaces also underscore the need for global knowledge.

In the following pages you will read about a number of programs that illustrate how BGSU is challenging the current headlines and proving that it is out in front when it comes to placing an emphasis on international education and positioning students to be world citizens—well informed, culturally sensitive and ready for a global future.



*Student initiative  
encourages  
global competition,  
collaboration*



**JAKE GALLARDO, A SENIOR MAJORING IN INTERNATIONAL STUDIES**, aspires to a top diplomatic position within his native country of the Philippines and would also like to start his own company. He says that pursuing a degree at an American university will help him achieve his dreams and he is very grateful for the scholarship support that allows him to be a BGSU student. He explains, "In order to best serve my country diplomatically, I need to understand other countries' philosophies, motivations and cultures."

In appreciation of the opportunity to study at BGSU, Gallardo wants to give something back to the campus community. His gift is a wake-up call to fellow BGSU students about the global competition they will face when they graduate. When Gallardo first arrived at the University, he was shocked to find that most U.S. citizens don't have a passport. He says, "In a way, I can understand why many people in the U.S. aren't as interested in traveling abroad and understanding other cultures. They sometimes think, 'We don't have to care about the rest of the world, because the rest of the world aspires to be like us.'"

Gallardo cautions that this philosophy is misguided on several counts, especially for students. He states, "First, it is true that many people throughout the world admire the spirited marketplace, capitalistic success and freedom of expression found in the U.S. In fact, students across the globe admire these traits so much that they are working—much harder than many U.S. students—to grab them. In short, these highly educated and motivated people are BGSU students' competition, and they are determined to win."

Today's students don't just have competition from other students across the globe; the very jobs they want may only exist in other countries. Gallardo explains, "Many U.S. companies have moved production to countries such as China, South Korea and India. Additionally, many countries are investing heavily in the basic research that precedes invention, while U.S. governmental and business funding for basic research has been declining for decades."

Even beyond competition, for Gallardo there is the wonder of the global community. He says, "There is such a big, beautiful world out there with so much to see and do. You simply cannot get a true sense of the possibilities in a classroom. You must see, feel, taste, speak, explore and immerse yourself in other countries and cultures."

To help BGSU students appreciate the complexities and opportunities of a global community, Gallardo spearheaded the BGSU Conference on Students Global Competitiveness held on campus Jan. 18-19, 2007. The conference goal—to inspire, motivate and encourage students to compete and collaborate globally.

Victor Massaquoi, a Ph.D. student in communication studies and a member of the Committee on Global Competitiveness, says, "This student initiative is a wonderful way to facilitate cross-cultural education. Students from Brazil, Russia, Uzbekistan, the Philippines and Africa worked together to organize the conference, so I am learning about many cultures and ideas. I am from Africa myself, but have even gained insights about other African countries beyond my home country of Sierra Leone. Despite today's worldwide political conflicts, competitive business climate and cross-cultural misunderstandings, this conference gives me hope. If young scholars and professionals decide to work together, with mutual respect and understanding, then we can help make the world a better place."

The conference builds on the success of the Young Global Leaders Summit held last July at BGSU and was made possible through University funding and private contributions. For more information about the conference, contact Jake Gallardo at [jakemg@bgsu.edu](mailto:jakemg@bgsu.edu).

**Students Global Competitiveness Committee leader Jake Gallardo (center left), from the Philippines, is joined by fellow committee members (from left) Martina Nondo, Zambia; Anna Kathleen Hartman, U.S.; Darcy Manjabosco, Brazil; Zakiya Abdurazakova, Uzbekistan, and Clare Mukolwe, Zambia.**



## BGSU faculty, alumnus involved in *democracy building*

### ...in Tunisia

**CAREFUL LOOK AROUND** numerous offices at BGSU turns up decorative camels, watercolor pictures of the gates of Tunis, or silver depictions of traditional Tunisian folk objects.

In offices and homes in Tunis are comparable gifts—pewter plates with the BGSU seal, T-shirts, mugs and banners.

The gifts are tokens of something much deeper and more valuable—friendships and professional ties between Tunisians and Americans. These ties are the most tangible products of a two-year partnership between faculty of the BGSU School of Communication Studies and the Institute for Press and Information Sciences (IPSI) at the University of Manouba, the only university-level media program in Tunisia.

The ties link faculty like Dr. Laura Lengel, interpersonal communication, and Dr. Catherine Cassara, journalism, with students and faculty in Tunis through a two-year grant from the U.S. Department of State's Middle East Partnership Initiative.

As the \$100,000 program draws to a close, Lengel and Cassara have submitted a book-length report to Higher Education for Development detailing the two-year program. The report tells the story of 10 students and two faculty members from IPSI who spent three weeks in Bowling Green during the summer of 2005 studying about women, democracy and media; touring local media, visiting Cedar Point and making some lasting friendships with the BGSU students in their class. There are also accounts of BGSU faculty trips to Tunis to work with IPSI faculty as they prepare students to be journalists in a country transitioning toward democracy.

"Democracies function best where there is free access to information and where unhindered discussions allow citizens to examine all sides of civic issues," states Cassara, who is also the project curriculum developer. "As Tunisia and other Arab nations move toward democracy, it is imperative that their journalists have professional training in order to become integral components in the process of building democratic discourse and civil society."

The project has done far more than support journalistic excellence within emerging democracies, emphasize Lengel and Cassara. They explain, "By far, the most important aspect of this program has been the cultural exchange between students and faculty from the two regions. It is very critical for us, as a country, to build ties within secular Arab states; otherwise these states are vulnerable to influences from destructive forces. With every student or professor that travels between our two regions, we develop relationships that have the potential to blossom into sustainable collaborations that improve the overall global climate."

Already, additional grants have been secured based on the relationships developed through the program. The Institute for Press and Information Sciences obtained funding for a student newspaper project that included U.S. and Tunisian students visiting each other's campuses. Stephanie Guigou, a BGSU journalism major, traveled to the institute to share ideas about journalism with Tunisian students. She says, "I really didn't have any idea what to expect going in. The only parts of Arabic life I knew were what I had seen on television, but I knew it couldn't be that black and white. Likewise, my Tunisian counterparts had perceptions about the U.S. from what they observed on television. During my visit, we quickly moved beyond these perceptions and found many more similarities between us than differences. The more people from different cultures can meet each other as real people—not anonymous



Dr. Catherine Cassara (right) looks over books donated to IPSI by the BGSU community with Patricia Kabra (second from right) from the U.S. Embassy in Tunis, and IPSI Director Dr. Mohamed Hamdane (fourth from right).

stereotypes—the better our chances for building a peaceful and prosperous future."

### ...and in Eastern Europe and Central Asia

A hundred years after his grandfather emigrated from Moldova to avoid religious persecution, Brock Bierman '86, stood on his grandfather's homeland to receive a Medal of Civic Merit from Moldova's president. Bierman received the award in honor of his work there with the United States Agency for International Development for Europe and Eurasia (USAID).

"It was an incredible, but humbling, experience," says Bierman, who has been chief of staff for USAID for four years after a 2002 appointment to the post by the Bush Administration. USAID provides nearly a billion and a half dollars of aid to 27 countries in Eastern Europe and Central Asia.

The honor is just one more surprise to Bierman, who, as a journalism major at Bowling Green State University, never imagined he would become involved in international relations. "If someone had told me eight years ago that I would be in this position, I wouldn't have believed him," says Bierman, who also served for six years in the Rhode Island House of Representatives. Prior to his work in public service, Bierman founded and led a prominent investigative firm specializing in corporate intelligence and intellectual property.



## International Studies Program opens window on the world

"This is really the first time since I graduated from BGSU that I've truly utilized my communications background," says Bierman. "While it allowed me to succeed in an overall capacity, over the past four years I've been much more intricately involved with communications as a program and strategy. Today, I'm certainly using the training I received at BGSU."



**Brock Bierman '86**

In April, Bierman was inducted into BGSU's Journalism Hall of Fame. He was recognized for his work at USAID, including his efforts at presidential initiatives that include democracy building and efforts to curb human trafficking in Europe and Eurasia.

One of Bierman's first priorities when joining USAID was to enhance the agency's communication efforts, and the project brought BGSU directly into the fold of USAID. "USAID didn't have public information officers in the field," explains Bierman. "We have a valuable mission to share and we wanted our foreign service officers to be able to effectively tell our stories."

To accomplish that goal, Bierman and six BGSU faculty members traveled to Croatia to train U.S. foreign service officers from various countries in an intensive two-week communication session. "The training was very successful," says Bierman. "Our officers learned communication techniques first hand from people who I think represent a cross section of America."

During the past four years, Bierman also has worked on getting more young people involved in democracy building in the countries USAID assists.

"We've targeted some of the brightest and most talented youth in these countries," he says. "They've created their own Web site and chat group allowing young activists from different countries to communicate with each other about changes and policies in their countries. We're showing young people what the U.S. is doing and encouraging them to take the best of what we do and add it to what their countries are doing."

While many of these countries continue to face economic hardships and democratic growing pains, Bierman says their accomplishments have been phenomenal.

**NOTHING LESS THAN WORLD PEACE...**this is the goal of BGSU's International Studies Program (ISP). Program Director Dr. Kristie Foell, who also is co-director of Global Village, explains, "It is now more urgent than ever to encourage meaningful personal interactions among individuals from different countries and cultures. We see this most clearly in the tensions between the U.S. and many Muslim countries, from Egypt to Pakistan. There is a lot of isolationism and stereotyping on both sides of this equation, with the U.S. thinking in terms of 'Islamic fundamentalist fanatics,' and parts of the Muslim world considering us 'the Great Satan.' It becomes much more difficult to hold those views when, for example, a moderate Muslim (certainly the majority) meets a religiously minded American who does not conform to the stereotypes of promiscuity and materialism. This is just one example. Meaningful encounters between Americans and Africans, Asians, Europeans and Latin Americans also are important."

To facilitate such encounters, the ISP strengthens the traditional classroom experience by offering study abroad as well as other international opportunities, both on campus and abroad, that allow people from across the globe to find their shared connections. It is Foell's hope that each act in the name of international education will beget far-flung consequences for future world peace.

### **Part of the solution...**

From Russia to Costa Rica and Spain, students in BGSU's International Studies Program have traveled to many corners of the world. "The great thing about studying abroad or learning a foreign language," says Foell, "is that it opens many more doors than just the original one you go through." Foell first traveled to Germany as a student, and is currently in Salzburg, Austria, directing BGSU's full-year study abroad program.

She traces her enthusiasm for international education back to her initial undergraduate study abroad experience, explaining, "My life would be so much less interesting if I hadn't taken that first trip. I have since traveled abroad more than a dozen times and have collaborated with people throughout the world on research projects that could make a real difference for global concerns."

BGSU sophomore Christopher Kay agrees with Foell's emphasis on international education. However, he wasn't a student when he first visited another country, he was a soldier. And this summer, he was one of only 30 people nationwide to receive a U.S. Department of State Critical Language Scholarship to study Arabic in Amman, Jordan. Competition for the scholarship was intense—there were more than 1,200 applicants for the 30 spots. The other winners came from some of the most elite institutions—such as Harvard University, Boston College, the University of California at Los Angeles, Northwestern University and Arizona State University—which tend to have Middle East Studies departments.

But Kay had something going for him that few others had: actual experience in the Middle East; having served in the Iraq war. When the war broke out while he was in high school, he enrolled in the Ohio Army National Guard the day after his 17th birthday and went to basic training between his junior and senior years. He registered for college in 2005, only to find he would be deployed to Iraq that January. His service was interrupted when he was diagnosed with cancer in June 2005. He underwent surgery in the Green Zone in Baghdad and was sent home for treatment.

For most people, searching for Improvised Explosive Devices around Baghdad roadways six days a week would be enough service to their country, but Kay saw another, bigger problem than the deadly, hidden bombs.

"I think the biggest factor in why the Iraqis don't like us is that they don't understand us, nor can we understand them," he explains. "If people cannot communicate, then cooperation is nearly impossible." He continues, "Not only can we not communicate, we don't know anything about each other. We don't take Middle Eastern history in school, and they don't study American history."

While in Jordan, Kay lived with a local family and studied at the American Center for Oriental Research at the University of Jordan. The international studies major plans to continue studying Arabic and hopes to obtain an internship with the CIA or the state department. He also would like to study abroad again, perhaps in Egypt. Eventually, he would like to work in counterterrorism with the state department, CIA or defense department.

Foell says, "The granting agency identified Kay's application as one of the most impressive it received. Watch Christopher Kay. He, and other students investing time in an international education, will be part of the solution."



## LIVING, LEARNING TOGETHER

### *Global Village to expand international circle of friends*

**IF THE INTERNATIONAL STUDIES** Program has any hope of influencing world peace, sustained personal relationships between BGSU students and faculty with people from other countries are essential, stress Global Village Residential Community co-directors Dr. Kristie Foell and Jeff Grilliot.

Beginning this fall, BGSU students will expand their international circle of friends right on campus with the Global Village Residential Community. The Global Village will be based upon the University's highly successful residential learning communities which were recently recognized in the 2007 edition of *U.S. News & World Report's* "America's Best Colleges" in "Programs to Look For." This is the fourth straight year BGSU has appeared on the list of

campuses nationwide with outstanding learning communities. The Global Village will welcome 40 students who choose to live and learn together with a shared goal of improving world relations.

One might ask, "Don't these students already meet one another on campus?" They do, however, without a concerted and intentional effort at creating dialogue, international and American students tend to separate themselves from one another. Foell observed this trend during her recent stay in Salzburg, where BGSU students traveled, socialized and studied together, unless the program created opportunities for the students to connect with their Austrian counterparts.

The Global Village will have an equal number of American and international students, and pair each international student with an American roommate, thus bringing the international encounter into the home of each student. As half of the group, the international students in Global Village will not be a minority, as they usually are in the classroom. There will be dedicated course sections of international studies, American culture studies and political science for the Global Village students.

Foell and Grilliot state, "Our village will be a very small piece of the puzzle, of course, but at the simplest level, it's about making friends—which, we hope, is a contribution to world peace because most people don't demonize, isolate, vilify or declare war against their friends."

## Model United Nations program simulates real-world diplomacy

**HOW WILL THE SKILLS** and insights students have gained with an international education translate when real problems need solving? Look no further than BGSU's participation in the National Model United Nations for an answer.

More than 3,200 students and 220 faculty from universities across the globe, including Bowling Green State University, meet annually for the National Model U.N. program in New York to engage in a simulation of the previous session of the U.N.'s General Assembly. Each school is assigned a national identity prior to the conference, provided with a list of agenda items, and expected to come to the conference fully briefed and ready to represent its assigned country.

At BGSU, the annual trip is the highlight of a semester's worth of work by students and faculty. Before the conference, students thoroughly research their assigned country's history, policies, existing resolutions and agreements, economic and business climate, and religious issues so they are prepared to represent that country's point of view, not their own. Once in New York, students put in 12-hour days drafting mock resolutions and debating issues with students from throughout the world. During their stay, they also meet with U.N. delegates from the country they

represent, which, for the Bowling Green students, is Ireland.

"Students quickly learn how complicated global cooperation really is when they attempt to get the 191-member U.N. countries to agree on resolutions or action," says Dr. Marc Simon, chair of political science. "Through this hands-on, role-playing experience, students become sensitized to the views of many countries and gain a sophisticated understanding of diplomatic relations. They learn the importance of diplomacy and human rights, while advancing their understanding of international problems and preparing themselves for responsible and effective global citizenship."

The program has so profoundly affected Bowling Green students that they have shared it with regional high school students. In 2003, the participating students started a Model United Nations Club at Bowling Green High School to begin a dialogue about complex global issues including international peace and security, global health and disaster relief, transnational terrorism, and economic and social progress. Since then, they have hosted two high school conferences per year and, this year, also invited a club from Antwerp High School.

BGSU students are competitively selected for the National Model U.N.

program and must pay an extra \$400, which covers about half of the overall trip's cost. The Department of Political Science and other campus units finance the remainder of the journey. Recently, the Curtis Peet Memorial Scholarship was established in honor of the late Dr. Curtis Peet, a former political science faculty member who was well known for his dedication to the U.N. program, and will defray the cost for one or two deserving students. For more information about the program or the scholarship, contact Simon at [msimon@bgsu.edu](mailto:msimon@bgsu.edu).



Candace Archer (center), an assistant professor of political science, meets with Brittany Stricklen (left) and other students who are representing BGSU at this year's National Model United Nations program in New York.





# UNDERGRADUATE RESEARCH

## *key to competitive edge*

*In the United States, educators have been struggling for decades to increase students' proficiency in math and science—areas that are critical to success in the global marketplace. The key to success, many believe, lies in research. Research provides answers that help educators better understand how students best learn science and math. Involvement in research also gives students a deeper understanding of science.*

### COSMOS

BGSU has taken a systematic approach to instilling a passion for math and science among both teachers and students. The Center of Excellence in Science and Mathematics Education: Opportunities for Success (COSMOS) provides educators with fresh approaches to teaching these subjects. Created in 2002, COSMOS is a collaboration between BGSU, Owens Community College and the University of Toledo-SciMaTec. COSMOS is one of six centers of excellence in science and mathematics created in Ohio with grants from the Ohio Board of Regents. It serves schools in 12 counties in northwest Ohio.

"COSMOS helps teachers rekindle an enthusiasm for science and math in students and gives graduates a competitive edge," says Dr. Jodi Haney, director of COSMOS at BGSU. Graduates will need that edge. According to the U.S. Department of Labor, jobs requiring science, engineering and technical training will jump 51 percent by 2008, a rate four times greater than overall job growth.

One primary challenge in teaching science and math, says Haney, is that chances are high that most teachers who have been in the profession for a decade or more were not trained in research-based methods. "Today's math and science teachers teach the way they were taught," she says. "We're using research to retrain them, to give them the tools they need to reach and better prepare today's students."

COSMOS offers a number of initiatives that turn research into practice. Each month it holds study groups for K-12 educators with keynote presentations, and also offers action groups that focus on providing an opportunity for COSMOS teachers to work together to identify and solve classroom-based problems. "We also award mini grants up to \$2,000 to K-12 schools that propose new and proven research initiatives," says Haney.

COSMOS has proposed a unique model for alternative licensure that will put teachers on a fast track for earning a master's degree in curriculum and instruction while earning initial licensure. Also, officials are preparing a proposal for a Ph.D. program in the learning sciences that uses a comprehensive interdisciplinary approach to study how people learn math and science in college and university settings.

"In addition to math and science, the program will include elements of other disciplines that affect learning and teaching, including psychology," says Haney. "COSMOS is a smart investment strategy to improve our teachers, our faculty, our students and, ultimately, our position in the global marketplace. We're creating a better-educated citizen."

### GOLDWATER STARS

BGSU's emphasis on involving undergraduates in original research with faculty mentors helps students enter the world of scientific discovery.

That early exposure to research opportunities has played a pivotal role in BGSU students receiving coveted national Barry M. Goldwater Scholarships. For seven consecutive years, BGSU students won Goldwater Scholarships. Each year, only about 300 students from more than 3,000 nominees nationwide are selected to receive the awards.

These scholarships are highly competitive awards distributed to academically outstanding sophomores and juniors majoring in natural sciences, mathematics and engineering and who are interested in research careers. The BGSU Goldwater recipients represent all aspects of science, including chemistry, biology and astronomy. Several of the students have since received Ph.D.s or are currently in Ph.D. programs.

"We give our students the opportunity early in their educational career to take an active role in research," says Dr. Paul Moore, biological sciences, and director of the Honors Program. "By the time they are sophomores, many of these students already have two years of research experience. They also start to see how science fits into the global picture."

### BGSU'S GOLDWATER SCHOLARS

David Roberts '98  
Molly Markey '99,  
Christina Csaszar '00  
Habibullah Ahmad '01  
Steven Roberts '01  
Veronica Burns '02  
Michelle Cook '03  
Katherine Guldenschuh '04

*Global competition in scientific research will undoubtedly continue to intensify. But BGSU's emphasis on strengthening K-12 math and science education and opening research opportunities for undergraduates will help assure that Ohio and the United States remain at the forefront of discovery and innovation in the 21st century.*





**SCIENTIFIC RESEARCH** offers the power of possibilities whether they be:

- Paint for ship hulls that prevents the attachment of harmful barnacles
- Sensors that follow environmental pollutants
- Solar energy to address the nation's fossil fuel dependency
- Therapeutic drugs *in vivo*
- Photodynamic drugs that destroy cancer cells
- Improved lenses in DVD players
- Stronger dental fillings

These are just a few of the possible applications of research being conducted at BGSU's Center for Photochemical Science. Faculty and students from the departments of chemistry, physics and astronomy, and biological sciences are united with one singular goal—to understand how light works with physical, chemical and biological systems to create energy, and how to transfer that understanding into practical applications and new technologies.



Andrei Fedorov, left, technical director of BGSU's Wright Photoscience Laboratory, explains a polymerization system to former Ohio Gov. Bob Taft during his visit to campus last fall to announce additional state funding from the Innovation Incentive program.

# PHOTOCHEMICAL RESEARCH MAGNET FOR SOCIETAL NEEDS SCIENCES

"One of the fundamentally exciting things about scientific research is that the end product is not always known," says Dr. Michael Ogawa, Department of Chemistry chair and professor. "While center faculty may think current research will lead to specific applied processes or products, the discoveries we make along the way may answer questions we haven't even asked yet. It is encouraging that the state and the University recognize the vital relationship between basic science and innovative technologies and have provided financial support for the center."

Ogawa explains that, more and more, universities are driving the basic research that is credited for the last 50 years of economic prosperity in the U.S. He states, "In absolute terms, the U.S. is still the world leader in scientific research. However, years of declining public and private investment as well as fresh competition from across the globe, threaten that status. In all measurable terms—academic prizes, patents granted to U.S. companies, the trade deficit in high-technology products, scientific and mathematic abilities of elementary and high school students—we're losing ground while countries like China, South Korea and India are quickly catching up."

BGSU is well positioned to be a leader in reversing this troubling trend. With more than \$4 million from the state's Third Frontier and Innovation Incentive awards, as well as significant federal research funding and support from business and industry leaders, the center has gained an international reputation as a leading research center and plans on doubling its faculty size within the next three years.

Dr. Douglas Neckers, McMaster Distinguished Research Professor, and founder and director of BGSU's Center for Photochemical Sciences describes the center as "a major research force in the country. We are thrilled to offer our services as a research magnet for the many problems facing society today. Really active research scientists in a basic science get engaged in the industrial community. It's something that happens naturally."

According to Arts & Sciences Dean Donald Nieman, "The center's emphasis on basic research with an eye toward addressing societal needs is a winning combination. We continue to attract funding and outstanding research faculty, allowing BGSU to prepare our students and region for the changing dynamics of a global marketplace." **A&S**



# Blurring traditional boundaries

## School of Art pioneers learning based on interdisciplinary collaboration

**If students are to compete** with global technology centers in India and China, they must learn to think laterally across disciplines. That's why BGSU students are encouraged to study multiple fields and become conversant in various technical jargons.

Today, the University is nurturing that collaborative environment between science, industry and art—and intentionally blurring the boundaries of traditional disciplinary silos.

A perfect example is 3D visualization or virtual reality whereby scientists and artists use the same tools for different purposes so communication is easiest and most productive.

Gregory Little, an associate professor of digital arts in the School of Art, is helping prepare students for a working environment where the creative process may involve scientists, engineers and industrial designers as well as other artists.

"We're encouraging 'right brain' people to work with 'left brain' types in a hybrid process to solve problems," says Little. "Today, we

have embarked on rich, collaborative projects involving the School of Art, the chemistry department, computer science and the Center for Applied Technology."

In September 2006, Little received a Technology Innovations Enhancement Grant through Ohio's Third Frontier Program. As co-principal investigator with John Balistreri, School of Art associate professor of ceramics, and Sebastien Dion, a master of fine arts candidate in digital arts, BGSU is developing a direct process for producing kiln-fired ceramic objects from CAD files.

This first-of-its-kind method of rapid prototyping also permits complex interior configurations to be produced seamlessly. "It's kind of like building a ship in a bottle," Little notes. "It has immediate applications in producing architectural detailing, bioengineering as well as in fine arts."

"Often, people find they have more in common than they ever realized—or admitted," says Little. "Mathematicians and scientists who seek the 'elegant' solution based on simple, insightful, universal truths can find that those goals are frequently shared and their aesthetics valued by the artist-collaborator."

### The next level of collaboration

BGSU students are collaborating in new ways through the process of peer programming in which multiple students work on the same projects on the same computer as part of a larger open-source community.

The basic idea is simple. When students read, redistribute and modify the source code, software evolves faster than would be possible with conventional program development. By collaborating in this way, students improve the program, adapt it, fix bugs and advance its scope with amazing speed, according to Little. It also exposes the functionality of the program beyond its original discipline.

The promise of this interdisciplinary collaboration is so great that Little, a new media artist, is preparing grant applications for the National Science Foundation. "It's rare for an artist to seek funding from the NSF, but is indicative of the way future collaborations will be." **A&S**



Gregory Little



*"Students who are thoughtful about values will be better able to understand how the views of others are also shaped by values."*

Dr. George Agich, director of BGeXperience

# BGeXperience

## —the latest happenings

### STUDENTS INTRODUCED TO FORENSICS

**D**uring fall semester 2006, a 25-student section of Introduction to Forensic Science was made up of freshmen in the BGeXperience program. The class was filled to the maximum 25 students virtually overnight when it was widely announced on the eve of spring semester 2006.

Considering the popularity of the "CSI" television shows, the response wasn't a surprise and it hasn't disappointed.

The forensic science course is aimed at nonscience majors, as is a course on "Life in Extreme Environments," which is being developed. Both courses are part of an effort by the College of Arts & Sciences "to explore new and exciting curriculum offerings in the sciences," according to Dr. Roger Thibault, the college's executive associate dean.

Dr. Stephania Messersmith, a visiting assistant professor of chemistry, created and teaches Introduction to Forensic Science, in which students learn the nature of scientific evidence, how it's obtained and used in the scientific process, and how to solve problems using the scientific approach.

Mathematical and scientific concepts are kept on a fundamental level in her class, Messersmith says, but "we talk about a lot of the different facets" of forensic science, including basics of chemistry and analytical methods, DNA analysis, fingerprints, toxicological studies, document examination/authentication, and hair and fiber analysis.

Is the stable of "CSI" shows to thank for the level of student interest? "I think that's a major reason why, but also the fact that forensic science has come a long way," Messersmith notes, elaborating that technology now affords the ability to perform complex analyses and provide considerable information.

The BGeXperience section of the course incorporates discussion of values that are central to forensic science. These include discarding data if it's not scientifically sound to do so and rejecting preconceived notions based on someone's presumed guilt or innocence.

### AAC&U NEWS FEATURES BGEXPERIENCE

**I**n one of its recent publications, the Association of American Colleges and Universities featured "AAC&U Member Innovations" and spotlighted the BGeXperience program. The story explained how the program was developed five years ago for incoming students at BGSU and traced its success since then.

The article pointed out that what distinguishes BGeXperience from other first-year programs is its focus on "critical thinking



Dr. Stephania Messersmith

about values across the curriculum" and how that has raised some questions about teaching values in college.

Dr. George Agich, director of BGeXperience, addressed that question, explaining that the program defines a value simply as "a principle, standard or quality considered worthwhile or desirable." This approach to values is nonprescriptive, but it does prompt students to reflect upon their beliefs.

In the article, Agich said that students do not necessarily need to change their existing views to benefit from such reflection. "When students have thought critically about what underpins their values, they are more likely to be able to speak about their views with 'authority' and to recognize the boundary where knowledge begins to get fuzzy and they get limited by their own experience," he says. "Students who are thoughtful about values will be better able to understand how the views of others are also shaped by values."

Studies on the BGSU campus have shown that, when the performance of BGeXperience students is compared to that of students in comparable introductory courses without a values focus, BGeXperience students actually have a "slight edge."

The article concluded by saying: "Perhaps the most significant benefits students take with them from the BGeXperience program are those that will contribute to their personal as well as their professional lives: openness to differing viewpoints, the ability to think critically about values and the integrity to act upon values. These ideals underlie BGSU's recent efforts to integrate values into the curriculum."

Agich summed it up by saying, "The opportunity to have free expression and to welcome diversity and even opposing viewpoints on campus is something that public, liberal institutions should be committed to. Certainly we are committed to try to convey those values to our freshmen from the start." **A&S**



Chief American Prosecutor Robert H. Jackson addresses the Nuremberg court. Photo copyright Raymond D'Addario, reprinted by permission.

## Colloquium revisits **Nuremberg trial**



**A**n international colloquium held last fall at BGSU revisited the International Military Tribunal courtroom proceedings held 60 years ago in Nuremberg and examined the implications for human rights and international law in the 21st century. The tribunal handed down verdicts against Germany's Nazi leaders for crimes committed during World War II.

"The Nuremberg War Crimes Trial and Its Policy Implications for Today" colloquium attracted more than 300 scholars, practicing attorneys, students and others, and was hosted by Bowling Green's graduate program in policy history, the BGSU Social Philosophy and Policy Center, the University of Toledo College of Law and the Robert H. Jackson Center of Jamestown, N.Y.

Representing the disciplines of history, law, military science, international relations and political science, colloquium speakers examined the "greatest trial in history" and discussed international law and justice today, particularly the International Tribunal for the former Yugoslavia, the International Criminal Tribunal for Rwanda, the Special Court for Sierra Leone and the Iraqi Tribunal. **A&S**

### **Colloquium speakers included:**

- Nuremberg prosecutor **Henry King**, a professor of law at Case Western Reserve University, author of *The Two Worlds of Albert Speer*, previous general counsel of the U.S. Foreign Economic Aid Program, and former chair of the international law and practice section of the American Bar Association
- **Michael Marrus**, internationally recognized University of Toronto historian and author of *The Nuremberg War Crimes Trial 1945-46: A Documentary History*
- **David M. Crane**, former U.N. chief prosecutor of the Special Court for Sierra Leone and current professor of law at Syracuse University
- International human rights lawyer **Curtis F.J. Doebbler**, a professor of law at An-Najah National University in Palestine and an advisor to the defense team representing former Iraqi President Saddam Hussein before the special court established by the United States in Iraq
- **Brenda J. Hollis** '68 of the Pearson Peacekeeping Center in Canada, a BGSU graduate who was senior trial attorney and chief of the team legal office and co-counsel section before the International Tribunal for the former Yugoslavia
- In addition, actor **Bernard (Buddy) Elias**, a first cousin of diarist Anne Frank, hosted two dramatic presentations. Frank's record of life in hiding from the Nazis in occupied Amsterdam is arguably the most widely read literature of the Holocaust.



# best

## OF THE BEST

### Recent Graduate Award

**Kristen Cajka '95**, journalism, received the Recent Graduate Award. She is the communications manager for the American Red Cross, Greater Toledo Area Chapter. As an undergraduate, she was involved with the University Honors Program and served as a public relations intern for the Ohio Environmental Protection Agency.

Cajka earned the American Red Cross Tiffany Award for Employee

Excellence in Management and was named one of the "20 Under 40" honorees in the Toledo area, which recognizes individuals who are making exceptional contributions to their community and/or have distinguished themselves in their careers.

At the American Red Cross, Cajka has served as spokesperson and as a member of the management team, the local training team and the disaster services human resource system.



**The Accomplished Graduate Award** was established in the belief that high quality contributions, whether made through professional practice or through service to the community, reflect positively on the graduate and BGSU.

The College of Arts & Sciences awardees for 2006 (from left to right) are:

**Shantanu Narayan '86**, Palo Alto, Calif., oversees Adobe Systems' global operations and sets the vision for the company's diverse product lines.

**Angela Genovese Carlin '52**, Cleveland, a partner at Weston, Hurd, Fallon, Paisley & Howley, is recognized as one of the Top 50 Female Ohio Super Lawyers and an Ohio Super Lawyer.

**David Hainline '83**, Falls Church, Va., previously worked in the broadcasting industry in the Washington, D.C., area and is now president of Capitol Services Inc., an award-winning special event and meeting planning company.

**Myra Patchen '73, '75**, Fairfax, Va., is president and chief executive officer of MLP Consulting Inc., a private pharmaceutical consulting company that provides assistance for drug development and regulatory strategy plans.

Also pictured: Dr. Donald G. Nieman, dean.



### Distinguished Alumnus Award

**Ginger Kathrens '68**, received the Distinguished Alumnus Award. She is an Emmy Award-winning producer and director of feature films, television documentaries, commercials and national public service announcements. She produced Discovery Channel's "Spirits of the Rainforest," which earned Emmys for Best Cultural Informational Documentary and Best Music.

Among her productions have been 25 segments of PBS's "Wild America" series and shows for the PBS "Nature" series. She has won more than 100 awards for production excellence in national and international competitions over the past 34 years. Her book, *Cloud: Wild Stallion of the Rockies*, was based on her acclaimed documentaries about a horse she followed from birth.

Kathrens earned her bachelor's degree in speech from BGSU and a master's degree from Florida State University.

### Layden earns Blinn Award

**Dr. Andrew Layden**, an associate professor of physics and astronomy, has received the 2006 Elliott L. Blinn Award for Faculty-Undergraduate Basic Research/Creative Work. The award is given in memory of the late Dr. Elliott Blinn, a professor of chemistry, who devoted his career to sharing with undergraduate students the excitement of the process of discovery. Layden received \$1,000, and an additional \$4,000 has been transferred to his departmental account for continued support of undergraduate research.

In the eight years since he came to BGSU, Layden has included undergraduate students in his Variable Star Project, which has evolved into an ongoing student research program that has comprised nine undergraduate students, most for multiple years. To date, his students have presented posters at American Astronomical Society national meetings and have been lead authors of two refereed publications, with more in progress.

Dr. Donald Nieman, dean of the College of Arts & Sciences, says, "Layden's work exemplifies the best in undergraduate research: a cutting-edge scholar who gently challenges undergraduate students to pursue discovery at the highest level and has the patience and understanding to help them rise to the challenge."



### **Gordon named Master Teacher**

**Dr. Jeffrey Gordon**, an associate professor of geography, received the 2006 Master Teacher Award from the Student Alumni Connection. Because the award is determined by students, it is considered the highest among faculty honors. It recognizes faculty who demonstrate special care for their students and comes with \$1,000 and an engraved plaque.

Gordon's teaching is described as "interactive, honest and sincere." His pedagogical style reflects his belief that "the most important aspect of education at this time is to facilitate the changing face of teaching." Feeling that students can learn much from one another, he encourages their interaction.

Gordon, who has taught at BGSU since 1980, is among modern geographers who are interested not just in mountains and maps, but in how people fill, use and occupy space.

### **Leontis receives Olscamp Research Award**

**Dr. Neocles Leontis**, a professor of chemistry, is the winner of this year's Olscamp Research Award. Given annually to a faculty member for outstanding scholarly or creative accomplishments during the previous three years, the award includes a \$2,000 cash prize and a reserved parking spot for one year.

Leontis, who joined the BGSU faculty in 1987, has devoted his career to studying the very building blocks of life: DNA (deoxyribonucleic acid) and RNA (ribonucleic acid)–

their structures, function and interactions. Using physical, chemical, biological and theoretical methods, Leontis has not only made significant discoveries himself, but his work also has helped other researchers around the world classify and integrate the knowledge they are producing.

In recognition of his work in developing a nomenclature for RNA structures, the international RNA Society selected Leontis to lead the RNA Ontology Consortium. Begun in 2005, the five-year project is funded by a \$500,000 National Science Foundation grant.

### **Outstanding Young Scholar named**

**Dr. Susan Brown**, an associate professor of sociology, has been named the 2006 Outstanding Young Scholar for her research on cohabitation and particularly its effects on children.

The Young Scholar award helps enhance the academic career of junior faculty by providing discretionary funds for the support of future scholarly activities. It brings a \$1,000 credit to the recipient's discretionary research account, in addition to a \$2,000 cash award.

In 2003, Brown received a five-year Mentored Research Scientist Development Award from the National Institute of Child Health and Human Development for her study of "Children's Development Outcomes in Cohabiting Unions."

"No other faculty member at BGSU has received this award," according to Dr. Wendy Manning, director of the University's Center for Family and Demographic Research and last year's Outstanding Young Scholar. "Integrating sociology and developmental psychology,

Brown's project has allowed her to make significant and innovative contributions to our understanding of children's well-being in the United States."

### **BGeXperience inaugurates Distinguished Teaching Award**

**Dr. Donna Nelson-Beene**, director of the General Studies Writing Program, is the first winner of the BGeXperience Distinguished Teaching Award.

The new award recognizes a record of superlative teaching in a BGeXperience course, and the development or use of a major curriculum improvement involving the teaching of critical thinking about values in the BGeXperience program. The award includes a \$1,000 prize.

Nelson-Beene's support of the efforts of BGeXperience has contributed to the enhancement of the core curriculum and the expansion of critical thinking skills throughout the undergraduate program.

### **Wolfe receives honorary degree**

**Mary Wolfe**, a longtime supporter of the arts and education in northwest Ohio, received an honorary doctorate of fine arts from BGSU at the May graduation ceremony.

Wolfe, who earned a master's degree in fine arts from BGSU in 1968, has been involved with the University's art program for more than 30 years. The Perrysburg, Ohio, resident and artist was an art history instructor on campus for many years, as well as director of the McFall Center Gallery and a founding member of the Medici Circle, the society of patrons of the School of Art.



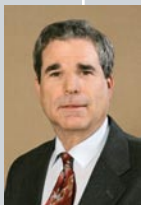
A member of the BGSU Foundation board from 1992-95, she is currently an Arts Advocate and a member of the National Campaign Steering Committee for Building Dreams: The Centennial Campaign for BGSU. She also is serving a third, five-year term on the Ohio Arts Council board—one of many on which she serves.

She and her husband, Frederic, are generous philanthropists who support the arts.

### **Browne thanked for Mock Trial work**

**Dr. Neil Browne**, Distinguished Teaching Professor of economics, received a special gift of appreciation at the 2006 Faculty Recognition Dinner in honor of his work with the Mock Trial Team. Under his guidance, the team placed in the top 10 in the nation this past year.

When Browne took over Mock Trial, it had been without strong leadership. Now, the BGSU program has achieved national prominence, accomplished largely by Browne with the support of his wife, Dr. Nancy Kubasek, legal studies. Together they took substantial time to recruit students, to train the students, and to manage the travel arrangements needed for the team to attend invitationals. **A&S**





# Headlines

## in Arts & Sciences

### Three named Alumni Laureate Scholars

Three of the five students from the Centennial Class 2010 who earned Alumni Laureate Scholar distinction are from the College of Arts & Sciences. Scholar distinction is based on their leadership, scholarship, citizenship, achievement, personal integrity and involvement. Each student receives full tuition, fees and a \$1,000 book award annually.

**Kelsey Brugler**, a broadcast journalism major from Warren, Ohio, attended John F. Kennedy High School where she maintained a 3.96 grade point average. She was National Honor Society treasurer; a member of Mu Alpha Theta mathematics club executive council, and held membership in Students Against Drunk Driving, Key Club, Ohio Math League and Science Club. She played junior varsity and varsity softball and was co-captain for the varsity track team. She has volunteered for many community service and fund-raising activities, teaches vacation Bible school, is a walker and fund-raiser for Relay for Life and teaches swim lessons in her community.

**Brandi Freeman**, a mathematics major from Bedford Heights, Ohio, graduated from Bedford High School, where she had a 3.97 grade point average. She was a member of National Honor Society, Cotillion, student government, Teens Who Listen and Care, and Family, Career and Community Leaders of America, where she was vice president. She has volunteered for Big Brothers/Big Sisters, St. Herman's Men's Shelter and the American Red Cross blood drive. She took Post-Secondary Enrollment Options classes and was named in Who's Who of American High School Students. She also was named Outstanding Student of the Month, Outstanding Student of Science and a Lake Erie League Scholar Athlete.

**Sundeep Mutgi**, a psychology major from Sylvania, Ohio, is a graduate of Sylvania Northview High School, where he maintained a 3.5 grade point average. He was a member of the Spanish and drama clubs, and was vice president of the speech and debate team. He is president of the Promedica Health Explorers and a youth faith study group. Mutgi was selected as one of only 280 Lincoln Douglas debaters in a national competition and has placed in the top three at 15 speech and debate tournaments. He also earned the

Americanism Scholarship and volunteers with the YES project, Flower Hospital's CAT scan laboratory and as a debate tutor.

### Hess honored for lifetime achievement

**Dr. Gary Hess**, a Distinguished Research Professor of history, has received the Norman and Laura Graebner Award for lifetime achievement as a historian of U.S. foreign relations. The award, which includes \$2,000 in cash, is presented biennially to a senior historian of diplomatic or international affairs who has significantly contributed to the profession through scholarship, teaching and/or service.



Hess is past president of both the Society for Historians of American Foreign Relations and the Ohio Academy of History, a former editorial board member for the journal *Diplomatic History* and former chair of the U.S. State Department's Advisory Committee on Historical Diplomatic Documentation.

A nationally known authority on U.S. foreign relations, particularly in Southeast Asia, Hess is also the author of six books and editor of another. He received three Fulbright awards and two National Endowment for the Humanities Fellowships.

### Arts & Sciences faculty honored

Three theatre and film faculty and two general studies writing faculty have been recognized for their contributions to their fields and the lives of their students.

**Dr. Ronald Shields**, a professor and chair of theatre and film, received the 2006 Leslie Irene Coger Award for Distinguished Performance awarded by the Performance Studies Division of the National Communication Association, an organization devoted to the promotion of the study, criticism, research, teaching, public awareness and application of the artistic, humanistic and cultural principles of performance.

**Dr. F. Scott Regan**, a professor of theatre and film, received the 2006 Lin Wright Special Recognition Award from the American Alliance for Theatre and

Education in recognition of his work in youth theatre.

**Daniel Williams**, an assistant professor of theatre and film, has been recognized for his film work with a 2006 Individual Excellence Award from the Ohio Arts Council. He received the top prize of \$10,000.

**Dr. Carol O'Shea**, acting director of general studies writing, has been inducted as a Fellow of the American Council of Developmental Education. The organization is a consortium of five national professional associations whose members work in developmental education and learning assistance.

**Theresa Williams**, general studies writing lecturer, has been recognized for her writing with a 2006 Individual Excellence Award from the Ohio Arts Council. She received the top prize of \$10,000.

### Ohio Eminent Scholar joins faculty

**Dr. Peter Lu** has been named an Ohio Board of Regents Eminent Scholar in photochemical sciences at BGSU. He had previously been a chief scientist in the Chemical Sciences Division of the Fundamental Science Directorate at Pacific Northwest National Laboratory in Richland, Wash.

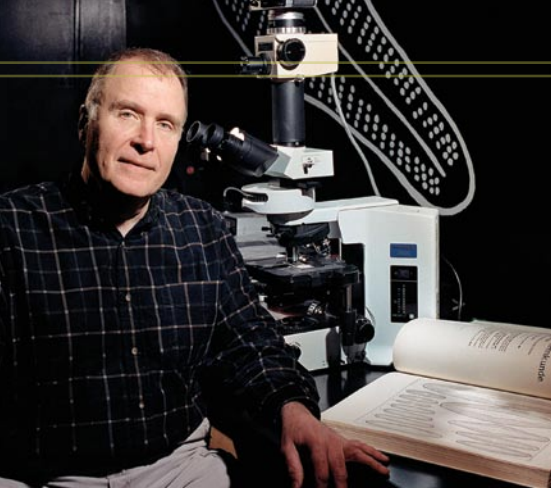
"This expands the Center for Photochemical Sciences toward the biological frontier," says Dr. Michael Ogawa, chair of the chemistry department. "With Peter Lu, we can expand the problems we are attacking. He is a pioneer in the field of how enzymes work and brings some very advanced chemical techniques to bear on some important biological problems."

A graduate of Peking University in chemistry, Lu received master's and doctoral degrees in physical chemistry from Columbia University. The author or co-author of nearly 50 publications, he also has been an invited presenter at some 35 conferences and a reviewer for scientific journals.

Collaborating with Lu is the renowned computational scientist **Dr. Massimo Olivucci** of Siena, Italy, who joined the chemistry department as an adjunct professor.







### Lowe named to botanist position

**Dr. Rex Lowe**, a BGSU biologist since 1970, has been named the G.P. Wilder Chair in botany at the University of Hawaii for 2007-08. He will be teaching two courses during the academic year in addition to continuing his research on algal biodiversity.

Lowe earned his Ph.D. from Iowa State University in phycology—the scientific study of algae. His research generally concerns aquatic community ecology of benthic algae, organisms that live at the bottom of aquatic habitats and, because they constitute the base of the food web in most shallow lakes and rivers, are important to the overall health of those ecosystems.

He also is participating in a multi-year initiative to identify, name and describe every species of mammal, bird, insect, plant and other life forms in Great Smoky Mountains National Park. Lowe has a three-year grant from the National Science Foundation to investigate algal biodiversity in the park. Joining him are two BGSU graduate students and three other scientists.

### Lecture series features New York writer

**Michael Massing**, a New York-based freelance writer, examined the challenges facing American journalism today when he spoke on campus as the 2006 Currier Visiting Lecturer. His talk was titled "Why American Journalism Needs More Outcasts, Doubters, Non-Conformists and Midwesterners."

Massing is the author of *Now They Tell Us*, a collection of articles published in the *New York Review of Books* about the press coverage of the war in Iraq, and also is the author of *The Fix*, a critical study of the U.S. war on drugs.

He has written for numerous publications including *The Nation*, *Washington Post*, *Los Angeles Times*, *Financial Times* and *New Yorker*. A former executive editor and currently a contributing editor of the *Columbia Journalism Review*, Massing has served as an adjunct professor at the Columbia School of Journalism and the

Columbia School for International and Public Affairs.

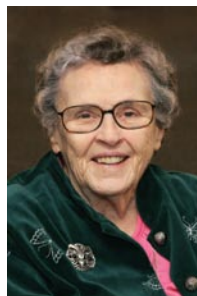
The Currier Visiting Lecture Series is made possible in part by an endowed gift from the estate of Florence and Jesse Currier, who came to the University in 1940. Jesse Currier established the University's modern journalism program, and Florence Currier served as dean of women from 1949 until her retirement in 1963.

The Florence and Jesse Currier Fund is used for journalism scholarships, faculty development, special projects and the annual lecture series that brings distinguished journalists and media professionals to campus to speak and meet with students and faculty.

### Pallister named alumnus of achievement

**Dr. Janis Pallister**, Distinguished University Professor Emeritus of romance languages, has been named an "Alumnus of Notable Achievement" by the College of Liberal Arts at the University of Minnesota.

Pallister received her bachelor's degree cum laude from Minnesota, where she also earned master's and doctoral degrees. She taught French at BGSU from 1961 until her retirement in 1985. She is the author of more than 30 books and hundreds of articles and reviews.



### Giordano in national spotlight; awarded Fellow status

**Dr. Peggy Giordano**, a Distinguished Research Professor of sociology, created a media buzz with her study of teenage boys in romantic relationships. The Toledo Adolescent Relationships Study led by Giordano and sociology colleagues

Drs. Monica Longmore and Wendy Manning stated that boys are more vulnerable and emotionally engaged in romantic relationships than previously thought.

Giordano was featured in the Sept. 4 issue of *Time* magazine and on "Good Morning America" Aug. 28. In an extensive article titled "The Secret Love Lives of Teenage Boys," *Time* described what Giordano and her colleagues discovered in their study. She has also been quoted in



the *Washington Times*, *Chicago Tribune*, *Toronto Globe and Mail*, and in numerous other local, national and international newspapers and online sites.

Giordano also was awarded Fellow status in the American Society of Criminology (ASC). The honor, the highest bestowed by the society, is reserved for scholars whose work has had an impact on the direction of criminology.

Considered one of the world's leading experts on juvenile delinquency, Giordano has received roughly \$6 million in grant funding over the last 30 years. Her studies have focused on female delinquents and adult women offenders, peer influences on juvenile delinquency, and factors associated with moving away from a criminal lifestyle.

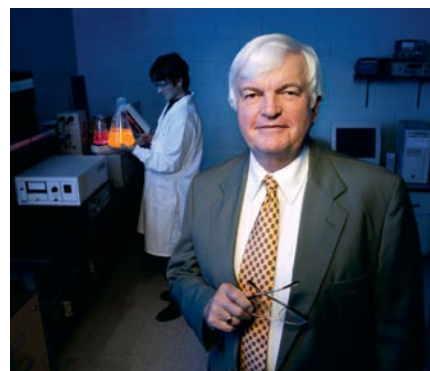
### Neckers elected to Jackson Center board

**Dr. Douglas Neckers**, McMaster Distinguished Research Professor, has been elected to the Robert H. Jackson Center board of directors.

The center, located in Jamestown, N.Y., is dedicated to preserving the memory and advancing the ideas of Robert H. Jackson, a former U.S. Supreme Court justice and chief American prosecutor at the Nuremberg war trials. Neckers played a key role in creating the partnership that enables BGSU faculty and students to study and conduct research on original materials in the Jackson archives at the center.

The full-time director of BGSU's Center for Photochemical Sciences, Neckers is also the author or co-author of 10 books, more than 340 scientific papers and holds 46 patents.

Internationally known for his expertise in photopolymerization, he has served as a consultant to the National Science Foundation, the American Chemical Society and the Alfred P. Sloan Foundation, as well as dozens of corporations. He has received numerous scientific awards and was the first winner of the Olscamp Research Award at BGSU and its first distinguished research professor. **A&S**





# classnotes

## 1950s

**Gerald Klever** '53, journalism, is self-employed as a consultant at Klever Resources Group. He and his wife have taught conversational English to science and technology graduate students in China for three years and this year did the same in Guatemala City with undergraduates and hotel employees. They reside in Tucson, Ariz.

**Erna Schwerin** '53, psychology, is retired but active as president of Friends of Mozart, Inc., and is a published author of essays on Mozart. She resides in New York City.

**Ronald Dall** '54, political science, is an aquatic instructor at George Washington Community RECenter in Fairfax, Va. He resides in Alexandria, Va.

**Hugh Miller** '58, business administration, is a board member of the Monterey Bay Salmon and Trout Project and is involved with numerous training and education classes on the importance of restoration of native steelhead trout and salmon. He resides in San Jose, Calif.

## 1960s

**Linda Wagdy McGinty** '64, English, retired from teaching English at Normandy High School and became active as a volunteer at the Cleveland Museum of Art. She joined the Women's Council—a volunteer organization that supports the museum in fund raising, community awareness and volunteerism—and serves as chairperson of this 600-women organization. She resides in Parma, Ohio.

## 1970s

**Walter Anthony Davison** '70, Spanish, is a teacher for the Los Angeles Unified School District and resides in Valley Village, Calif.

**Rich Buchanan** '78, telecommunications, is an editor/producer for SmartTV at Cuyahoga Community College in Cleveland. He is married with two children and resides in Fairview Park, Ohio.

## 1980s

**Gregory C. Moore** '80, communications, works as a publisher

for Lee Enterprises, Inc. which publishes 400,000 newspapers weekly in Washington and Oregon. He resides in Everett, Wash.

**Jon Clark** '81, biology, has been promoted to professor in the Department of Zoology at Weber State University in Ogden, Utah.

**Robert Ruppel** '87, biology, is vice president of sales for NOAD Americas. He completed his master of business administration degree at the University of Dayton and resides in Atlanta.

**Richelle Burkey** '88, interpersonal communication, is an administrative assistant at Lourdes College in Sylvania, Ohio.

**Colleen Walsh Stack** '88, journalism, works as a feature writer for *Lake Front News* and a writer and associate editor for *Leisure Living Magazine*. She has four daughters and lives on Lake Erie in Lorain, Ohio.

## 1990s

**John Booth** '92, journalism, is a reporter at *Crain's Cleveland Business*. He has published a novel, *Crossing December*, and resides near Hartsville, Ohio, with his wife and daughter.

**Laural Lyn Didhan-Brooks** '94, biology, is a physical therapist for Orange County Schools. She resides in Long Beach, Calif.

**Rebecca Snell Reed** '94, geography, is employed with U.S. Xpress Enterprises, Chattanooga, Tenn. She is presently dedicated to one of the largest logistics companies in the United States and has been to 48 of the 50 states. She is married and resides in Sidney, Ohio.

**David Cornelius** '95, telecommunications, is a security analyst for Martin Bishop Camp Associates in San Francisco.

**Bryan Hausman** '95, biology, is a research assistant at Case Western Reserve University. He joined the orthopedics department in the School of Medicine and is studying the role of protein kinase inhibitor in regulating bone growth. He, his wife and daughter reside in Medina, Ohio.

**Amanda Jester-Melton** '95, interpersonal communications/Russian, is human resources

director of River Metals Recycling, LLC, in Kentucky. She resides in Franklin, Ohio.

**Todd Kleismit** '96, journalism, is director of government relations for the Ohio Historical Society. He resides in Columbus, Ohio.

**Jamie Schwaberow** '96, journalism, works for Rich Clarkson and Associates, an independent photography and publishing firm in Denver.

**Russell P. Wenzinger** '97, history, is a social studies teacher at Leipsic High School in Leipsic, Ohio. He resides in Deshler, Ohio.

**Constance Hausman** '98, biology, is working on her Ph.D. dissertation at Kent State University. She is studying the invasive Emerald Ash Borer beetle. Much of her research is conducted with the Toledo Metroparks system. She lives with her husband and daughter in Medina, Ohio.

**Karissa Marie Reese** '98, biology/pre-medicine, received her Doctor of Pharmacy degree from Ohio State University and is a clinical pharmacist for Medicap Pharmacy in Barnegat, N.J. She and her husband own an online retail sales company, Found A Deal, LLC. She resides in Toms River, N.J.

**Sarah Fredericks Koelsch** '99, psychology, in an enrichment director of assisted living for Alzheimer's residents at the Commons of Providence. She resides in Sandusky, Ohio.

## 2000s

**Amy Miller** '00, philosophy, is serving a two-year term as a

law clerk to Magistrate Judge P. Michael Mahoney in Rockford, Ill.

**Brittany E. Springer** '00, art education, is an art teacher for Clark County School District and resides in Las Vegas.

**Anthony Ryan Smith** '01, biology/pre-medicine, has accepted a position at Duke University Medical Center as a resident physician. He resides in Durham, N.C.

**Jessica Levy Auslander** '02, psychology, received her master of arts degree in counselor education from Ohio State University and is a school counselor at the Electronic Classroom of Tomorrow, an online charter school. She resides in Columbus with her husband, **Dan Auslander** '98, and they are expecting their first child.

**Aaron Czarnecki** '04, biology, was a contract fisheries technician with the U.S. Geological Survey in Sandusky, Ohio, and volunteered for the AmeriCorps Florida state parks program working on hurricane relief efforts.

**Laura Neidert** '04, journalism, is a graduate student in Kent State University's higher education administration program and resides in Macedonia, Ohio.

**Scott Thomas Sawyer** '04, political science, works in Guest Services at the Ritz Carlton in Pasadena, Calif. He resides in Los Angeles.

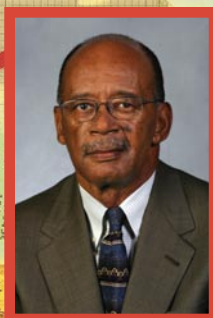
**Sean Ward** '04, computer science, is working on her Ph.D. in neuroscience at BGSU and works on campus at the Residential Computing Connection. **A&S**

## Look for us online

**Dimensions Online** allows us to send you timely information and news specifically related to the college as well as upcoming alumni activities and features on the college that appeared in our internal publications. While there is not a set schedule for **Dimensions Online**, it will come to you as often as necessary. If you have not received an issue, please supply us with your current email address by visiting our Web site: [www.bgsu.edu/edu/colleges/as/update.html](http://www.bgsu.edu/edu/colleges/as/update.html).



# A dvancing Arts & Sciences



## Arts & Sciences Advocate Logan Stone ...in his own words

In November 2003, I was invited to participate in a series of meetings in China as a member of a delegation representing the Society of Toxicology. As a scientific discipline, toxicology is becoming increasingly important in China given the tremendous industrialization that is now occurring in that country.

A key aspect of the trip was to attend the 5th Congress of Toxicology in Developing Countries held in Guilin, China and hosted by the Chinese Society of Toxicology. The meeting also served as a stepping stone toward enhancing ties with our fellow Chinese scientists since we visited and met with senior-level Chinese scientists and toxicologists in Beijing and Shanghai.

The visit was rewarding both professionally and culturally. Most importantly, we were able to establish several good friendships with our Chinese colleagues that continue to this day and potentially could lead to collaborating on future research projects. I have an interest in traditional Chinese medicine and had the good fortune to spend several hours discussing this topic with scientists from the Shanghai University of Traditional Medicine. I was surprised to learn that many of the scientists from that university as well as from other institutions had received their undergraduate and graduate degrees in the United States but had returned to China for faculty positions in academia.

How does a trip to China on a scientific mission relate to Bowling Green State University? The world is becoming increasing more complex and being able to communicate and compete internationally is essential. Having an understanding of other cultures helps break down barriers where they exist and leads to a better understanding and respect for others. Multinational, American-based companies actively look and recruit individuals who have either studied in a foreign country or have been involved in international projects on campus.

It is indeed gratifying to know that BGSU is committed to affording students the opportunity to learn about different cultures. The recent Conference on Students Global Competitiveness held at BGSU in January was one such program. Given the current conflict in Iraq and concerns over safety at home, BGSU's International Studies Program with its goal of working towards world peace is most appropriate.

I look back on my days as a student at BGSU with fondness. I am proud to be an alumnus of our great institution and am honored to be an Arts and Sciences Advocate. **A&S**

## Building Dreams

THE CENTENNIAL CAMPAIGN FOR  
BOWLING GREEN STATE UNIVERSITY

Thanks to more than 55,000 donors, the Building Dreams Campaign, the University's major philanthropic initiative, has raised nearly 90 percent of its \$120 million goal. These donors know how meaningful it is to support scholarships, faculty and staff enhancements, innovative programs and facilities. For more information about how you can support BGSU and impact future generations of students and faculty through the Building Dreams Campaign, contact the BGSU Office of Alumni & Development at 419-372-2424 or visit [www.bgsu.edu](http://www.bgsu.edu) and click on "Make a Gift Online."

## Telefund records a good year

A total of \$124,043 in gifts and pledges was given by College of Arts & Sciences alumni during the 2006 annual appeal.

Your generosity helped fund numerous activities that contributed to advancing our students, faculty and the programs mentioned in this issue that are preparing BGSU students for a global future.

Again this February, one of our students will be calling to ask for your support of the College of Arts & Sciences in 2007. Thank you for your continued confidence in your alma mater.

For more information about giving opportunities, please contact Erin Keller, major gifts officer, Office of Development, 419-372-9464.

# LONGITUDE&LATITUDE

## Where are you? What are you doing?

We now encourage our alumni to submit information about their professional accomplishments using our Web site: [www.bgsu.edu/colleges/as/update.html](http://www.bgsu.edu/colleges/as/update.html).

The form below is also provided. Please send it to Sarah Dias, College of Arts & Sciences, Bowling Green State University, Bowling Green, Ohio 43403-0133.

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