



General Faculty Meeting Minutes

May 3, 2011

125 Butler-Carlton/Civil Engineering, 4:00pm

- I. Call-to-Order: Faculty Senate President Isaac called the meeting of the General Faculty to order at 4:00pm
- II. Announcements – none
- III. Faculty Senate President Isaac recognized Professor Leon Hall for the presentation of a memorial resolution in honor of Louis Grimm and Professor Kris Swenson for the presentation of a memorial resolution in honor of John Henry Lemmermann and Professor Kelvin Erickson for the presentation of a memorial resolution in honor of Ann Miller. It was moved that the memorial resolutions be incorporated in the faculty meeting minutes with copies forwarded to family members. The motions were approved (see Attachments A, B and C).
- IV. Faculty Senate President Isaac called for approval of the minutes of the December 7, 2010 and April 7, 2011 meetings. The minutes were approved as circulated.
- V. Unfinished Business – none
- VI. Reports of Standing and Special Committees

A. Campus Tenure Committee – Election for representatives to U-wide Tenure Committee

Professor Michael Schulz presented candidates for the U-wide Tenure Committee. The following faculty were elected:

University-Wide Tenure – Ronald Bieniek (Representative)  
Gerald Cohen (Alternate)

B. Other Standing Committees – Election for Representatives

Professor Michael Schulz presented candidates for the Standing Committees. The following faculty were elected:

Public Occasions – Katie Grantham-Lough  
Jag Sarangapani  
Doug Ludlow

Student Awards and Financial Aids – John Sheffield

Student Scholastic Appeals – Yinfa Ma

## VII. New Business

### A. Approval of candidates for degrees.

It was moved and seconded that the names on the previously circulated list of candidates for degrees May 6 and May 7, 2011, be approved, subject to successful completion of any remaining degree requirements. Motion was approved.

### B. Recognition of Faculty Patent Awards. Provost Wray recognized the following:

U.S. Patent No. 7,853,437

“Electromagnetic Emissions Stimulation and Detection Systems”

Daryl Beetner, Todd Hubing and Sarah Sequin

U.S. Patent No. 7,821,269

“Method for Determining the Dielectric Constant of Particles”

Vladimir Petrovsky and Fatih Dogan

U.S. Patent No. 7,759,419

“Corrosion Resistant Coatings”

James Stoffer, Thomas O’Keefe\*, Pu (Paul) Yu\*, Eric Morris and Scott Hayes

U.S. Patent No. 7,747,418

“Computer Aided Dental Bar Design”

Ming Leu and Amit Gawate

U.S. Patent No. 7,746,266

“Microwave and Millimeter Wave Imaging System”

Reza Zoughi, David Pommerenke, Mohamed Ahmed AbouKhoua  
and Mohammad Tayeb Gha Sergiy Kharkivskiy

U.S. Patent No. 7,746,084

“Impedance Measurement Using Line to Line Current Injection”

Keith Corzine and Jin Huang

U.S. Patent No. 7,732,033

“Sealants for Structural Member Joints and Methods of Using”

David Van Aken and Yoshihide Kato

U.S. Patent No. 7,723,247

“Method for Pressurelessly Sintering of Zirconium  
DiBoride/Silicon Carbide Bodies to High Denistities”

Shi Zhang, Greg Hilmas and William Fahrenholtz

\*Deceased

C. Chancellor's Report

Provost Wray announced that Henry Petroski would be the commencement speaker at both ceremonies and he would be awarded a doctor of engineering, honoris causa.

Provost Wray reported the number of eligible graduates at the Friday and Saturday ceremonies. He also reported that the Fall 2011 incoming class would be around 1,130.

D. Faculty Senate President's Report

Faculty Senate President Isaac reported that the Chancellor search open forum was well attended. The Committee has been formed and has met. The co-chairs are Larry Gragg and Cheryl Walker.

Faculty Senate President Isaac also reported that RP&A is continuing to discuss revising the bylaws to define and formalize the role of the Department Chairs Council. From the IFC meeting he reported that the presidential search is on-track. Also, at the IFC meeting, there was discussion about domestic partner benefits and faculty rights and responsibility/civility/collegiality.

VIII. Adjournment – The meeting was adjourned at 4:35pm.

---

Laura K. Stoll, Secretary

## Memorial Resolution

### Louis J. Grimm

Louis J. Grimm was born in St. Louis on November 30, 1933, to the late Louis Grimm Sr. and Florence (Hammond) Grimm. He received a B.S. in Chemistry from Saint Louis University in 1954, an M.S. in Applied Mathematics from Georgia Institute of Technology in 1960, and the doctorate in Mathematics from the University of Minnesota in 1965, under the direction of W.A. Harris, Jr. While on active duty with the U.S. Army in 1956-58 he worked as a biochemist at the Walter Reed Army Institute of Research. During the summers of 1955 and 1958-61 he was a chemist for the U.S. Public Health Service, Technical Development Laboratories. His publication record includes articles in chemistry as well as in mathematics.

Lou's first position after his Ph.D. was at the University of Utah, where he served as Assistant Professor of Mathematics from 1965-69. The most fortunate result of his time at Utah was that he met Barbara Mitko, and they were married in May 1967. Barbara had been a student in one of Lou's classes. Lou and Barbara have two children: Tom Grimm of Nashville, Tennessee, and Mary Grimm Rowe of Madison, Wisconsin.

In 1969 Lou came to UMR as an Associate Professor in mathematics. In his letter accepting the UMR offer, he closed with a promise to compile and send, as soon as he could, a list of journals he "would like the library to get hold of." At that time, the Mathematics Department was undergoing a transition: it would no longer be primarily a teaching department but one that offered graduate degrees and held research expectations for its faculty. Lou clearly understood what his role was to be. During the move from Salt Lake City to Rolla, Lou's 1950s-vintage MG TD only made it as far as the driveway of a friend in Denver. The friend found himself in possession of both a car and a project, as Lou and Barbara continued to Rolla minus the MG.

Lou was promoted to Professor in 1974 and became Chair of the Mathematics and Statistics Department in 1981. He served as Chair for six years, returning to regular faculty duties in 1987. He retired in 2000, but continued to teach for several years. In 2001 the Missouri Section of the Mathematical Association of America honored him with its Distinguished College or University Teaching Award. During Lou's tenure as Chair, the UMR Mathematics and Statistics Department was recognized by the American Mathematical Society for ranking fourth among the Ph.D. granting departments in the country in the percentage of women receiving a doctorate in mathematics during the 1980s.

Lou's mathematics research was in differential equations, and he was an exceptional mentor for three doctoral students. His nearly 40 publications rank him in the top five percent of all mathematicians who have published at least one paper since 1940. Specifying one area, however, does not adequately describe his mathematical interests. One of his external references for his promotion to Professor commented in 1974 on his mathematical breadth, saying, "... he has a very broad research program, he is a very broad mathematician whose interests lie in many of the branches of modern analysis." This breadth, along with his infectious enthusiasm, was one of the reasons he was so good at interacting one-on-one with students. His scholarly achievements earned him a worldwide reputation in the mathematics community. He presented papers in such disparate places as Arizona, Bulgaria (twice), California, Germany, Hungary, Illinois, Ireland, Italy, Michigan, Minnesota, Missouri, Nebraska, Poland (at least three times), Ukraine (then part of the Soviet Union), and Wisconsin. In his travels, Lou did more than just meet people – he made friends. Regular correspondence, not restricted just to mathematics, was the norm, and several of his European friends visited Rolla. Lou had a way of finding meaningful, concrete ways to show his friendship. For example, after one of his visits to Bulgaria in the early 1980s, he quietly shipped a couple of reams of paper to one of his friends there, having noticed that paper was

short supply in Bulgaria. He knew first-hand how much paper a mathematician needed to produce even a short 5-10 page article.

One of Lou's finest qualities was his concern for others. This concern was expressed by active encouragement, and extended to colleagues, students, staff – anyone with whom he came in contact who, in his opinion, was doing something well. He took special pains to make sure staff and graduate students knew they were valued and appreciated. Not only would he tell the people themselves that he thought they were doing a good job, but he would also write letters pointing out their competence. For example, he sat in on a French I class to improve his ability to assess a paper he found interesting. He was so impressed with the teacher that he sat in her class for French II as well, and wrote a very complimentary letter for her when she later looked for a new position. And Lou did not just “sit in” the class – he fully participated, did all the homework, took the exams, and probably worked harder in the course than most of the students who were taking it for credit.

During the last few months of his life, when Lou knew he didn't have a lot of time left, one of his projects, on which he got a good start but could not completely finish, was to think back over his life and identify people who had positively inspired or impressed him in some way. Then he began writing to these people to tell them how much he had appreciated and been enriched by his association with them. He hadn't seen some of them in years; finding addresses wasn't always simple; his energy wasn't what it used to be – but he started doing it. Some of the folks he wrote to answered back; some he didn't have time to get in touch with; and one of these projects is being continued by his friends. What could be better to do in one's final days?

We have tried to give a glimpse of the benefits of having known Lou Grimm, but it is difficult to capture the subtle ways he influenced his friends and colleagues, and not just the ones in mathematics. His genuine love of learning and wide range of interests went well beyond the mathematical breadth described above. Lou was a true believer in the idea of the university as a community of scholars, and he enthusiastically immersed himself in that community. He sat in on many courses, ranging from mathematics and statistics to literature, languages (Russian as well as French), etymology, and even engineering. Lou was one of the best friends the liberal arts disciplines had on campus. His personal library was impressively large and eclectic. If you wanted to know about *anything*, mathematical or otherwise, it was always a good idea to ask Lou – not only did he probably know the answer, but also he usually provided an interesting and unexpected sidelight on the question, plus a book or two you could read to learn more. Thus, all of us were Lou's “students,” or, as he would have had it, “fellow students,” and we are the better for it.

Lou Grimm passed away on December 14, 2010, at the age of 77. The pulmonary and coronary deterioration he experienced in his later years finally became too much, and Missouri S&T lost one of its finest people – one who combined respect for the past with an eye to the future, one who played a key role in transforming this institution into a full-fledged university.

We request that this Memorial Resolution be incorporated into the official minutes of the Missouri S&T General Faculty Meeting of May 3, 2011, and that copies be given to Lou's wife, Barbara, his son, Tom, and his daughter, Mary.

Respectfully submitted,

Leon M. Hall

Russell D. Buhite

Gerald L. Cohen

W. Thomas Ingram

Ilene H. Morgan

V.A. Samaranayake

## **Memorial Resolution for John Henry Lemmermann, III, Dept. of English and Technical Communication**

John Henry Lemmermann died Monday, January 31 at his home in Belle. Born on March 28, 1963 in Long Island, New York, John was the son of John Henry Lemmermann, Jr. and Nancy Anne (Fegers) Lemmermann, both of whom preceded him in death. John is survived by his wife Laura Bettison Lemmermann of Belle and two daughters, Nancy Lemmermann of Belle, and Alyssa Lemmermann of Syracuse, New York. He received a B.A. in English and philosophy from Drake University in 1987 and an M.F.A. in creative writing from the University of Florida in 1992.

John was a lecturer in the Department of English and Technical Communication at the Missouri University of Science and Technology, a position he held since 2003. I knew John during all of his time here. He was a valued, steady teacher of writing and film who carried a heavy teaching load for us without complaint. But let me be honest. John did complain about some things. Sloppy work offended him, and he said so, with gusto. He wanted his students to be responsible people. John prized good, careful, precise writing; it offended his sense of craft to see it done cavalierly.

John was a generous colleague. He gladly listened to his colleagues' laments about students or grading or some incivility or another when he himself had a desk overloaded with papers to grade. Never once did he ask me or anyone else to leave him alone so that he could get some work done. John was a generous colleague as well in the sense that he made you feel that we were all in this together, whether in the hard press of midterm grading or the "here we go again" moment at the beginning of a new academic year.

Academics are a notoriously thin-skinned lot, concerned as we are too often with degrees and status and jealous of office space and parking lot privileges and respect. I can say without reservation that John was one of the least pretentious people I have ever known. His wife, Laura, told me recently that in going through some of John's papers, she found the Master of Fine Arts diploma he earned with honors from the University of Florida. It was not handsomely framed; it did not hang in his office to advertise his credentials to his students. Rather, it was still in the envelope in which it was mailed to him. I never heard him brag about anything that he had accomplished: the degrees that he had received, the successful teaching that he had done, or the things that he had written. John was modest. There was no false modesty about John, however. He was simply a person without affectation. John did not calculate friendships or other relationships based on his estimation of what that person might be able to do for him. He did nothing to curry favor.

One can't offer a remembrance of John without mentioning his sense of humor. It was remarkable for its range. He appreciated practical jokes, the absurd, and the plain lowbrow. Good taste prohibits me from being more specific, I'm afraid. He could be bitterly sarcastic without ever being mean-spirited. John also had a real talent for finding bizarre and offbeat material on the internet. Many of us wonder what we will do without John to forward us stories about vice, folly, and sheer stupidity. He was quite fond of British tabloid newspapers, filled as they are with the rude, the boisterous, and the strange. I don't mean to

suggest that John spent too much time at his computer, but I will say this: if you found a truly odd story, you were always tempted to send it to John. Often I did this, content that he would admit that he'd never seen anything of the kind. But that never happened; he always knew of or found something to beat it.

John's life involved much more, of course, than being a teacher and colleague. He had a broad, eclectic range of interests. John loved movies—hardly a day passed without one or two of John's red Netflix envelopes appearing in the department's outgoing mailbox. He was also a constant reader who, like all of us, wished that he had more time to read, especially those authors he especially prized, such as John Cheever and Annie Dillard, those great chroniclers of home, family, and place.

But most of all, John loved his land in Belle. On those acres he was at peace. Yes, in the warm months he regularly shooed trespassers on four-wheelers from his creek. He disliked anyone who was sloppy or careless or not respectful of the land or the creatures that lived on it. Academics are a famously rootless bunch, many of us migrating around in search of employment or some other satisfaction, with the consequence that nothing every really feels like home. Not so with John. He drew strength from that land. He intended to grow old there. The land refreshed him and reminded him of the real and enduring things in life. It's a long way from Long Island, New York, where he was born, to Maries County, Missouri, but John was no dilettante or gentleman farmer. He always impressed one with his sheer competence, whether with mending fences, repairing a tiller, or wrestling with his dangerous antique furnace. He cared deeply for his goats, dogs, and cats; I think he appreciated the way that country living forces one to face facts from which city people can avert their eyes about conception, birth, and death. He loved his garden in which he grew vegetables for his family's table. He took great pride in being a provider, and I think that the food that he produced from that land let him go to sleep each night assured that he had seen to his responsibilities. A sufficient stack of wood in the fall and winter appeared an outward sign of John's inner grace.

Annie Dillard, one of our great American writers, would have understood how John's passion for the land fed his inner life: "It has always been a happy thought to me," she writes, "that the creek runs on all night, new every minute, whether I wish it or know it or care, as a closed book on a shelf continues to whisper to itself its own inexhaustible tale" (*Pilgrim at Tinker Creek*).

John is sorely missed.

The committee requests that this resolution be incorporated into the minutes of the Missouri S&T General Faculty meeting of May 3, 2011 and a copy be presented to his wife and children.

Respectfully Submitted,  
Kristine Swenson

Trent Watts

Jack Morgan

The Faculty of the Department of English and Technical Communication

## **Memorial Resolution Ann Miller**

Dr. Ann Miller was born in 1947 in East St. Louis, IL, the daughter of Elwood and Virginia Miller. She received her early education at St. Philip School in East St. Louis, graduating from Notre Dame High School, Bellevue, IL in 1964. She continued her education at Saint Louis University, receiving a B.S., M.S., and Ph.D. in Mathematics.

Dr. Miller's professional career encompassed industry, government and academia. She served on the faculty of Southern Illinois University at Carbondale, Michigan Technological University, and the University of New Mexico. She held various positions within Motorola, Inc. culminating as a manager of the Technology Center for the Motorola Land Mobile Products Sector. From 1997-1999, Dr. Miller was at the Department of Defense. For more than a year of that time, she was the Deputy Assistant Secretary of the Navy for Command, Control, Communications, Computing, Intelligence, Electronic Warfare, and Space (DASN(C4I/EW/Space)) and was the Department of the Navy Chief Information Officer for part of that period.

Dr. Miller joined UMR (now Missouri S&T) as the Cynthia Tang Missouri Distinguished Professor of Computer Engineering in 1999. Her research interests were in trustworthy computer systems, including computer and network security. She was the visionary in establishing the network centric engineering area at S&T as a part of the Systems Engineering Graduate program.

Dr. Miller had varied service experience. She was an Associate Editor-in-Chief for *IEEE Software*, and a member of the Administrative Committee of the IEEE Reliability Society. Recently, she served multiple years as a member of a National Academies Study Board for the U.S. Department of Navy; as a member of the NATO Information Systems Technology Panel; and as a member of the NATO Task Group on Dual Use of High Assurance Techniques.

Dr. Miller was dedicated to student learning and was one of the first faculty members who regularly taught distance-education courses and effectively incorporated technology in the classroom. She was determined to help these students learn the material in spite of the diminished personal interaction inherent in a distance-education course.

Dr. Miller was a champion of diversity, from prospective undergraduate students to Ph.D. graduate students and to those outside of S&T. Through the U.S. Dept of Education GAANN student fellowship program grant, she has increased the number of ECE female graduate students. As chair of GLOBECOM 2005, she led the effort to fund junior-high and senior-high school students and teachers to attend this conference and to be exposed to engineering. She gave presentations at local high schools and represented ECE at Transfer Advising days and at campus open houses. She helped during National Engineers Week in St Louis and UMR Day at the Engineers Club. She was a speaker for the Chancellor's Leadership Program and at numerous UMR Society of Women Engineers panels. She served as one of the Eta Kappa Nu advisors. Outside of Rolla, she increased the participation of women in the NATO Information Systems Technology Panel that she chaired as well as on NATO Task Groups which reported to the Panel. In terms of diversity, NATO is a very diverse body and it is a testament that she was elected chair (the first woman to hold that position in all the Panels).



Dr. Miller quietly excelled in an uninterrupted succession of technical and leadership positions, producing a career of which anyone would be proud. This quality extended to her hobbies. Some people like dogs – she typically had four at a time, each weighing over 150 pounds. Car enthusiasts abound – but she became a student at the Skip Barber school of racing. She was also President of the Midwestern Single Malt Scotch Society. Until her health intervened, she was the gracious hostess of an annual Halloween Party and was a source of harmony and camaraderie among her colleagues. She can certainly be said to have lived life to the fullest.

Ann departed this life Friday, December 10, 2010, at St. Luke's Hospital in Chesterfield, Missouri. She is survived by her parents, Elwood and Virginia Miller; one brother, Scott Miller and wife Beta, Chesterfield; a niece; two grand-nephews; and friends.

We request that this memorial resolution be incorporated into the official minutes of the Missouri S&T General Faculty Meeting of May 3, 2011, and that copies be sent to her parents and brother.

Respectfully,

Cihan Dagli

Kelvin Erickson

Ali Hurson

Bruce McMillin

Sahra Sedigh

Donald C. Wunsch