

Logical Times

"News You Can Count On"

Denison University

Spring 2006, issue 2

Student Awards

The department honors its most outstanding students each year with several endowed awards. These were announced on April 19.

Nicole Scholtz was awarded the prestigious *Anderson Scholarship*. This award covers full tuition for two years and guarantees Nicole an Anderson summer research fellowship next year. She was chosen from among all Denison science students for this award.

Colleen Hughes was awarded the *Alice Hutchinson Lytle Award*. This award, established in 1970, is awarded to the senior female who has earned the highest cumulative GPA in mathematics and computer science courses during her first three years.

David Nassar, Jenny Swank, and Megan Warner were awarded the *Chosaburo Kato Memorial Award*, which was established in 1965 and is awarded to the most promising junior(s) in the department with both good character and the recommendation of the faculty.

The *Forbes B. Wiley Award* is given in memory of its namesake, who taught Mathematics at Denison from 1910 to 1956. **Rachel Grotheer, Lindsey Nikolai, and Nicole Scholtz** won the award for work done in their first years. **Pam Arbisi and Evan Starr** won for work done in their first two years.

Colleen Hughes was awarded the *John L. Gilpatrick Award*, which was established in 1914 in memory of its namesake who taught Mathematics at Denison from 1874 to 1912, and is awarded to the most outstanding senior major in the department as determined by the faculty.

Dan Bucatanschi and Colleen Hughes were awarded the *Ethan D. and Hallie Roberts Memorial Award*, which is given to a senior who has completed an outstanding research project.

Jon Gober, Rachel Grotheer, Heather Kincaid, Vidula Menon, Punya Navaratnarajah, Nicole Scholtz, Sitanshu Shah, Linda Staubach, and Matt Steinke were inducted into Pi



Members of Pi Mu Epsilon at Dr. Hutson's house for the induction ceremony

Mu Epsilon, the mathematics honor society.

Graduating Seniors

Be sure to wish our graduating seniors luck in their future endeavors! Here is what some of them have planned.

Dan Bucatanschi was offered admission to graduate programs at Northeastern and Columbia, but is still waiting to hear about funding.

Eric Eilberg applied for a job at CMU and a few other robotics companies, but has not yet heard anything.

Bill Froehlich will be heading home to Avon Lake, Ohio this summer to look for a job.

Pancham Gajjar will be working in NYC as a treasury associate for Credit Based Asset Servicing and Securitization LLC (C-BASS). She also hopes to pursue her MBA sometime in the future.

Robey Holderith will be running to DC shortly after graduation (no time to relax) to do research at the Center for Advanced Defense Studies. At C4ADS he will help discover and implement new techniques to predict, prevent and resolve conflict. He will be working with Sergey Kanareykin '03.

Colleen Hughes will be at the University of Nebraska-Lincoln this summer in their IMMERSE program for pre-graduate students. In the fall, she will be heading to Clemson University for graduate school in mathematics.

Kristi Oches will be moving to Columbus and working for American Electric Power as an Energy Analyst.

Lindsay Pears will be teaching high school math in Houston, TX as a 2006 Teach For America corps member.

Matthew St. John is going to Colorado State University for graduate school to study Artificial Intelligence.

Jason Salazer-Adams has been accepted into both the Masters of Operations Research program at N. C. State University and the Masters of Science Management in Operations Research program at the Wetherhead School of Management at Case Western Reserve University. He has not yet made a final decision.

Nate Schmidt will be attending The College of William and Mary to pursue his Masters or PhD in Computer Science.

Summer plans

Many of our continuing students have some exciting summer plans. Here is what some of them will be doing this summer.

Pam Arbisi '07 will be staying at Denison over the summer researching links in complete graphs, specifically K_7 , with Dr. Ludwig. She will also be attending Undergraduate Summer School hosted by Park City Mathematics Institute in Park City, Utah.

Sam Behrend '09 will be doing research with Dr. Krone regarding the development of an automatic verifier of assertions when processing functions.

Laura Berger '07 will be at Denison this summer doing psychology research with Prof. Hutson-Comeaux on men and women's emotionality.

Matt Bishop '09 will be a camp counselor at Bethel Horizons camp near Dodgeville, Wisconsin. The camp is ELCA Lutheran affiliated, and does outreach bringing inner-city kids to the outdoors.

Jeff Camealy '08 will be going to a Younglife camp with students from Granville High School for the beginning of the summer. He will then go to China for an 8 week internship at a graduate school, where he will work in the university library, tutor oral english, and update the school's website.

Erin Davidson '07 will be working for Conference Services here at Denison for about 12 weeks. One week of vacation will be spent volunteering for the Appalachia Service Project (www.asphome.org), an organization that does basic home-repair. She is also thinking about training for a half-marathon and starting her senior research incorporating mathematics with dance.

Rachel Grotheer '08 will be spending 6 weeks (May 15-June 28) in Montpellier, France on a mission project with Campus Crusade for Christ. She will be a part of a team of other students from Wisconsin, Minnesota and Iowa. Following that, she will spend 4 weeks in Besancon, France taking a couple courses in French with Dr. Christine Armstrong and some other students from Denison.

Aaron Jackson '07 will be researching the modeling of star formations with Dr. Doty in the Physics Department. He will also hopefully be taking a course at OSU-N and tentatively, be working with Dr. Paul, Chris Faur, and Dr. Bressoud to develop a way to use idle public lab computers in a distributed grid-like computing network for research projects involving heavy computations.

Heather Kincaid '08 will be working at Andrew's Air Force Base in Camp Springs, MD in a Precision Measurement Equipment Lab. She will be working in the scheduling area where units from all over the base and Air National Guard Units in the surrounding area drop off equipment to be calibrated. This will be her third year with PMEL.

Joanna Kreiselman '09 will join the June-Orientation staff, helping the upcoming freshmen prepare for fall semester. She will also go through RA training in August in order to serve as Gilpatrick Fellow for the 2006-2007 school year.

Eric Locklear '08 is still deciding between two summer internships, one with Abercrombie and Fitch doing allocations and planning, and the other as a financial representative with Northwestern Mutual Financial Network.

Chelsea MacNealy '07 will be working this summer as a Risk Analyst at Marsh USA, of Marsh and McLennan Companies, in Chicago.

Ashley Malone '09 will be working at Value Nutrition Center and taking a month off to stay at her family's cottage on Lake Erie.

Vidula Menon '08 will probably be interning this summer at Barclays in Bombay.

Amanda Moore '09 will be studying (n,k) -frames, specifically 3-uniform frames and the graph theory applications of 2-uniform and 3-uniform frames, this summer with Dr. Neal.

Caitlin Morris '07 will be studying abroad in Tokyo, Japan and participating in a field experience at an accounting firm.

David Nassar '07 will be doing research with Dr. Maciej Zborowski at the Lerner Research Institute in Biomedical Engineering.

Nicole Scholtz '08 will be working at the NASA Glenn Research Center in Cleveland with the Power and Communications Systems Analysis Office. Their main project is using and maintaining the model of the power system for the International Space Station, and she will likely be involved in a project modifying this code for various other spacecraft.

Evan Starr '07 will be doing research this summer with Dr. Ludwig in Graph and Knot Theory.

Jenny Swank '07 will be doing a lot of traveling and brushing up on her golf game.

Louvie Tuckker '09 is doing summer research with Professors Bressoud and Krone.

Mete Tuzcu '07 has an internship with Hewlett Packard for the summer. He

will also be attending the UIFI (Undergraduate Interfraternity Institute) between May 13-17. Then he will go back to Turkey to see his family and friends.

Megan Warner '07 will be attending the NASA Academy at NASA Glenn Research Center this summer. She is not exactly sure what she will be doing yet, but it will be in the materials division.

Goodbye from Dr. Hutson

In case you haven't heard, I will be leaving Denison University at the end of this academic year to return to Furman University in Greenville, SC. Before I leave, though, I wanted to say 'thank you' to the faculty, staff, and students (both current and former) for making my time here such a special time. It has been my pleasure to come to work here everyday. The Mathematics and Computer Science faculty at Denison are always willing to engage in conversations about teaching and interesting research: two of my favorite subjects! More than that though, each of these faculty members works extremely hard to make sure a Denison Mathematics/Computer Science education is a worthy and fulfilling endeavor. Their commitment to Denison students and to each other has inspired me to be a better teacher and researcher. Denison students are bright and motivated, and I will miss walking into class seeing your smiling (and sometimes puzzled) faces. I won't forget your willingness to indulge me with my Moore method/discovery approach to teaching. I also won't forget your willingness to take exams that were always about 15 minutes longer than the class period. For those of you that had a class with me, I hope that you took away an impression that mathematics is beautiful and applicable! Take care, and I hope that you will find productive ways to use your knowledge of mathematics and computer science in your future.

I hope you will be willing to keep in touch with me after we part ways. You can get my new email address from one of the faculty. Goodbye Denison; I will miss you!

