the debugger

Computer Science Department • Indiana University of Pennsylvania

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the debugger
[Fall 2009 Issue]

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EDITOR'S NOTES

Hello from the editor's desk. This edition of the Debugger begins on a sad note with the passing of **Dr. Howard Tompkins and Mr. Thomas Cunningham.** Both played a big role in the department.

It has been a very busy Fall 2009. This edition of the Debugger details all of the happenings. Personnel wise:

- **Mrs. Yvonne Dougherty** was hired as the new department secretary. Carol Miller submitted her final version of "Carol's Corner". **Dr. Deb** and **Dr. Fries** have settled in and completed their first semester. Both have been working on establishing their research here at IUP. **Dr. Oblitey** has returned from Africa. **Jim Wolfe** has been credited with a much deserved award.

- **Joe Shyrock** will chronicle the upgrade in the information assurance lab. **Cathy Fleig Gruss** provides the Alumni Corner article for this issue. What a unique career path. **Dr. Rose Shumba** reports on the highly successful second annual Information Assurance Day.

> **Your Alma Mata Requests Your Input!**
> The Computer Science Department is currently conducting a survey of all alumni. We are interested to know how effective your education at IUP is meeting our program outcome objectives. Your participation is requested and input is highly valued. Your response will contribute to accreditation and in shaping our program in the future. Please take 5 minutes to complete the survey, found in the link below:
>
> **BEGIN SURVEY**

Contact other alumni and encourage them to take the survey also. Thank you. Enjoy reading and stay in touch.

--Charley Shubra, Editor

From the Chair

--Charley Shubra

December 9, 2009 was a tough day around the department. I no sooner read an email from alumni Alan Dailey informing us that Dr. Howard Tompkins had passed away on 12/5/09 then I received a telephone call from Dr. Phil Ray telling me that Mr. Tom Cunningham had passed away on 12/8/09. I will include the obituaries of both but, I want to spend a little bit of time identifying the contributions both men made to the Computer Science Department.

Howard and Jim Maple were the founding fathers of the Computer Science Department at IUP. Howard provided the vision, and the faculty along with Howard worked to establish a highly successful department. With well over 1,000 graduates, Howard has touched the lives of many students. The department he established has a reputation for graduating excellent computer scientists and good citizens. Much of the foundation that Howard established is still serving the department well.

Tom Cunningham served as a professor in the Computer Science Department from 1971 until his retirement in 2002. He was department chairperson from 1987-1990. Tom was a great source of information about computer technology and many other topics. I would often join him and others at Taco Bell for lunch, and we would end up discussing some aspect of how hardware or software worked. He loved genealogy and could trace his family tree back many generations. Tom loved to learn and he loved to pass along his knowledge to his students. Tom was a good friend and he will be missed. My thoughts go out to his wife Helen and his family.

On a happier note, we have hired Mrs. Yvonne Dougherty as the departmental secretary. One of Carol Miller's last official acts was to help me sift through the many resumes and conduct interviews for the new departmental secretary. Yvonne has fit in well in the department and is playing an active role in the ABET accreditation process.

I have applied to ABET for a Fall 2010 site visit. The process we have been involved in is getting items in place for the visit. We have modified the Languages and Systems curriculum to adhere to the ABET criteria. We have collected and documented assessment materials to demonstrate a process of improvement. We are completing the self study document which is delivered to ABET in June of 2010.

Dr. Oblitey has completed his year-long Fulbright Scholarship in Ghana and returned to the department. Dr. Oblitey will be chronicling his adventures for you soon.

On the facilities side, we have revamped the information assurance lab with the purchase of new machines and the Encase software. Dr. Shumba will be offering a digital forensics course in the Spring 2010 semester.

We conducted our second annual Information Assurance Day on November 5. Dr. Shumba will provide details, but we are very thankful to Concurrent Technologies for sponsoring the refreshments for this day-long activity. Thanks to Dom Glavach for arranging the funding.

The Corporate Advisory Board recommended that we add to our existing internship model of a summer and a semester with a summer and a summer offering. We have a modified course proposal going through the various university committees which will allow students to take a 12 week internship in their sophomore summer followed by another 12 week internship in their junior summer.

Finally, we are very pleased to announce that Jim Wolfe has achieved the status of professor emeritus of the Computer Science Department. We congratulate Jim for this well deserved recognition. 🖥

Howard Edward Tompkins

Published in The Boston Globe on December 10, 2009. For more information see:
http://www.legacy.com/obituaries/bostonglobe/obituary.aspx?page=Lifestory&pid=137135678

TOMPKINS, Howard Edward
Of Needham, on Saturday, December 5, 2009. He followed his beloved wife, Betsy, by only four months. Born on April 19, 1922 in Brooklyn, NY to the late Gilbert Tompkins and Bessie Virginia Leonard Tompkins. He received a B.S. in Physics from Swarthmore College, and a Ph.D. in Electrical Engineering from the University of Pennsylvania. With a few side trips into non-academic assignments, Howard taught for most of his life, first Engineering, then Computer Science. He founded the Computer Science Department at Indiana University of Pennsylvania, from where he retired in 1987, moving to Massachusetts to be nearer his family. In 1995, Howard and Betsy moved to the North Hill Retirement Community in Needham. In keeping with his lifelong passion for classical music, he established a monthly "Classical Interludes" listening and discussion program at North Hill, which had 162 sessions prior to his death, and gained a loyal following. He was a member of Wellesley Monthly Meeting of the Religious Society of Friends. A natural teacher, a respected and well-liked professor, he valued the intellectual stimulation of developing something new. Above all else, Howard had great love for and took great pride in his family. He is survived by all four daughters, four sons-in-law, eight grandchildren, and two great-grandchildren, and will be lovingly remembered by all. Gifts in his memory may be made to the American Friends Service Committee, 1501 Cherry St., Philadelphia, PA, 19102.

Thomas P. Cunningham
Date of Death: December 8, 2009

Thomas Patton Cunningham, age70, of Indiana, died Tuesday, December 8, 2009 at the Indiana Regional Medical Center.

He was boar in Ridgway to Walter B. Cunningham, Jr. and Olive M. McMillen Cunningham.

In 1954 he attended the Culver Military Academy in Culver, IB, and in 1955 the Tri-State Collee of Angola, IN, a graduate of the Kittanning High School of 1957, and was conferred the Degree of Chevalier of the DeMolay, Kittanning Masonic Lodge #244. He was a graduate of the Carnegie Institute of Technology with a Bachelor's and Master's of Science in Electrical Engineering.

From 1966 to 1970 he was employed as supervisor for User Services and then Regional Computer Center Manager at Carnegie Mellon University. From 1971 until his retirement in 2002, he was an Associate Professor of Computer Science at Indiana University of Pennsylvania where he chaired the department from 1987 to 1990. During this time he authored the "Instructor's Manual for Problem Solving and Structured Programming in Fortran 77".

Tom was an avid genealogist, a tireless educator, a lifelong learner, devoted husband, father, grandfather, uncle, and friend.

Thomas is survived by his wife of 49 years, Helen Dale Cooke Cunningham; three children, Jane C. Harnagy and husband Robert, Ocean Shores, WA; Sarah N. Cunningham, Mars, PA; Thomas P. Cunningham, Jr., Indiana; four grandchildren, Olivia, Reagan, Isabel, and Callie; one brother Walter B. Cunningham, III, and wife Don Nell, Austin, TX; two nieces and three nephews; and countless friends and students.

He was preceded in death by his parents.

A funeral service was held at the Bowser-Minich Funeral Home, Indiana, officiated by Rev. Richard Hurley.

Memorial contributions may be made to the IUP Department of Computer Science for the establishment of a student scholarship.

Introducing:
Yvonne Dougherty

From the emails sent to alumni this past semester, many of you are aware that Carol Miller has retired and a replacement was selected in July – me.   My name is Yvonne L. Dougherty, and I have been in this profession since I graduated from Penns Manor High School in 1969.

My first association with Indiana University of Pennsylvania occurred shortly after I graduated from high school working for Owen J. Dougherty in the Office of Housing, Food Service, and Parking. After working for almost 14 years, I moved to West Virginia and worked for 2 years at West Virginia University in the Department of Agriculture and Forestry – Associate Dean's Office. This was followed by a 5 year employment as the Administrative Assistant for a retirement community – Friendship Village of South Hills – located in Upper St. Clair. During my children's toddler-preschool years, I kept busy doing volunteer clerical work for the churches and preschools my children were involved with. This time period involved moving from Pittsburgh, PA > Plano, TX > Topeka, KS > Baton Rouge, LA > Collierville, TN > Chesterfield, MO. When we settled in Chesterfield, MO I was hired by the Rockwood School District – Chesterfield Elementary School as the office secretary. We stayed in the area for 8 years with a slight move for 2 months to Madison, WI then moved back to the St. Louis, MO area for another 3 years. I was fortunate that Chesterfield Elementary welcomed me back as the principal's secretary. Our next move brought us back to Pennsylvania – Philadelphia area (Glenmoore). I worked for 5 months at West Chester University – English Department before being employed at the middle school of Twin Valley School District for 3 years. As you can see, my employment history has covered the spectrum of ages (elementary to retirement).

> " I feel extremely fortunate to work in the Computer Science Department. The staff, faculty, and students have been very cordial and helpful in my move to the area. "

Our final (and last) move returned us to Indiana, PA and to the University. I feel extremely fortunate to work in the Computer Science Department. The staff, faculty, and students have been very cordial and helpful in my move to the area.

On a personal note, I have 2 children (Brendan – graduated from Purdue last year in Mechanical Engineering and now is an Ensign in the Navy studying nuclear engineering, Casey – senior Chemistry student at University of Pittsburgh will enter a doctorate program after graduating this May 2010), husband (Gerry – Department Manager, Lowe's), and a yellow lab (Oscar). 🖥

Alumni Corner

--by Cathy Fleig Gruss (5/85)

Back in December 1985, I was full of excitement and accomplishment. I graduated from IUP's Computer Science Department with a minor in Math and a concentration in Business! Now I would be able to travel, see the world and find my dream job. My first step was to give up a secure comforting job as a sales associate at the Indiana Mall's Bon Ton department store. I had been working there since I entered school at IUP and loved the people that I worked with. This made it very difficult to leave. Through the encouragement and support of IUP friends that were local to New York City, I finally decided to move to New York City in August of 1986. This move changed my life forever. My friend's father's friend was an IBM System 36 Head Hunter. He provided mentoring on interview skills and resume writing specific to programmers. Within a week of meeting him, he found a position for me as an IBM System 36 RPG Programmer for the Credit Card Division of Manufacturers Hanover Bank. I believe having a head hunter, mentoring and job interview enthusiasm were all key to acquiring my very first job as a programmer. Very quickly I noticed how easily it was to adapt the skills I learned at IUP to the skills needed as an IBM System 36 RPG Programmer. I also noticed others in the department which lacked the fundamental skills I learned at IUP were coming to me for advice and teaching. I especially noticed this when we upgraded our system from an IBM System 36 to and IBM System 38.

> An unexpected challenge of my life was soon to unfold before my eyes and I wasn't prepared to handle it...

In November 1987, my friend the head hunter, called to let me know about a job opening in New York Life's Limited Partnership Investment Department. I had a year's experience in programming and was beginning to feel I needed more of a challenge so I interviewed for the position. I took the job at New York Life and again the skills I had to date were easily transferable. However the unexpected challenge of my life was soon to unfold before my eyes and I wasn't prepared to handle it. The manager that I had was the extreme opposite of the ones I had at the Bank. The managers I had at the bank were always very encouraging, positive and trusting. It was such a happy environment to work in. This new working environment was very cold, negative, and dishonest. I couldn't work in a place like this and was upset that I gave up the bank position. By working with such a dishonest manager, I learned to save and document everything!

In November of 1988, I moved on to a support team for a International Banking Software Company, BIS. I finally was back to working with very encouraging, positive and trusting people. Whew! What a relief. What a difference it makes working with happy positive people. I would travel from bank to bank within New York City supporting their international banking needs. Although my programming support team associates were great to work with, our clients weren't always the best to be around. Usually this was only when they were extremely frustrated with the software. I learned how to minimize their frustrations through comfort tactics. I comforted them through gentle kind words that assured them that I would solve their problem. I also would communicate with them often by giving them constant updates on their problem resolution.

In 1989, I was able to go back to school at Hofstra University to get a M.S. Degree in Computer Science. BIS funded half of my degree until I took a job as a Programmer Analyst with General Instrument. This job was closer to home and to the Hofstra University campus. General Instrument funded the last half of my degree. I enjoyed learning at school and learning at work. At work, I was learning manufacturing, EDI and bar coding. While working at General Instrument, I was married and gave birth to my twin daughters. My twin daughters were born 3 months early and had many complications. Through technology, General Instrument was able to support my situation and allowed me to work from home full time.

> " Now I am traveling everywhere and seeing the world again. "

When our daughters were a year old, my husband and I decided to move back to Pennsylvania. The cost of living was cheaper, and our daughters would grow up being close to their extended family. In a few months, I was offered a consulting job at Link Computer in Altoona, Pennsylvania as an IBM System 38/ AS400 RPG Programmer Analyst. I worked part time and a lot from home. Working part time and from home makes it a perfect environment for a mom. I felt complete. I had the best of both worlds! This allowed us to easily support more children in our family so we had our third child, a boy. Consulting is a great way to learn how to program in different industries and to keep abreast of technology. I was excited to learn about the apparel industry by working as a Link Computer consultant for Airwalk.

I was offered a part time position working from home with Seton Company. They were a client of mine while I worked at Link Computer. I was hired to support the needs of our Corporate Accounting and Finance Department. Our Corporate Office was in Valley Forge, Pennsylvania. I supported them through monthly visits, emails and the telephone. While working for Seton, in 1998, we had another boy, our fourth child.

As our twins grew older, they found interest in acting. I was very familiar with New York City and with the internet so I began searching and learning the acting world. Before I knew it I was back in the city at least once a week and all my kids are acting. Through technology, I worked on the road continuing to work part time through my monthly visits, emails and phone calls. Instead of calling from home, I was calling from a film set. Now I am traveling everywhere and seeing the world again. We were able to be in top films like "I am Legend", The Happening, 27 Dresses, Old Dogs, and Lovely Bones. Through the films, we have been able to meet lots of stars like Famke Janssen, Vanessa Williams, Ben Foster, Law & Order SVU & CI stars, Naked Brothers Band, Chris Kattan, Stephen Seagal, Natalie Portman and many more. Although we had lots of fun being on large popular film sets, we switched our focus to obtaining lead roles in Indie films, and student films (NYU and Columbia). Last summer, my daughter flew to New Mexico to play the lead role in a Columbia graduate student film! Today my son and I are in the Catskill Mountains of New York working on a NYU graduate student film and who knows where we will be tomorrow. Thanks to technology, I am able to enjoy adventure while working. For those of you who are interested, you can follow the kids careers on www.imdb.com (Miranda Gruss, Rebecca Gruss, Alexander Ian Gruss, and Evan Gruss). A lot of their films aren't listed on IMDB.com yet but have trailers on You Tube. If you scan their names, most likely you will be able to locate the trailers. Also, one of the student films they worked on is having a lot of success in the children's market. Visit www.ghosteyetreemovie.com.

In the last decade, Seton Company moved its facilities overseas. By December 2008, they closed down the corporate office and decided they no longer needed my AS400 RPG programming skills. Once unemployed, I applied for Trade Act funding and was approved for the St. Francis B.S. in Accounting program. I will complete the program in August 2010. I may also be teaching IUP Comp Sci classes part time as soon as a class becomes available.

To our future IUP Computer Science graduates, I highly suggest the following action steps to create a successful happy career: first and foremost, always pray, next if possible, take up an internship, find a job hunting mentor, have a great attitude, be kind, be cooperative, be positive, communicate often, document everything, build up degrees early in career, be creative in finding funding for other degrees, teach part time, be a consultant, balance work and life efficiently through technology, know your worth in salary and lastly fully enjoy life by living out your passions and dreams! 💻

> Balance work and life efficiently through technology, know your worth in salary, and lastly - fully enjoy life by living out your passions and dreams!

The 2009 Information Assurance Day
--By Dr. Rose Shumba

The Computer Science Department in collaboration with the Institute of Information Assurance Education hosted the second annual Information Assurance Day at IUP. This all-day event, which was very well attended, featured a wide range of speakers on various topics in Information Assurance, and was held on November 5, 2009.

The featured speakers included; *Eric Smith*, VP; Sr Tech Mgr, Information Security Engineer, Enterprise Information Management, Information Protection Consulting, Bank of America, *Greg Porter*, founder of Allegheny Digital, a Western Pennsylvania based security and privacy Services company specializing in Network Infrastructure Security, Digital Forensics, Regulatory Compliance, and Enterprise Risk Management, *Connetta Salanitro*, Senior Risk Analyst for PNC Bank, and *Detective Brian Sprinkle*.

Eric Smith presented on the *"Elements of an Effective Information Assurance Program".* The presentation focused on some of the challenges that organizations face with Information Assurance, and how to overcome those challenges through policy, education, enablement, and enforcement. Greg Porter presented on *"Current and Emerging Threats to Health Care Information Security".* His talk gave an overview of information security risks that are creating a direct and material impact on U.S. health care entities. He explained some recent legislative changes combined with an evolving threat landscape that specifically targets patient data and how this may expose health care organizations to the risk of losing revenue, workforce member productivity, patient care relationships, and market reputation. Connetta Salanitro presented on "*eDiscovery - ESI... the new DNA*". Her talk covered the amendments to the Federal Rules on Civil Procedure regarding eDiscovery and the impact they have on both the corporate, security, and technology policies and procedures around the electronically stored information. Detective Brian Sprinkle presented on *"Computer crime and forensics".* This centered on how law enforcement holds a case using forensics and software tools such as ENCASE.

The presentations were very informative, very well attended and very well received. Audience included IUP Technical Support Services personnel, faculty from our IA collaborating partners; Butler and Pennsylvania Highlands Community Colleges, and faculty and students from IUP. Each session had about 30 attendees.

The event was a great success. Thank you to you all, who made this event such a success, CTC Corporation for providing the refreshments, the organizers, our presenters, and our collaboration partners. 🖥

Carol's Corner

Well gang, for those of you who have not already heard, the fat lady has sung. Yes, I retired on July 31. Not really sure what that means for *Carol's Corner*. I can tell you that any information I get from you will get published – either by me or someone else. I won't let you down in that regard. So, please continue to contact me. My new email address is rellimac62@gmail.com.

Some of you already know about the retirement gift I bought myself. Her name is Jasmine (aka Jazzie), and she's a little Morkie (Maltese/Yorkshire Terrier) pup. She is a puppy mill rescue, and I sure have been enjoying her. She traveled to work with me for a month before I retired, and I'd just like to say that contrary to what Charley Shubra will tell you, I DID NOT TEACH HER TO GO POTTY IN HIS OFFICE. She learned that on her own – I just didn't discourage it.

> "
> Well gang, for those of you who have not already heard, the fat lady has sung.
> "

And I'd like to take this opportunity to thank each and every one of you who have reached out to me in some way over these many years. You have all enriched my life.

I've heard from so many of you who wished me well, and I appreciate all the kind words. Thank you SO much!!

One of the first things I want to do is apologize to **Jennifer (Baldwin) Taylor (5/91)** for omitting the wonderful news I got from her with the pictures of Andrew (3) and James (2), one of which was a really neat calendar. Meanwhile, I have checked out the web site, and I think Jen and Rob have their hands full with those two boys, and I think the Taylors are going to have nothing but fun in store for the next few years.

Cathy (Fleig) Gruss (5/85) has had her hands full, too, but for a different reason. Her Mandy had open heart surgery in July, and that was pretty scary for the entire family. But, she's doing well. We wish Mandy continued good health. Cathy, meanwhile, may be teaching for the department in the future. The department looks forward to welcoming her. Right now she is sitting in on the courses she may be teaching. Also, Cathy is back in school studying accounting. She enjoys the change

from being in the business world and working as a software developer for many years. She's also enjoying being a mom to her boys, 11 and 13, and her girls who are 16. Alex and Evan love sports, and Mandy and Becky love acting. They do a lot of traveling to New York for short films. The Gruss family was also here for the Alumni breakfast on Homecoming. It was great to see you guys!!

Our condolences to the family of **Shawn Clugston (5/92)**. We heard through **Larry Moon (5/92)** that Shawn passed away in March after a struggle with cancer. Shawn and Larry were roommates while they were at IUP. Thanks, Larry, for letting us know.

Ed Moore (5/95) called one day to see if we had anyone who might be interested in working at DEGOL in Altoona where he is still working. I discovered that Ed's daughter, Heidi, is my sister's veterinarian out in the Pulaski/New Bedford area. Ed has 12 (yes, 12) grandchildren with number 13 on the way – probably here by now. Congratulations, Ed!!!

Also heard from more of you guys through Facebook**: Matt Zinicola (5/97), Tosha (Fadness) Siconti (5/96), Matt Yonkoskie (5/96), Ron Howe (8/96).**

I heard from **Chad Gatesman (5/98)** through Linkedin. Chad is now at Hewlett Packard where he is in Software Research and Development. He designs, develops and deploys products using C/C++, JAVA and J2EE using many operating systems including Windows, UNIX, Z/OS. Prior to HP, Chad was working for Bristol Technology. Great hearing from you, Chad!

Jerome Sparks sent me a link to his pictures. WOW!!! I still don't know where he was, but I want to be there. I think it was in the islands somewhere. There were jelly fish and colorful fish and alligators and sharks and stingrays. Fantastic!! Thanks for sharing, Jerome – also the pictures of your beautiful family.

I had some visitors, too – **Mark Lacy (5/89)** stopped in on his way down south to the high school graduation for the son of one of his high school buddies. Mark took me to lunch, and we had a really nice time catching up. Thanks, Mark!!!! That was really fun!

Micki Hart (5/91) stopped in a couple times. She is still working for Sungard and had just gotten back from Australia where she had been working for about a year. Then I ran into her with her daughter and granddaughter who were visiting from LA. When I first starting working at IUP, Micki was pregnant and Jessica is the baby she was pregnant with. Now Jessica has a baby of her own. Time sure flies!!

Eric Smith (5/99) also stopped in. Hadn't seen Eric for a few years. He's still working for Bank of America as a VP, Sr. Specialist, Information Security Engineer. Eric looks exactly the same as when he was a student. Eric has volunteered (well, there might have been a little arm twisting) to come up and give a colloquium on computer security. It was really great to see you, Eric.

I had a nice email from **Sean Van Scoyoc (12/90)** who recently switched jobs and is now the IT Director at Seneca Valley School District. Congratulations, Sean!!! Julie, Sean's wife, is a stay-at-home mom to their four kids: Adam (9), Megan (7), Josh (4) and Allison (1). Sean also sent a picture. What a great family!!! I had met only Adam back when he was a baby/toddler. Thanks, also for the good wishes.

I had an update from **Mary (Singer) Mosholder (5/99).** I knew Mary had left IUP, and I heard she had gone south. Well, she's at Savannah College of Arts and Design doing much the same thing she was doing at IUP, only in better weather and better economic standards. Her son, Guy, is now 9 years old, and Mary said he's really tall which is no surprise since I think he was about six feet tall by the time he was one. Just kidding, but he was tall. Best of luck to you, Mary!!

With a little prodding, I heard from **Dave Pazzaglia (5/04)**. I kept hearing stories that he was back in the area so I sent him an email and threatened to make up stuff about him for Carol's Corner if I didn't hear back from him. It worked. Dave is now in charge of application development for Learning Sciences in Blairsville. Dave started out working on DoD projects and then switched to working on pharmaceutical management software for a pharmacy services company. Then he decided to become self-employed and did consulting on software for lawyers to use during the discovery period of a trial and also worked on more DoD projects and consulted for Learning Sciences and finally decided to go with them full time. Dave has a little daughter, Isabella, who was two in August. Now, Dave didn't tell me this, but I understand Dave's wife Rachel is working in Guidance at Horace Mann Elementary School in Indiana. Great hearing from you, Dave, and best of luck in your future endeavors.

Roy Mills (5/84) sent a nice update. Roy is still with Alcoa where he has been working since he graduated twenty-five years ago.   The division he works for is Alcoa Integration Services, and he is a Development and Architecture Leader.   And, hmmmm, is it possible that Roy may be considering retirement from Alcoa in the not too distant future. We shall see.

And you all know how much I like getting an email or a visit from someone BC (before Carol) well I had one such visit from **Ted Hartman (8/80)**. I'm not going to tell you too much about that because I know he promised Charley an article for the Debugger, and I don't want to give it away. So, all I'm going to say is "Thank You!!!!!"

And, I thank all of you who sent me special emails when you heard I was retiring: **Rick Joslin (5/85); TJ Hall (5/88); Paul Liadis (12/99); Travis Stormer (5/96); Mike Bigrigg (5/91); Chad Gatesman (5/98); Mark Lacy (5/89); Julie (Paserba) Lampe (12/87); Dan O'Donnell (12/87)** who also told me he's back to work in Mechanicsburg, PA and his daughter is a turncoat. She chose Duquesne over IUP; from **Alan Watkins (12/83)** who mentioned that his kids are not only through college, they're through grad school. Yikes!!! Alan came to IUP from the

Navy and was married and already had the first of his two children. He is now in only his second job since graduating and would eventually like to find a job where he can incorporate his passion – the guitar. From **Steve Skripek (08/02); Tom Sheaffer (12/90)** who is living in Akron, PA with his wife, Bernadette, and their two children: Ryan (10) and Talia (6). Tom was the victim of downsizing during this recession and is looking for a good job, hopefully, in the same area. From **Gary Homberg (8/89); Pamm Gindlesperger (12/94)** who has a wedding coming up next year**; Denyse (Terzich) Mathews (12/86); John Jenkins (12/96)** – and, John, you always made me smile; **Bob Bratton (5/91); Chris Eberly (5/81); John Ritter (5/85); Justin Elkin (5/93); Doug Hicks (5/86); Brad Moyer (5/88)** who has started his own company along with three of his business friends. Best of luck in your venture, Brad. From **Mike Gutzat (5/87)** who threatens to bring his son, Ryan, out for a visit. We hope that's true but will wait and see. Also, Mike has a new job. He's now with the Space Telescope Science Institute in Baltimore. Congratulations, Mike! From **Dave Radacosky (5/83); Marwan Qubti (12/89); Fred Knepshiled (12/80); Art Blumer (12/80).** And a small world incident from **Alan Daily (5/89).** His son's kindergarten teacher is Wendy Tompkins, none other than the daughter of Howard Tompkins.

I had a nice phone call from **Kari (Robson) Behune (5/08).** Kari is still working for PPG, part of the week in Pittsburgh and part of the week at home, while being a mom to Braden. We had a really nice conversation and ended with a promise to do lunch one of these days. Kari is from Indiana, and her husband, Greg, is self-employed working a lot in the Indiana area, not to mention that Kari's mom takes care of Braden on the days that Kari works in Pittsburgh.

There was a pretty big turnout for the alumni breakfast on Homecoming morning, too. Before mentioning them, I'd also like to thank everybody who contributed to the nice memento book I was given at the breakfast: **Greg Holtz (5/03); Dave Radacosky (5/83); Adam Altemus (5/07); Bob Durbin (12/95); Lola Turnbull (12/81); Milford Hazlet (5/75); Nathan Boland (5/04); Brian Henry (5/05); Cathy (Fleig) Gruss (12/85); Rene (Morozowich) Karnash (5/01); Zack Howe (12/96); Chris Waschak (5/03); Tony Popp (12/98); Scott Becker (5/90); Ron Edwards (8/89); Mike Gutzat (5/87); Peggy Mogush (5/87); Denise Cattley (12/88**). Thanks Guys, I really enjoyed your comments – and appreciated them.

 Tim Jamison (8/98) who is working for Software Design Solutions, Inc. in Murrysville, PA. He does embedded consulting work. He has three nephews, the oldest of whom is five and playing T-ball and flag football, and Tim enjoys them quite a bit.

J. Lance Wilkinson (5/76) has had a variety of jobs since 1986 such as working for Penn State University in Information Tech Services; Digital Library Technologies; Systems Engineer; SUN Solaris; SysIntegration; WEB CMS; Apache. He has been married to Vija since April 1985 and they have two children, Scott who is 22 and Julia who is 20. He has also been a Training Chair for the Juniata Valley Council of BSA.

Helen Hart-Magobet (8/89) has been working in Information Technology for the past 20 years and is now looking for greener pastures. She's seeking a position of Director of Information Technology. She is a candidate for National Director of Information Technology for Delta Sigma Theta Sorority, Inc. We wish you much luck, Helen. She's also working on her Master Thesis for a Masters in Computer Science at Villanova University. And, Helen's a pioneer for family technology needs and manages the IUP LinkedIn. She home schools their two children, and gets much support from her husband, Eric. On top of all that, they have a small business called MagoHart. Best of luck to you two.

Chris Wastchak (5/03) has changed jobs. He's now working for Summa Technologies as a consultant doing JAVA.net work. He and Jenny have two children, Charley and Eli, and next spring will welcome baby number three. Congratulations to you. They've also just recently moved to Plum, PA. Keep in touch!

We haven't seen **Ray Becker (5/85)** for years. It was great to see him at the breakfast. Ray is working for the Department of Justice at the National Drug Intelligence Center in Johnstown. He is in Systems Engineering/Software Development/Supervision Project Management. He and his wife, Sharon, live in Ebensburg and have three children, two of whom are now in college and one is in high school. Ray's active in high school support activities, mainly band and football. He's also involved in his church contemporary choir as the director, prison ministry and prayer group, and he enjoys woodworking in his spare time. Great seeing you Ray, don't be a stranger!

Donna (Reed) Rosenberger (12/81) is teaching online for Community College of Allegheny County and teaching "Statistics for Nurses" at Carlow University. She also just started working on a PhD in Math at Pitt and is tutoring for the College of General Studies. You are one busy lady, Donna! The kids – Don Paul is a junior Communications major at IUP, and Susanna is a Physics Ed major at IUP. Danielle is in 6th grade, and she is into dance and karate. Always nice to see you Donna!!!

Milt Ferguson (12/96) is still working for Sheetz, Inc. where he does reports for their portal. He volunteers as an adult leader for the Cub Scouts in his spare time. I'm sure son, Ian, enjoys that. Good to see you Milt.

Scott Becker (5/90), and his wife, Louise, have been married 21 years!!!!! I can't believe it. They have 4 kids ranging from a high school senior, freshman, and 2 in middle school. Scott works for CGI Technologies & Solutions as a consultant doing system integration and software development in the public sector and also does project management. In his spare time, Scott drives a taxicab (well, sort of) for the kids to all their games, etc. They also have enjoyed traveling to the Outer Banks, Niagara Falls, and Chicago. They're living in Ohio. Always great to see you six!!!

Also on board was **Tony Popp (12/98)** who is working for ESRI, Defense Services in Johnstown, PA. They do text to geospatial DB mapping in Java, C++ and Database. Tony brought his girls with

him – wife Karen and their three daughters, Victoria who is now six, Vivian who is four, and making her debut appearance is Antionette who is two. They are living in Johnstown and also have a one year old Boston Terrier.

Don Spade (5/08) brought his two daughters, Genevieve (6) and Annaleigh (4). Son Donald, who is only one, didn't make it this year. Don has been married to Jeanine for 17 years!! Don works for the IUP Housing Office doing Technology Support. In his spare time, he bikes on the Ghost Town Trail. I have to mention that Genevieve sang her ABC's for me and also did them in sign language. I was more than impressed!!

Zack Howe (12/96) made the trip from Atlanta where he is working for Bank of America doing Data Hierarchy and Data Architecture. Although Zack says Computer Science grads don't have a life outside of work, he does make mention of a girlfriend in DC who he visits pretty often. And, he also mentions that he runs races – 5K, 10K, half marathons and marathons, AND he also has time for the occasional motorcycle ride to the North Georgia Mountains. Zack, I'm really sorry you don't have any time for some fun**!!**

Michael Rudge (5/83) and Celeste were at the breakfast, but I missed them. They came a little later because of their new puppy, Cali. They adopted Cali on July 3 and are loving every minute of her. Michael is still working for IBM – in his 21st year. Great to hear from you, Michael.

Denise Cattley (12/88) I think I mentioned last time that she is in the middle of a career change. She is doing massage therapy right now and is planning to attend graduate school for Physician Assisting – as soon as she can find an opening. Meanwhile, she's doing pre-requisite coursework. She does hospice volunteering in her spare time and is relocating back to the Pittsburgh area. Denise, it was great to see you and now that you'll be back in the area, I hope you visit more often. Just let me know when you're coming, and I'll arrange to meet you.

Jason Agostoni (12/97), Jackie and Skyler were also there. Skyler is turning into a little girl. Her mother dresses her like a model. Too Cute!!!! It's always great to see you guys.

Mike Higgins (12/79) made his debut appearance. It was really great to meet you Mike!!! Mike is doing consulting in Manufacturing Automation, ADVENTACE, LLC. It's a global change management firm specializing in helping sales operations create the high performance sales environment.   Boy, that's sound interesting, Mike. Mike is married to Cindy (1980 crim major) and has a JD from Duquesne University. Their daughter, Angela, is a junior at PITT majoring in nursing and their son, Matt, is a freshman at IUP majoring in MIS/Economics. They are living in Mars.

Now, I want to apologize to those of you I missed. I know you're out there. I thought all my IUP mail would turn into IUP Auxmail, but it didn't. It started over, and I know there were more good wishes from alumni that I've missed. 🖥

From the Lab

--Joe Shyrock

Another spring semester has started again, all of the students are back, and there are a few changes to let everyone know about.
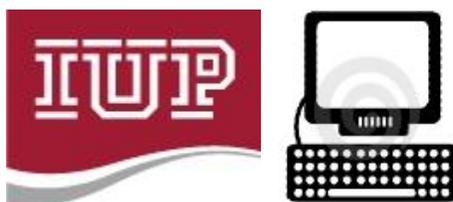
First, we have replaced all of the machines in the Cyber Security Lab (CSL), Stright 107A. As some of you may remember, Dr. Mary Micco and Dr. Bill Oblitey originally made this room possible, and for a while, IUP was one of the few universities in the country with a lab like this. All of the computers were replaced with Dell Precision T5500 workstations; these are very robust machines and should serve the department for a while. The Precisions will also double as computer data forensics analysis machines. The primary software used in the forensics class is called EnCase from Guidance Software. This is a very popular software application among law enforcement agencies such as the PA State Police and Federal Investigators. All of the computers will also be running Windows XP, VMware, and the guest operating system is Fedora Linux. This will enable the department to teach on both VMware and Fedora Linux platforms.

Second, since the Cyber Security Lab (CSL) is coming back to full operations again, the Classroom of the Future (COF), Stright 220, will be rejoined to the IUP Internet backbone and not used for cyber security classes. COF was taken off-line about 7 or 8 years ago and made into an isolated network to allow students a chance to attack each other's computers in this mock cyber environment using Windows XP. The original CSL in Stright 107A, that was setup by Dr. Micco and Dr. Oblitey, only ran Linux. With the new CSL running both operating systems, Stright 220 can be put back to a normal Computer Science classroom that will be back on-line again.

Third, I wanted to let everyone know that the university has decided to start moving to Windows 7. Our college tech support has started the transition and IUP will start supporting the new operating system beginning in the Fall 2010 semester. It will be a long transition as our college, the seven departments, and a few other programs have over 1,000 computers to upgrade. We will continue to support the older computers with Windows XP. All of the new computers that we will receive, either through the departments buying them or through the faculty rotation cycles, will get Windows 7 installed.

Lastly, the university's email service will be getting a much needed quota increase. Currently, the faculty and staff have an email quota of only 240 MB of space. The increase, which is scheduled to happen here in the early to mid spring semester, will get bumped up to 2 GB of space. I myself am very excited about this in particular because of the constant notifications about my quota reaching above 90% will finally stop. ☺ 🖥

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