

## COLLEGE OF LIBERAL ARTS & SCIENCES

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### HAPPY HOLIDAYS!



**HAVE A SAFE AND  
ENJOYABLE WINTER  
BREAK...SEE YOU IN  
JANUARY!**

## Research Abounds at Kutztown University

Welcome to Issue No. 2 of *The Collage*, the newsletter of the College of Liberal Arts and Sciences at Kutztown University.

This issue, which covers some of the best work done by KU students over the past few months, will give you a good idea of the many different research opportunities our undergraduate students are able to take advantage of.

Research is a great way to gain hands-on experience in your field before moving on to graduate school or joining the work force. Many students conduct research to gain perspective on different opportunities that exist within diverse fields such as biology, psychology and sociology.

Some students, such as those in Professor Elizabeth Wolski's Principles of Sociology section, gain early experience in research by hearing first-hand accounts from primary sources. (See Page 2 for this story.)

Others, like Christine Dragan and

Cassandra Skinner, have the chance to receive funding to help them complete a research project. (See below for their story.)

On Page 3, you will read about an opportunity for psychology majors to show off their hard work to fellow students. You will also read the remarkable story of Matt Heinely and his wife, both KU alumni who were affected by Hurricane Katrina in August. Matt, who is currently pursuing a Ph.D. in psychology, has continued to do research since his graduation from KU.

Occasionally, a student has the opportunity to present research at a state-wide or national conference, as was the case with Ryan Fortenbaugh, featured on Page 4.

We are glad to be able to call attention to the work of so many students. We know the students featured in these articles represent only a small portion of the research done on this campus. So to all the rest of you: keep up the great work!

## Undergraduate Research Committee Awards Two Grants

Two seniors majoring in biology, Christine Dragan and Cassandra Skinner, were each awarded \$500 grants from the Kutztown University Undergraduate Research Committee.

Dragan, who plans to graduate this December, is working with Associate Professor of Biology Marilyn C. Bagninon on an experiment titled "Expression, Purification and Enzymatic Assay of Mutant and Native Phospholipase D."

Phospholipase D (PLD) is an enzyme that breaks down phospholipids, and can be found in the plasma membranes of cells in a wide range of organisms, such as viruses and bacteria, yeast, plants and mammals. The enzyme is not very well understood, according to Dragan, but it is known to be involved in cell signaling, or communication among different cells.

Dragan is building upon the research of a former KU student, who sequenced the native PLD gene and found it to contain the codon GCT, which codes for the amino acid aspartic acid. She constructed a mutated form of the PLD gene by altering one of the bases in the codon GCT to make GAT, which codes for the amino acid alanine. This is known as a point mutation.

She hopes to compare the two genes to see if cells containing the native gene break down phospholipids more effectively than those with the mutant gene, therefore determining whether or not aspartic acid is an essential component of PLD.

Through her research, Dragan is becoming familiar with many research tools and techniques. She has used in-vitro and in-vivo amplification, which

are two different methods of amplifying DNA to construct a longer chain. She has also used two different types of gel electrophoresis, which is a process used to isolate the proteins that make up PLD. She will use a process called an enzyme assay to analyze the enzyme activity of the PLD in both the native and mutant genes, which she will measure using a spectrophotometer.

After she completes her project, Dragan will present her research to students and faculty members of the KU Department of Biology.

"This is interesting research because a lot of diseases are caused by point mutations in amino acids, so my research could lead to other discoveries," says Dragan.

Skinner is working with Assistant  
*(See "URC" on page 2)*

## “Lost Boys” of Sudan Invited to Speak to Sociology Class

When James Malual Ajok and Gabriel Thon Akok were forced to walk away from their village in southern Sudan in 1988, they had no way of knowing that such a place as Kutztown University existed. Nor did anyone in the United States have any concept of the horrific journey that these two boys, and thousands of others like them, were about to endure.

On Tuesday, Oct. 18, after having watched the documentary film “Lost Boys of Sudan”<sup>6</sup> in September, students in Elizabeth Wolski’s Principles of Sociology class got to meet James and Gabriel. “Getting that firsthand account [of their experience] was a real honor...I don’t think many of us could compare our lives to theirs,” says Andrew Palamara, one student in the class.

One purpose of their visit was to generate awareness of the ongoing plight of many of these “lost boys” and of those still struggling to survive in war-torn Sudan. “Many of us live in a bubble and don’t really know what’s

going on around us,” says Wolski, who first became aware of the lost boys as an undergraduate at Lehigh University.

“After watching the documentary on the lost boys, I felt that I had to talk about it with everyone I saw that day. Surprisingly, no one I came into contact with knew or had even heard of the ‘Lost Boys of Sudan,’” says Natalie Miller, another student in the class.

In 1988, villages all over the southern region of Sudan were attacked by armies of the radical Islamist military regime that dominates the country to this day. Typically, the young boys like James and Gabriel were out doing their daily work of herding the village’s goats and cattle when the attackers came, killing most of the adult males and capturing the women and girls.

An estimated 17,000 children, mostly boys between the ages of three and 10, unable to return home, were forced flee for their lives into the harsh African desert without knowing which of their family members might be dead or alive. Those who did not die of hun-

ger, exhaustion or being attacked by wild animals eventually made it to Ethiopia, on Sudan’s southeastern border, where they settled in a variety of refugee camps.

After three years, more violence—this time in Ethiopia—once again forced them to flee. They walked back through Sudan and finally, in 1992, about half of the original number of survivors from the violence in Sudan found their way to the Kakuma Refugee Camp in Kenya, home to over 60,000 refugees from seven African nations.

In 2001, the U.S. government allowed 3,600 of the lost boys to be resettled around the country by various humanitarian agencies, which is how James and Gabriel finally came to reside in Quakertown, Pa.

They were among the lucky ones—still young enough to be enrolled in high school upon their arrival—but their lives were not immediately made easy simply by virtue of their coming to re-

*(See “Lost Boys” on page 4)*

## URC Awards \$500 Grants to Two Senior Biology Majors

*(Continued from page 1)*

Professor of Biology Nancy Butler<sup>3</sup> on a project titled “Effects of Nutrient Additions and Light Limitation on Phytoplankton Community Structure.”

This research is related to research Skinner conducted last summer on the Sea Education Association Semester<sup>4</sup>, where she studied the size and distribution of plankton in the ocean between Puerto Vallarta, Mexico and Papeete, Tahiti. This time, however, she is conducting her research in a small pond on a farm in her hometown of Weatherly, Pa.

Phytoplankton are photosynthetic single-celled organisms that occupy the first trophic level of the food chain, serving as an important sources of food for animals. The two primary factors that influence the structure and growth of phytoplankton communities, which Skinner will be examining, are light and nutrition levels.

Her experiment is designed using



*Christine Dragan (left) worked long hours in the lab to complete her research project. Cassandra Skinner (right) used a different approach, choosing to enjoy the great outdoors while doing her research.*

eight bags suspended on a rope attached to a float in the center of the pond. Four of the bags will be suspended just beneath the surface of the water, and four will be suspended at a depth of about two meters, where the light level is about 10 percent of the surface levels in this particular pond. At each depth, there will be one bag containing phosphates as a nutrient, one containing nitrates, one containing both and one control group containing neither nutrient.

The bags will stay in the water for a

period of one month, and Skinner will periodically take samples to study the effects that different light levels and nutrients have to the phytoplankton communities over time.

The nutrients Skinner is using in her experiment are commonly found in farm fertilizers, so her results can be used to determine the effects of fertilizer run-off on the pond’s ecosystem. This can then be used to

create an index for other local ponds that will help determine their levels of pollution by studying phytoplankton communities.

“This research is important, because the entire beck and call of life depends on phytoplankton,” says Skinner.

Zachary Artz, a senior majoring in geology who also received an Undergraduate Research Committee grant, was profiled in the previous issue of *The Collage*<sup>5</sup>.

## Eighteen Students Show Off Research at Poster Presentation

On Nov. 16, 2005, 17 psychology majors from Kutztown University and one from Penn State Berks had the opportunity to present their research at the Second Annual Student Research Poster Presentation<sup>7</sup>.

The presentation was co-sponsored by the KU Chapter of Psi Chi<sup>8</sup>, the National Honor Society in Psychology, and the Lehigh Valley Psychological Association<sup>9</sup> (LVPA), which is a local organization with about 200 members who are practicing psychologists, psychology students and faculty members of departments of psychology.

Psychology professor Raquel R. Akillas<sup>10</sup>, who is a past president and a current board member of LVPA, organized the presentation. She says, "It's purpose is to make students more aware of research in the diverse field of psychology."

The students presented nine different posters on subjects such as "The Effects of Gesturing and Imagery Words on Memory," "Benefits of Sensation Seeking on Stress and Contact," "Characteristics of Pictures of Insects with Fear and Disgust" and "High School Environment and College Life: Academic and Psychological Adjustment."

The presenters benefited by gaining valuable hands-on experience in conducting and presenting research, which, says Akillas, is now essentially a prerequisite for getting into a good graduate school in psychology.

"Presenting my research allows me to step back and see the amount of progress over the course of the project," says Jody Blumenfield, who co-presented a poster titled "Evaluation of Voluntary Eye-Movements and Face Perception Impairments in Individuals with Developmental Disabilities."

"The project becomes a part of you and you want to stick with it until the end," adds Alison Schoenherr, one of Blumenfield's research partners.

Presenting in a familiar forum at their own school is a great place to start for some presenters. Erin Machemer, who co-presented a poster titled "Explorations of Perceptual Learning: Enhancing Motion Perception Abilities Through Specialized Training," says, "I was surprised to see so many people there and it gave me

and the other students with whom I do research the confidence to move onto other conferences such as the Eastern

Psychological Association Meeting<sup>11</sup> [to be held in Baltimore in March 2006]."

According to many of the presenters, the presentation also successfully achieved the goal of sparking interest in research among those who attended. "I did speak to several students who

were extremely interested in both my presentation and how they could become involved in research," says Blumenfield. Over 400 students attended the presentation.

In addition to the nine posters, this year's presentation had a special guest speaker, KU alumnus Matthew Heinly, who is currently working towards a Ph.D. in Applied Biopsychology from New Orleans University. Heinly has several years of clinical experience with neuropsychological testing of patients with certain presenting problems, including strokes, brain injuries and chronic pain.

(See "Psych. Poster Presentation" on page 4)



Students line up outside the Second Annual Student Research Poster Presentation

## After the Hurricane, Matthew Heinly, KU Alumnus, Back in PA

Kutztown University alumnus Matthew Heinly, the special guest speaker at the Psychology Student Research Poster Presentation on Wednesday, Nov. 16, finds himself back in the area after a sensational series of events that began in Jefferson Parish, La., on Aug. 7.

That is when Matt and his wife, Cara (Weikel), also a KU alumna in psychology, went to the hospital after having attended only one birthing class and found out that, nearly eight weeks early, Cara was going into labor. Doctors were unable to suppress labor, and little Konrad Penn Heinly was born, weighing 5 pounds, 1 ounce, on Aug. 10.



Matt Heinly, a KU alumnus, is back in Pennsylvania after leaving the New Orleans area in the wake of Hurricane Katrina.

When Konrad was discharged from the hospital on Wednesday, Aug. 24, Matt and Cara had no way of knowing that, five days later, Hurricane Katrina would make landfall in Louisiana.

"We had been in the hospital for two weeks, totally engrossed in that part of our lives; we were completely oblivious to the outside world," says Matt.

Their first indication that something serious was going to happen came on Friday morning, three days before the storm, when a Cajun friend named Dennis called to tell the new parents that a big storm was coming.

"Dennis is basically our hurricane barometer—he calls and tells us when

a storm is coming and how bad it's going to be," says Matt, adding that Dennis and his wife are usually unconcerned and ride out most storms from the comfort of home. This time, however, they were leaving, and recommended that Matt, Cara and Konrad do the same.

By Saturday night, they were safely on their way to Jacksonville, Fla., where Matt's parents live. Expecting the evacuation to be merely a three-day "vacation," which was the norm for past storms, they had only packed a few belongings, but it ended up being three weeks before Jefferson Parish allowed residents to return and assess the damage to their properties.

When Matt and his friend Paul, who had also evacuated to Florida, returned in a rented truck to salvage what they

(See "Matt Heinly" on page 5)

## “Lost Boys”

(Continued from page 2)

side in the United States. They had to integrate themselves into a completely new society. For example, they had never even seen a computer before moving here, but now they were expected to use on daily in their schoolwork, something that many of us who were raised here take for granted.

In some ways, James's and Gabriel's story stood in contrast to the story told by the documentary film that the class viewed, as well as many news reports that have focused on the lost boys' experiences in America over the past four years.

These reports often focus on the great difficulty many of the boys have adapting to their new home “villages,” in many cases large cities like Boston, Mass., or Houston, Texas. James and Gabriel, on the other hand, seem to be doing quite well, especially in light of the extreme circumstances that have brought them to where they are today.

“The strength and courage that James and Gabriel possessed made me believe that they could adapt easily to any place, especially America,” says Quia Morrow, another student who had the opportunity to meet the boys.

Gabriel is now a political science major at Arcadia University, aspiring to eventually go to law school. James is a history major at Chestnut Hill College, and he hopes to be able to soon be reunited with his mother and sister, who he discovered just last year, after more than 15 years apart, are still alive in Africa.

**CONGRATULATIONS  
AND GOOD LUCK TO ALL  
DECEMBER, 2005, KU  
GRADUATES<sup>13</sup>, FROM  
THE STAFF OF THE  
COLLEGE OF LIBERAL  
ARTS & SCIENCES!**

Any questions, comments or stories you'd like to see included in the next issue of this newsletter?

Contact Dan Ruch, editor of *The Collage*...he'll be happy to listen.

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## Psychology Poster Presentation

(Continued from page 3)

His speech was titled “Does Money Make People Sicker? Validating Measures to Detect Malingerers.” Malingering is defined as lying about health problems, usually in order to gain benefits such as insurance money, paid leave from work or the military, or unnecessary prescription drugs.

He talked about submitting people who are suspected of malingering to a recognition test in which 50 items are presented to the patient, and then they are shown a second group of items and are asked to identify whether or not each item was in the original group of 50. People with dementia can usually score about 90 percent on such a test, so if a patient has an abnormally

low score it can be taken as a fairly sure sign that he is purposefully getting answers incorrect, and is malingering.

“[This presentation] is a new tradition that we're trying to keep,” says Akillas, adding, “We hope to get more colleges and universities from Lehigh and Berks Counties involved in the future.” This year, both Penn State Berks and Lehigh Carbon Community College sponsored buses to bring their students to KU to attend.

According to Akillas, this is one of only two opportunities for psychology students to present their research locally, the other being an undergraduate research conference<sup>12</sup> sponsored by the Lehigh Valley Association of Independent Colleges.

## Student Gives Speech at PSU Conference

Ryan Fortenbaugh, a senior who is majoring in Sociology, gave a presentation, “Sociological Theories and Education: a Comparison of Schools in Ecuador and the United States,” at the annual conference of the Pennsylvania Sociological Society. The conference was held Oct. 21-22 in State College.

Fortenbaugh spent four weeks in Cuenca, Ecuador, last summer, where he studied Spanish and spent time teaching English to elementary school students. It was his work with these students that interested him in doing school research.

His research relied on first-hand information from his trip to Ecuador and from a fellow Kutztown University student who is from Ecuador. He used schools in the Parkland School District as case studies of American schools.

Fortenbaugh examined schools in both countries from the perspectives of two theoretical frameworks: conflict theory and functionalist theory. Conflict theory, derived largely from the ideas of Karl Marx, addresses the “stress,” or conflict, that occurs throughout society and the ways in which this stress contributes to social change. Functionalist theory, on the other hand, focuses on the structure of society and how this structure is maintained.

In his research, Fortenbaugh found several differences in how children are educated in the two countries, most

notably that in Ecuador only a small percentage of children attend public schools, while greater proportions attend private schools compared to the U.S. Also, according to Fortenbaugh, the quality of education in private schools is much greater than that of public schools in Ecuador, while this difference is not as drastic in the U.S.

“After reflecting on the conflict and functionalist perspectives...I reached the conclusion that conflict theory relates best to the education in both the United States and in Ecuador,” says Fortenbaugh.

This claim, he says, is supported by the fact that educational inequities in both countries arise from the socioeconomic backgrounds of different students. This results in some students having better life chances and opportunities than others, leading to greater conflict among different groups in society.

This presentation was the second that Fortenbaugh gave as a student at KU. His first, which examined how the covers of *TV Guide* over the past 45 years reflects the evolution of popular culture, was presented with three other students at last year's KU undergraduate research symposium.

Fortenbaugh plans to graduate this December, and has a job lined up as a child care counselor at KidsPeace National Hospital.

## Matt Heinly's Research Continues Despite Hurricane Katrina

*(Continued from page 3)*

could of their belongings, they were stunned by the conditions they encountered. There was no electricity, no running water or septic and almost every tree had been knocked down.

It quickly became apparent that they could not live in what Matt describes as "Third World conditions," especially with a premature baby who is susceptible to disease, so Matt left his doctoral dissertation research and data behind in New Orleans and the family relocated to Pennsylvania.

For his dissertation, Matt has been attempting to revalidate different neuropsychological measures that evaluate language loss in patients with head injuries, while controlling for effort.

Findings in the past, he says, have largely failed to show a direct correla-

tion between the severity of a patient's brain damage and the extent of language loss experienced by the patient. Data instead shows, contrary to what one would expect, that language loss holds relatively constant regardless of the severity of the injury.

Matt's hypothesis is that, should he be able to control for the amount of effort patients are putting forth in the tests used to measure language loss, he will be able to find the expected correlation. That is, among patients who do put forth maximum effort in the tests, the severity of their brain injury will have a direct correlation to the extent of their language loss.

This is related to the work Matt has done on the subject of malingering, because the same recognition test used to expose malingerers can be used to determine the level of effort an

individual will put forth on other tests.

Matt's research experience started when he was an undergraduate student here at KU. As a requirement for his Experimental Design class he completed a research project, which he then presented at a conference in Scranton. Then, before going on to his Ph.D. program, Matt worked at a clinic where one of his patients suffered from a rare disorder. With the help of Dennis Rains, Professor of Psychology at KU, Matt developed and presented research on the disorder.

Now that Matt is back in Pennsylvania, he has written up proposals for Independent Review Boards here at KU to use the Department of Psychology's facilities to conduct related research concerning validation of neuropsychological measures in pain patient populations.

## First Ever Kutztown University Nursing Research Day a Success

On Thursday, Oct. 20, seven local leaders in the field of nursing research and education came to Kutztown University from six area colleges and universities to present at the first ever KU Nursing Research Day, "Nursing Excellence for Today and Tomorrow."

Suzanne Prestoy, Associate Professor of Nursing at KU, says she decided to coordinate the Nursing Research day because "we needed something more" to help expose KU nursing students to the possibilities of a career in nursing research.

The idea behind this event was to bring together a diversity of representatives from the local nursing community to stimulate interest in research and give students an opportunity they might not otherwise have readily available to them. The event was attended by 88 people, many of whom are current KU nursing students.

Ann Kolanowski, Associate Professor of Nursing at Penn State University, delivered the keynote address, titled "The Ins and Outs and Ups and Downs of a Research Career." Dr. Kolanowski spoke about a variety of topics, including her own research career, which has mainly focused on developing and testing non-pharmacological interventions for the "disturbing behav-

iors" often exhibited by persons with dementia. She also stressed the importance of getting an advanced degree and seeking out continuing education experiences, even after obtaining a Ph.D.

Some of the other speakers presented research focused on nursing education. Professor Kathy Devlin Kelly of West Chester University discussed the problem of the limited number of minorities in nursing programs at many universities by exploring "The Lived Experience of Minority Nursing Students at WCU."

Janeen Bartlett Sheehe, Chair of the Robert Packer Department of Health Sciences and Physical Activity at Mansfield University, and Lois Schoener, Director of the Nurse Education Department at Elmira College, discussed the importance of developing consistent forms of student evaluation in their presentation, titled "Primary Trait Analysis."

Others, such as Ilene Prokup, Chair of the KU Department of Nursing<sup>14</sup>, presented their own research on topics of interest to them. Professor Prokup's

talk, "Do Spiritual Practices Influence Colorectal Cancer Screening?"



*Dr. Ann Kolanowski of Penn State University, gave the keynote address at the KU*

links between a person's religious affiliation and their likelihood to commit to the early screening that is needed to catch many forms of cancer before they reach advanced stages. This research has the potential to help better target and reach out to certain audiences to encourage such early screening.

Janice Beitz, Director of Nursing Certificate and Distributive Learning at LaSalle University, and Earl Goldberg, Assistant Professor in LaSalle's School of Nursing, presented their research on the complicated problems that can arise during wound-healing in their talk, "The Lived Experience of Having a Chronic Wound: A Phenomenological Study."

"This was a great opportunity for students to see a real-life research conference," says Dr. Prestoy. Encouraged by this year's success, she hopes to be able to make this a yearly event, bringing in even more representatives from local colleges, universities and hospitals.



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2. KU Undergraduate Research Committee - <http://www.kutztown.edu/committees/urc>
3. Dr. Nancy Butler - <http://faculty.kutztown.edu/butler>
4. Sea Education Association Semester - [http://www.sea.edu/home/index\\_flash.asp](http://www.sea.edu/home/index_flash.asp)
5. Previous issue of *The Collage* - [http://www.kutztown.edu/academics/liberal\\_arts/pdf/sept\\_oct\\_2005.pdf](http://www.kutztown.edu/academics/liberal_arts/pdf/sept_oct_2005.pdf)
6. "Lost Boys of Sudan" - <http://www.lostboysfilm.com>
7. Student Research Poster Presentation - [http://faculty.kutztown.edu/rakillas/2005\\_Presentation.html](http://faculty.kutztown.edu/rakillas/2005_Presentation.html)
8. KU Chapter of Psi Chi - [http://www.kutztown.edu/acad/psyc/psi\\_chi.htm](http://www.kutztown.edu/acad/psyc/psi_chi.htm)
9. Lehigh Valley Psychological Association - <http://www.lvpsych.org>
10. Professor Raquel R. Akillas - <http://faculty.kutztown.edu/rakillas>
11. Eastern Psychological Association Meeting - <http://www.easternpsychological.org>
12. LVAIC Undergraduate Psychology Research Conference - <http://www.lvaic.org/student/psych-conf.html>
13. December, 2006 Commencement - <http://www.kutztown.edu/commencement>
14. KU Department of Nursing - [http://www.kutztown.edu/academics/liberal\\_arts/nursing/index.shtml](http://www.kutztown.edu/academics/liberal_arts/nursing/index.shtml)
15. Criminal Justice Association - <http://www.kutztown.edu/activities/clubs/crj>
16. Environmental Action Club - <http://www.kutztown.edu/acad/envsci/forum.html>
17. Math Club - <http://math.kutztown.edu/math/club.asp>
18. KU NCTM Chapter - <http://math.kutztown.edu/mathed/club.asp>
19. Philosophy Club - [http://www.kutztown.edu/academics/liberal\\_arts/philosophy/club.shtml](http://www.kutztown.edu/academics/liberal_arts/philosophy/club.shtml)
20. KU Student Clubs - <http://www.kutztown.edu/admin/studact/orgs.html>

## What Have Kutztown University's Student Clubs Been Up To?

The many student clubs associated with the College of Liberal Arts and Science's 16 departments had a busy semester, full of fun, educational and inspirational activities. Here are just a few of the many events you may have missed out on if you are not a member of any of these remarkable groups.

The **Anthropology Club** hosted a "Day of the Dead" party on Nov. 1, participated in a Native American Party on Nov. 8 and had an end-of-semester party on Dec. 6, but they did more than just party. They had several speakers, Kutztown University students and faculty members, come to their weekly meetings and discuss topics such as the Day of the Dead and archaeology.

The **Biology Club** earned \$420 selling pizza kits as a club fundraiser. They also joined the **Environmental Action Club** to participate in a trail cleanup at nearby Nolde Forest, and are planning to get together over winter break for a ski trip at Blue Mountain.

The **Chemistry Club** hosted a trip to the Villanova University Graduate School Open House, the Berks Blood Bank testing lab and the Temple Univer-

sity Graduate School Open House. They also raised nearly \$150 for the club by hosting a bake sale in November.

Presentations by officers from the Ocean City, Md., Police Department, and by Berks County Prison Warden George Wagner were hosted by the **Criminal Justice Association**<sup>15</sup>.

The **Environmental Action Club**<sup>16</sup>, in addition to organizing the Nolde Forest trail cleanup, is already busy planning next semester's Earth Day.

On Nov. 19, the **Geology Club** hiked to the Pinnacle, which is the highest elevation in Berks County. Members were also invited to join the Outdoors Club in a caving trip to Kentucky over Thanksgiving break.

The **History Club** held a successful bake sale and took a trip to Eckley Miners' Village in Luzerne County, Pa. They also had several members of the Department of History faculty discuss topics of interest at their weekly meetings.

Greg Collins, a KU graduate, spoke to the **Math Club**<sup>17</sup> on Nov. 15. He gave a presentation on "Three Proofs

of Impossibility."

The **National Broadcasting Society** held a Thanksgiving dinner, elected new officers for next year, and hosted a Holiday Polyanna party.

Twenty-five students from the **National Council of Teachers of Mathematics**<sup>18</sup> (NCTM) student affiliate traveled to Harrisburg on Oct. 27 to attend the Pennsylvania NCTM Conference.

Along with the Minority Achievement Coalition, the **Philosophy Club**<sup>19</sup> cosponsored a discussion by Glenn Ellis on "Race in Medicine" on Nov. 16.

The **Pre-Professional Health Science Club** hosted KU alumnus Trevor Curry, and a speaker from Temple University on podiatric medicine, at their weekly meetings. Members also traveled to the Temple University Podiatry School Open House and to a "Bioethics of Stem Cell Research" presentation at Lehigh University.

Members of the **Social Welfare Club** took a trip to New York City on Dec. 3 and took the Tenement House Museum immigration tour.

**Don't miss out on any more of the fun. Join a club<sup>20</sup> today!**