



Computational Times

Newsletter for the Wittenberg University Department of Mathematics and Computer Science

<http://www.wittenberg.edu/mathematics/>
http://www.wittenberg.edu/computer_science/

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VIEW FROM THE DEPARTMENT CHAIR

With Professor Nancy Saks' announcement that she intends to retire (this year being her last), the department has begun the search for her replacement. Getting permission to begin the search can take a long time so over the summer I prepared our request and on August 6, I sent it into the proper faculty committee figuring it would be the first one looked at when the committee held its first meeting in late August. Alas, I was surprised to learn that another department (foreign languages) had beaten me to the punch and had a request in even earlier than mine! Nevertheless we got the official go-ahead for a candidate search in October with a January 15th cut-off date when we will begin reviewing applications.

The year Bill Higgins is on a sabbatical/leave of absence in California where he and his wife Aparna, a math professor at the University of Dayton, are teaching at California State University—Channel Islands. As a sabbatical replacement for Bill, we were able to recruit Don Mills who came to us from Illinois State University. Bill and Don met at West Point in 2000-01 when Bill was on another sabbatical/leave of absence.

This is my last semester as Chair of the Department of Mathematics and Computer Science. I'm taking a half-year sabbatical beginning in January so Doug Andrews, who was slated to take over as full time Chair starting next year, will be taking over a semester early.

As I reflect back on my 5 ½ year as chair, a lot has happened. Three members of the department have either moved on to other jobs (Barbara Ashton, now teaching in NYC) or retired (Jim Noyes and soon Nancy Saks) only to be replaced by new faces in the department – Adam Parker, Steve Bogaerts and an as-yet-to-be-named computer scientist. Jim Noyes' vision for a Computational Science program is up and running with Eric Stahlberg ably serving as Director of the Computational Science program and as a part-time faculty member in the department – another new face. We revised both the Computer Science and Mathematics majors (adding a statistics “track” and an applied mathematics “track” to the B.A. degree in mathematics). My only regret is that we lost the visiting position in mathematics (and the good people who staffed the position) during the Spring 2006 campus wide staffing cuts. We were able to convince the faculty committee in charge of such things to recommend that the position be re-established as a tenure track position (which is pending administrative action). We do have three first-rate part-time adjuncts, Moez Ben-Azzouz who also teaches at Sinclair CC, Kathy Johnson who is Coordinator of the Math Workshop and Garry Barhorst who also teaches at Shawnee High School.

Finally I'd like to thank all the members of the Department for their help and support during my tenure as chair. Any success I've had as chair is a reflection of their creativity and willingness to work hard in support of the department and Wittenberg. Special thanks goes to Sharon Shambaugh, our departmental assistant, whose unflagging cheerfulness and apparent limitless knowledge on about how things work and how to get things done made coping with the administrative details easy.

Brian Shelburne

IN THE SPOTLIGHT: A TRIBUTE TO WILL HAHN

Dr. Samuel Wilfred (Will) Hahn, Professor Emeritus of Mathematics at Wittenberg, was a true carrier of the Witt Light. Throughout his 25-year Wittenberg career, Will Hahn inspired countless students, colleagues and alumni with his passion for teaching and service to the mathematics department, the university, and the Mathematical Association of America - both on the regional and national level.

Lanty Smith, chairman of Wachovia Corp., founder and CEO of Tippet Capital and a 1964 graduate of Wittenberg, was one student whom Hahn inspired. "Will Hahn epitomized what a superb professor at a liberal arts college should be," Smith said. "He used his exceptional scholarly intellect and abiding interest in students to be a remarkably effective teacher, counselor, mentor and role model. He profoundly influenced the careers and lives of many dozens of his Wittenberg students."

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IN THE SPOTLIGHT (cont.)

In light of his dedicated service, the university's Alumni Association bestowed on him its most prestigious recognition, The Class of 1914 Award, given to an individual from the university community who has served Wittenberg above and beyond what might be expected of any contributor to the university's welfare.

For his career of 25 years at Wittenberg, he taught math and served regular terms as Chairman of his department. For a time he was Associate Dean of the College and was a dependable member and chairman of many campus committees. Outside Wittenberg, Hahn held national offices with the Mathematical Association of America (MAA) and served as Chairman of its Ohio Section. For many years he was an active participant in the National Science Foundation's program of summer seminars for mathematicians. Dr. Hahn was the first Ohio mathematician to receive the MAA Certificate for Distinguished Service.

After retiring in 1983, Dr. Hahn and his wife accepted one-year appointments to teach at Wake Forest University in NC (1983-84), Washington and Lee University in VA (1984-85), the South Dakota School of Mines and Technology in Rapid City (1985-86), and California Lutheran College in Thousand Oaks (1986-87). From 1987, the Hahns remained in Springfield--hosting and visiting friends, corresponding with former students and colleagues, traveling South periodically to care for ailing relatives, and attending symphony concerts near and far. Always they remained active members of First Lutheran Church, where Dr. Hahn sang tenor in the choir into his 80s and periodically served on the church council.

In May 2002, Dr. Hahn's beloved wife Marty, former librarian of South High School, died in Springfield after a long illness. Five years later he suffered a stroke and moved to Westminster Village in Muncie, IN. He is survived by three children (Stephen (wife Anne) Hahn of Baltimore, MD; Dale (wife Beth) Hahn of Muncie, IN; and Carol (husband David) Cooper of Cincinnati, OH) and five grandchildren (Hilary Hahn; Leslie and Laura Hahn; and Andrea and Jamie Cooper).

In a tribute to her grandfather's memory, Hillary Hahn, Grammy Award-winning internationally acclaimed concert violinist and granddaughter of William Hahn, will share her talents with Wittenberg and the Springfield Community in a special Witt Series recital sponsored by Margaret and Lanty Smith. The tribute recital will take place March 3rd, 2009, 7:30 P.M. at Kuss Auditorium, Clark State Performing Arts Center. Tickets may be reserved by calling the box office at Clark State Performing Arts Center, 937-328-3874. They will hold them there to be picked up on the night of performance.



Award-winning violinist Hillary Hahn

MATH AND COMPUTER SCIENCE STARTING SCIENCE OUTREACH PROGRAM

The department of Mathematics and Computer Science will be an integral part of a new science outreach program to High School and home-schooled students from the Springfield area.

Beginning in January 2009, The Wittenberg Saturday Science Program will provide a supportive learning environment associated with traditionally challenging subjects in Science, Technology, Engineering, and Mathematics (STEM fields), the program hopes to foster a positive connection between the students and the subject matter. In the future, it is hoped that the students may eventually major in a STEM field, either at Wittenberg or at another institution.

This program will run once a month during the school year. Each month, a different science department will host the program. There will be an hour-long public lecture on an interesting and accessible topic, after which a continental breakfast will be provided for the students. Finally there will be a hand-on experience to illustrate the lecture. The lecture is open to the public and current Wittenberg students will help run the hands-on part of the program.

Host departments will include Biology, Chemistry, Computer Science, Environmental Studies, Geography, Geology, Mathematics, Physics and Psychology. Mathematics will be hosting the first session on January 24th, 2009, with Computer Science hosting in the fall of 2009. You can see the schedule of future talks at www.wittenberg.edu/science-outreach.

Dr. Adam Parker in mathematics and Dr. Steven Bogaerts in Computer Science are helping to organize the program. Dr. Parker notes, "The first time that a student sees science outside of a textbook can be a powerful experience – both for the student and the teacher. We hope that this outreach program will have a dramatic effect on both high school students from the Springfield area, as well as our current Wittenberg STEM majors."

DON MILLS: VISITING PROFESSOR

In lieu of Bill Higgins' sabbatical in California, the department welcomes Don Mills as a visiting professor here at Wittenberg. Don obtained his Ph.D. in mathematical sciences from Clemson University in 1999. Since then, he has taught at the United States Military Academy, Southern Illinois University Carbondale, Southeastern Louisiana University, Rose-Hulman Institute of Technology, and Illinois State University.

Don's research interests include finite fields and combinatorial number theory. Finite fields have applications to secure communications, such as online credit card purchases, decoding television signals in cable boxes, cryptography, and information theory. Combinatorial number theory involves the use of well-known sequences such as the Fibonacci, Lucas, and Pell sequences. Outside of academics, he enjoys biking, hiking, crafting, ceramics, and learning how to do new things, such as playing the guitar and jazz-dancing.

Teaching at Wittenberg has given him insight into the Wittenberg life. "The major difference I have noticed at a small liberal arts school like Wittenberg is the vitality of the learning atmosphere as expressed by both students and faculty. The educational experience at a liberal arts school is focused on developing the individual as a whole, rather than simply preparing someone for the world of work."

After a good first semester, Don will be teaching two sections of both Business Calculus and Calculus I in the Spring semester. He looks forward to interacting with more students this spring, describing them as friendly, upbeat, and eager-to-learn.



Don Mills

GRADUATE DATABASE COMING!

With Wittenberg's tradition of passing on the light to others, Professor Doug Andrews and his assistant Kate Snead are working on compiling a database of graduates in the math and computer science departments.

The graduate database will contain loads of information, including their pre-Wittenberg life; their interests, major, activities, and research as an undergrad; their current job, graduate school, and/or family life; and most importantly, their reflection of the most and least valuable programs here at Wittenberg.

When the database is complete, it will serve as a contact source for students looking for direction in their major, job and internship opportunities, and answering those hard questions about post-Wittenberg life. Graduates will also be able to see various research projects and student accomplishments currently going on at Wittenberg.

The database will not only continue a strong bond between Wittenberg graduates and the math and computer science department, the information collected from the graduates will give feedback on how to structure future math and computer science programs to do the most good.

Graduates and current seniors, be on the look-out for the graduate database web-form on the math department homepage. If you have any questions or would like to contribute to the graduate database, you can contact Doug Andrews at dandrews@wittenberg.edu or Kate Snead at s10.ksnead@wittenberg.edu.

MAJOR NEWS

Kile Eichenauer (math '09) is from West Liberty, OH and some of his favorite hobbies are playing baseball, football, and water sports. Also, he will be student teaching this spring at Springfield High School, but he hopes to get a permanent job at a more rural school. In addition, he wants to coach Springfield High's baseball team during the spring.

Michael Doerschuk (math '11) has not been up to a lot—just working away as a double math and econ major and a tutor in the math workshop. He also recently became the secretary of Wittenberg's MAA Chapter.

Rebecca Atkins (math and computational science minors '10) spent the past summer researching the effects of Selenium Binding Protein-1 on esophageal adenocarcinoma as well as analyzing the expression levels of genes and their effect on chemosensitivity.

Sarah Braden (math '10) has been playing soccer and she is the fundraising chair for the Up 'Til Dawn executive board, which helps raise money for St. Jude's Hospital. Also, she's a Spanish minor and is planning on going to Africa this summer with Professor Scott Rosenberg.

Last summer **Janelle Mahowald (computational science minor '10)** did computational chemistry research here at Wittenberg with Dr. Houseknecht working with solvation effects on the acetylation of phenols. This spring she will be studying abroad in Le Mans, France.

MAJOR NEWS

Alyssa Armstrong (math '09) has been spending most of her senior year readjusting to Wittenberg life after spending a semester abroad in Hungary. She is currently working on her thesis problem, called the "Pancake Problem," dealing with flipping parts of permutations. She is also in the midst of applying to graduate school, and is busy writing those essays for applications.

Amanda Furness (math '10) spend this past summer participating in an REU at Louisiana State University learning about algebraic topology and skein modules.

Monica Karsai (math '09) is the president of her sorority and is applying to be a leadership consultant for her sorority. Afterwards, she is going to graduate school for a Ph.D. in clinical psychology.

Kate Snead (math '10) is currently working with Dr. Andrews; they are compiling information about our math and computer science alum. They hope to have a web source out, early in the Spring '09 semester, for current majors seeking information about our Alums' experiences at Wittenberg, with graduate schools, and at work.

Ben Scott (math '09) is the president of his fraternity and a faculty aide for Dr. Tiffany. Over the summer he raced sailboats and next summer he is going to Lesotho, Africa. His senior honors thesis concerns testing economic models of crime with respect to medicinal marijuana laws.

Steve Sexton (math '09) is doing his student teaching at Northwestern High School, teaching Algebra I, Senior Math, and Pre-Calc. Over the summer he worked at Bill Marine Auto Center and his father's shop, and is currently restoring a '67 Buick Skylark.

Danny Hall (math '10) went on a medical mission trip to El Fuerte and Copper Canyon, Mexico, over the summer to provide basic medical and dental care to underprivileged Mexicans and Tarahumera Indians.

Hannah Scherger (math '09) did an internship over the summer at the Air Force Institute of Technology at Wright Patterson Air Force Base in the Engineering Physics department—specifically Nuclear Engineering. This spring she will be student teaching at Springfield Catholic Central High School.



Math Seniors strike a pose in their "What Ups!" shirts

Louise Niu (math and computational science minors '10) spent the summer at the University of Michigan, Ann Arbor, doing physics research. She was harassed by the Maize and Blue color people. This Christmas she is going to Hawaii with her family and visiting Japanese hot springs there.

James Duff (math minor '10) has been doing research on electromagnetic software with Dr. Fleisch.

Marshall Zarecky (math '09) wrote a paper about solving a combinatorial problem and had it accepted to the 2008 MCURCSM journal. He also has been busy applying to graduate schools, tutoring in the math workshop, and looking into various programming languages.

Whitney Hull (math '09) will be student teaching for the spring semester at North Canyon High School in Phoenix, Arizona. She has applied to two different teaching agencies that place new teachers in private and independent schools in the south and on the east coast. She is hoping to be a high school geometry teacher.

Cal Wessels (math '11) worked as a sports camp coach over the summer, working with kids ages 6-14. This coming semester, he will be doing research into beta radiation decay in potassium 40.

According to **Aaron Dugger (math '10)**, he actually hated math his whole life until spring semester freshman year. Now he's a math major!

We'd love to hear from any departmental alums. Please take a few minutes to drop a line to dandrews@wittenberg.edu to let everyone know what you're up to these days. And are there some fellow alums you'd like us to help track down? Send us a few leads, and we'll do our best to help find your old buddies. Thanks!

FACULTY NOTES

Steve Bogaerts Over the summer I worked in the Research Informatics Core at Nationwide Children's Hospital in Columbus. My primary focus was the development of the eConsent system, for obtaining and tracking patient consent while enforcing hospital protocols. I also worked on the requirements specification for an educational image repository, studied various web development technologies, and observed and participated in the software engineering practices in place there. These experiences are guiding the structure of the current computer science senior seminar course.

In September I attended the Midwest Grid School at the University of Chicago. At the school I worked with the Open Science Grid, a national computing infrastructure for distributed computing applied particularly to science research. I hope to incorporate some of this material into a future course.

Also in September, the paper "Formal and Experimental Foundations of a New Rank Quality Measure," which I wrote with a colleague, was presented by my colleague at the Ninth European Conference on Case-Based Reasoning. The paper presents the development and utility of a novel measure of the performance of conversational case-based reasoning systems.

Doug Andrews Summer was productive and relaxing. In August I joined about 5000 other statisticians at the big summer stat meetings (in Denver this year), at which I presented a paper on how to structure effective long-term group projects for intro stat courses. I also enjoyed a couple weeks of hiking in England and a week-long bike trail trip from Pittsburgh to D.C., as well as the List-Dennett wedding in August.

I have something unusual in the works this semester: there are three senior math majors on our new Stat Track, and for their senior seminar I'm leading them on stat consulting practicum of sorts. One of our clients is Project Jericho – a local arts outreach program (that just won a huge national award!) that works with county social service agencies. We're designing and carrying out a study to help assess the impact of their after-school programs for Springfield youth, so they can justify more funding and support from granting organizations. Our other client is a local neuromuscular therapist, and we're helping her design and implement a neat study on jaw flexibility, the results of which she'll present at a conference next year. This is the first time we've tried a consulting seminar like this, and it's a great experience – for the students, for the clients, and for me, too.

Eric Stahlberg Dr. Stahlberg has been busy getting Wittenberg's new 'Geek House' online. Working with students and many university stakeholders, the Geek House has developed into a focal point for many student technology projects on campus. Dr. Stahlberg also continues to pursue efforts involving emerging accelerated computing technologies. He was on the program committee for the High Performance Reconfigurable Computing Technology and Applications workshop at the Supercomputing 2008 conference. While at the conference, he also lead a Birds of a Feather session on testing and validating applications on hybrid computers that utilize multi-core processors, graphics processing units and field-programmable gate arrays. Dr. Stahlberg has also been active in supporting regional Future Jobs efforts to build a workforce for tomorrow in areas of health information and image processing sectors.

Don Mills Dr. Donald Mills is a visiting assistant professor of mathematics at Wittenberg for the 2008-09 academic year. Dr. Mills earned the Ph.D. in mathematics from Clemson University in 1999, and has taught at, among other places, the United States Military Academy, Southern Illinois University-Carbondale, and Illinois State University. When not teaching or doing mathematical research, Dr. Mills can be found hiking, biking, jazz dancing, making ceramics objects, playing the guitar, or writing.

Bill Higgins I am now serving as a past-president of the Ohio Section and will be involved with duties in the Ohio Section for some years to come. At the national level, I continue to review manuscripts as a member of the editorial board of the MAA Textbook Series and have also been recently appointed as a member of the Council on Outreach Programs and the Committee on Undergraduate Student Activities and Chapters of the MAA.

This school year, I am on leave at California State University Channel Islands. My wife, Aparna (who teaches at the University of Dayton), and I are each teaching one semester and will be on sabbatical the other semester at CSUCI. This fall I am teaching three sections of Calculus 1. It is very interesting to see how things are done at a state university and to get experience teaching in a different environment. Calculus is taught in a more traditional manner here than at Wittenberg in many ways, but we are encouraged to assign group projects and in-class Maple labs. Since I was in California, I was unable to attend the Ohio Section meeting this fall, but I was able to attend the fall meeting of the Southern California-Nevada Section of the MAA held at Scripps College in October.

Al Stickney It has been a busy fall semester. In addition to teaching calculus, applied matrix algebra, and linear algebra, I have thoroughly enjoyed directing an independent study in Rings and Fields. We have also been preparing for both the Putnam Exam and the Four College Contest. We had 7 students take the Putnam Exam in December 2008. Wittenberg will host the Four College Contest this coming February, so Adam Parker and I have been working on the preparations for that event for a couple of months now.

FACULTY NOTES (cont.)

I'm looking forward to next semester when I will have the opportunity to teach a topics course in Number Theory, which is one of my favorite areas of mathematics.

Nancy Saks I've been very busy this semester with a new course: Comp 290, Databases and Web-Based Computing. We began with traditional theoretical database material like Entity Relationship, Relational, Enhanced E-R, and Object models, as well as the normalization process. We also spent some time manipulating and querying databases with SQL (Structured Query Language). After midterms, however, we started the "web" portion of the course. The Computing Center provided each student with a machine that could be used as a web server, and we worked with PHP and MySQL to create web database applications that included common but important features such as user authentication, session management, multi-user databases, validation of user input, and shopping carts.

I've also been teaching two sections of Comp 121, so every week I've been making up a lab and grading over 40 projects in Alice, Excel, or Access. (Many hours of grading!) In my "spare" time, I've been looking at textbooks for the spring's new course, Principles of Software Design.

Adam Parker During the summer of '08, I took a MAA short course at Xavier University given by Danny Otero on ways to incorporate primary sources like original historical texts in my classes. It was an excellent course and had a major affect on the ways I want to teach my courses. I look forward to having a bit of time to actually implement the ideas presented.

During the fall semester, I had several students doing research with me. As you can see elsewhere in this newsletter, Marshall Zarecky took a game located in our math lounge and examined it mathematically. He mathematically found all solutions to the puzzle using techniques he learned in my Spring 2008 topics course. I am very proud to say that he had a paper accepted on these results!

Danny Marous has been extending the work he did at a summer REU at North Carolina State University for his honors thesis here at Wittenberg. He is presenting his results at an undergraduate poster session at the Joint MAA / AMS Mathematics Meetings in January '09 in Washington D.C.. Alyssa Armstrong is also working on her honors thesis in an area of mathematics called combinatorics, examining a result of Microsoft's Bill Gates! Both she and Danny will be continuing their work in the spring. I'm serving as external reader for three other honors theses (one in econ, one in psychology, and one in physics). In addition, I've been working on two papers of my own.

While research is keeping me busy, there is plenty else going on. I've been working hard at starting the new Wittenberg Saturday Science Program which can be read about on page 2 of this newsletter. I'll be giving the first talk on January 24th and you can see future talks at www.wittenberg.edu/science-outreach. In addition, I've been finishing my term as chair of the Ohio MAA committee on curriculum (CONCUR) and presented two committee reports at the fall meeting of the Ohio MAA which was held at Capital University. In addition, I'm serving on several Wittenberg committees.

All this keeps me out of trouble and off the streets!

ALUMNI NOTES

Holly Mehringer (math '00) started work after Witt as a civilian in the Air Force. She was sent to Italy – and loved it – and just moved back to the U.S. about a year and a half ago, settling in the Washington DC area and working at the Pentagon. She got an M.S. in Applied Math from the College of Charleston – while still in Italy, even though the very accommodating CC doesn't officially have a distance learning program, thanks to lots of phone calls and e-mail. Holly enjoys her position as a civilian with the USAF and at this point can easily see doing that for an entire career.

As featured on the Witt front door on 5 Sep 08, **Ben Theole (math '00)** teamed with '01 Witt alums Josh Guerrieri and Erin Limmer Guerrieri to create the FitWit Foundation, a non-profit organization that oversees and implements innovative youth programs designed to combat childhood obesity and educational inequality, by improving health and academics, and fostering personal growth in traditionally underserved youth. Theole and the Guerrieris are currently working on expanding the existing programs as well as starting new ones, including summer camps that will teach leadership and fitness and even get city children out in the woods for a few days. They also hope to launch programs in Ohio. Ben is a Captain in the U.S. Air Force, and earned a Master's in Operations Research in 2006 from the AF Institute of Technology.

From **Leo Liu (comp '01)**: "I finished my Ph.D about a year ago and have been working for a company called Geomagic near UNC Chapel Hill. The main products of this company are software that take discrete point sets from laser scans and produce continuous

ALUMNI NOTES (cont.)

surface representation for the purpose of product inspection, design and, more recently, digital dentistry. (For more details – and some nice pictures – visit the company website at <http://www.geomagic.com>). I work as a software engineer for the R&D group of the company and am responsible for developing technologies for processing polygonal surfaces.”

David Levine (math '03) got a Master's in Applied Statistics – with a focus in quality control and data mining – from the University of Alabama, then worked for Dell Financial Services in Austin, TX, doing credit risk scoring. He advises current math/comp majors interested in job or internship ideas to look in Risk Management groups for banks and other lenders, as that kind of job is in particular demand right now because of the terrible financial markets. Last we heard, David was scheduled to move to Spain for a TFL program on October 10th!

After becoming one of Witt's first stat minors in 2004, **Bri Barclay** went on to get a M.A. in sociology at Florida International University and now works as a research associate at Loyola Marymount University in Los Angeles. “In my new position I am the statistical go-to person for The Thomas and Dorothy Leavey Center for the Study of Los Angeles (www.lmu.edu/csla). It's a small group with several faculty collaborators so it's my job to create the surveys, set-up online surveys for data entry purposes, clean the data, and do the analyses when the data is ready to go. Right now we're working on a big exit poll using a new sampling method. It is a research position, just in a university setting. I would like to do consulting down the road, perhaps on the side or when it's time to start a family.” Bri enjoys the California life - and living near long-time boyfriend Julian, whom she met a week before he himself graduated from Witt in '01.

After graduating from Witt in math in '05, **Chris Vennefron** “got into Demand Planning and Forecasting, using statistical models in addition to various seasonality, holidays, causal factors and promotions to generate demand forecasts.” He used that internship to develop the expertise to launch out as an independent consultant, even setting up his own LLC, and ended up acting as system administrator as well. Chris cashed in on the exploding demand for his expertise to land a position as a “Managing Consultant” with IBM this past April. His first project with IBM involved flying out to California for most of the week, which he says got old. But now he gets to work from home every other week – at his new condo in Dublin!

Over the summer of 2008, **Emily List (math '07)** and **Steve Dennett (math '07)** got married at the Chapel on campus. Emily is currently a Ph.D. student at the University of Massachusetts—Amherst and Steve is finishing a masters program at Wesleyan University.

Alexa Bourquin (math '06) is excited to be in the classroom at last: “South-Western City Schools hired me as an intervention specialist at Central Crossing High School in Grove City, Ohio. Special Ed is not what I trained for and I'm learning as I go, but it's fun! I still want to try and find a math position next year, but for now, I'm just surviving this one!”

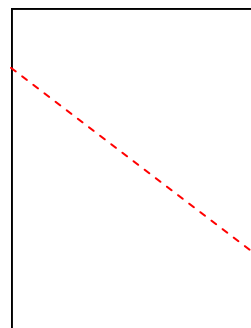
Erin Ellis (math '07) went on to grad school not in math but in her other major, German. She opted for the Master's program at Bowling Green (in German studies), mostly because the first year of the program is set in Salzburg, Austria – from which she traveled also to Paris, Barcelona, and several places in Germany, of course. Now she's starting the second year of the program on site at BGSU, taking more coursework and planning her thesis. She's a TA, teaching German 102. Very typical grad school life right now – working hard, enough money to live on, looking forward to graduating and getting a job (in German).



Reception at the List-Dennett wedding. Starting from the left: Alan Stickney, Adam Parker, Emily (List) Dennett, Steve Dennett, Alyssa Armstrong, Doug Andrews

PROBLEM CORNER

Take a 3x5 inch note card. Fold it so that two diagonally opposite corners are touching. What is the length of the crease?



Send your answers to aparker@wittenberg.edu by April 30, 2009. We will randomly select one person from all correct entries to win a home-made cheesecake from Dr. Higgins! alumni/ae and prospective students are welcome to participate!

Considering a Donation ?

If you would like to make a donation to the math department, you can make a donation to the "MATH DEPARTMENT GIFT FUND" at

The Wittenberg Fund
 Wittenberg University
 PO Box 720
 Springfield, Ohio 45504-0720

Make sure to designate your donation to the math department. Your gifts help support undergraduate research, travel, and the general mission of the department. We appreciate all of your help.



Welcome!

The department would like to welcome all of our new majors and minors that have declared during the spring. We're happy to have you in the department!

Mathematics Majors:

Sarah Braden '10—Independence, OH
 Alex Griffith '11—Greenwich, OH
 Melisa Shock '11—Bellbrook, OH
 Alexandra Sitarik '11—East Liverpool, OH
 Cal Wessels '11—Shoreview, MN

Mathematics Minors:

Rebecca Atkins '10—Sylvania, OH
 Lauren Baxter '09—Newark, OH
 Rebecca Cooper '09—Georgetown, KY
 Yasas Dhanapala '09—Dayton, OH
 James Duff '10—Pine River, WI
 Matt Gerber '10—St. Louis, MO
 Andrew Nash '09—University Heights, OH
 Sarah Piskos '10—Westlake, OH
 Christa Snyder '11—Lancaster, OH

Computational Science

Minors:

Yasas Dhanapala '09—Dayton, OH
 Emily Linkous '10—Wilmington, OH
 Janelle Mahowald '10—Parma, OH
 Bryce Reall '10—Sunbury, OH

Computer Science

Minor:

Emily Linkous '10—Wilmington, OH

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Postage

