



General Faculty Minutes

December 7, 2010

125 Civil Engineering Building, 4:00 P.M.

- I. Call-to-Order, Chancellor John Carney III called the meeting of the General Faculty to order at 4:00 P.M.
- II. Announcements – None
- III. Chancellor Carney recognized Professor Kelvin Erickson for the presentation of the memorial resolution in honor of Leroy Alt; Professor Lokesh Dharani for the presentation of the memorial resolution in honor of Peter Hansen; Professor Kelvin Erickson for the presentation of the memorial resolution in honor of Thomas Herrick; Professor Ronald Kohser for the presentation of the memorial resolution in honor of Fred Kisslinger; and Professor Phillip Whitefield for the presentation of the memorial resolution in honor of Hector McDonald. The motions were approved. (see Attachments A, B, C, D and E).
- IV. Chancellor Carney called for the approval of the minutes from the August 31, 2010 meeting. The minutes were approved as circulated.
- V. Unfinished Business – None
- VI. Reports of Standing or Special Committees – None
- VII. New Business
 - A. Approval of Candidates for Degrees - Motion was made that the names on the previously circulated list of candidates for degrees on December 18, 2010 be approved, subject to successful completion of any remaining degree requirements. The motion was approved.
 - B. Chancellor's Report

Chancellor Carney gave an update on President Forsee's wife and announced that Keith Baily would give the commencement address. He also reviewed building project requests that will be sent to the December 9-10 Board of Curator's meeting. Chancellor Carney compared the count of candidates this December and last year.
 - C. Faculty Senate President's Report

Faculty Senate President Isaac reported that the committee reviewing electronic evaluations for instructors will present to the Faculty Senate a motion to have teaching evaluations done electronically, for approval in January with implementation planned for Spring 2011. He also gave an update on retirement benefits, grievance procedures, and the student academic integrity issue.
- VIII. Adjournment – The meeting was adjourned at 4:45 P.M.

Memorial Resolution
Leroy H. "Fritz" Alt

Leroy Henry "Fritz" Alt, was born in 1938 in Pacific, Missouri, the son of Leroy John Philip Alt and wife Florence Louise, nee Herzig. He received his education in the Pacific schools, graduating from Pacific High School in 1956. He continued his education at the Missouri School of Mines & Metallurgy (now Missouri S&T), receiving his degrees of Bachelor of Science and Master of Science in physics.

Mr. Alt spent 46 years teaching math, science and engineering courses at the high school and college level. He began his teaching career at Washington High School in 1963, where he taught for three years before moving into college teaching. His career as a college instructor began in 1966 with three years as an instructor of math and physics at Jefferson College, Hillsboro. In 1969, he joined the charter faculty of East Central College, where he taught for the next 24 years, building one of the most effective pre-engineering programs in Missouri and preparing hundreds of students for successful transition to universities and ultimately to successful careers in engineering, math and science. He was widely regarded as one of the best college instructors in the state.

In 1993, he retired from East Central College and subsequently taught electrical circuits courses in the electrical and computer engineering department at his alma mater, University of Missouri-Rolla (UMR), now Missouri S&T, for 16 years, retiring in 2009. During his teaching career, he received multiple awards as an outstanding educator. He also received the UMR Alumni Association Merit Award as well as an award from the UMR chapter of Sigma Xi Scientific Research Society and honorary membership in Phi Theta Kappa and Phi Kappa Phi scholastic honor societies.

In the early 1990s the UMR EE faculty were reviewing retention data for transfer students. When the data was displayed by school, there was a clear outlier. East Central College students consistently graduated at higher rates, and with higher GPAs, than students from any other transfer institution. In fact, the East Central students were out-performing the students who attended UMR for their first two years. The faculty were about to discard the data as obviously incorrect, when Prof. Tom Herrick assured the committee that it was accurate. Tom told the group of a legendary "super-teacher" at East Central. This guy taught Calculus, Physics and Electrical Circuits classes. Despite covering a wide range of topics, and the heavy teaching load typical at community colleges, he provided his students with an education which was second to none. When Prof. Herrick was asked how this was possible, he simply shrugged and said, "He loves to teach, and he loves his students."

Once Leroy joined the faculty at UMR/S&T, he continued to have a heavy teaching load. He was frequently assigned to the service course for non-majors, which was taught in large sections of 100-150 students. It was not uncommon to see long lines of students waiting outside his office for advice. One of the days when the line was particularly long, a colleague of Leroy's asked the last student in line if the wait was frustrating. The student replied that if he were waiting for anyone other than Prof. Alt, that he would be annoyed. But Prof. Alt was so helpful, that it was well worth his time to wait in line to speak with him.

Leroy contributed to the electrical and computer engineering department in other ways. He enjoyed sharing experiences with other faculty, especially young faculty. Although unassuming, he spoke from a keen understanding of students. For example, Leroy suggested better methods for teaching sophomore-level circuits courses. Faculty began following his suggestion by organizing the circuits courses with four examinations per semester rather than three, and by having homework due every class period. His example and insight will continue to benefit the way circuits are taught for years to come.

On Aug. 17, 1968, Leroy was married to Barbara Ann Niblett at Trinity Baptist Church, Boyd, Texas, and three children were born to bless their marriage. Leroy departed this life Sunday, July 4, 2010, on the family farm where he was born. He is survived by his wife, Barbara A. Alt; two sons, Philip B. Alt, Pacific, and John T. "Tim" Alt and wife Karen, Zionsville, Ind.; one daughter, Diana K. Alt, Olathe, Kan.; one brother, Henry P. Alt and wife Charlene, Pacific; two grandchildren, Kendra and Daniel Alt; numerous nephews, nieces, cousins, brother and sister-in-laws and friends.

In addition to his teaching career, he was engaged in grain and swine farming with his father and his brother and, more recently, his nephew, Paul. He was an active member of the Farm Bureau and in 1979 he and his brother received a farm management award from the University of Missouri. In his spare time, he enjoyed collecting model trains and farm toys, spending time with family and friends and watching sporting events, especially the St. Louis Cardinals.

Mr. Alt was a member of Pacific United Methodist Church, the Gateway Farm Toy Club, Train Collectors Association, the Washington Elks and a frequent worshipper at Pacific Presbyterian Church, where he was baptized and confirmed in his youth.

We request that this memorial resolution be incorporated into the official minutes of the Missouri S&T General Faculty Meeting of December 7, 2010, and that copies be sent to his wife and children.

Respectfully,

Kelvin Erickson

Kurt Kosbar

Randy Moss

Steve Watkins

Memorial Resolution
Dr. Peter G. Hansen
(1927-2010)

Dr. Peter G. Hansen was born in Curryville, MO., on Nov. 2, 1927, to James and Rose Hansen. Pete was married to Joan Hailey Hansen for 56 years. They were blessed with three daughters, Karen Farnam, Beverly Nokes and Dena Jones. Pete and Joan have four grandchildren.

Dr. Hansen graduated from Bowling Green High School in June 1944 and immediately joined the US Army. His tour of duty with the Corps of Engineers was in Germany. After serving his country Pete enrolled in the Missouri School of Mines and Metallurgy in 1949. He received Bachelor of Science and Master of Science degrees in civil engineering in 1953 and 1957, respectively. He attended Washington University and earned a Doctor of Science (Sc. D.) degree in applied mechanics in 1963. Pete was commissioned 2nd Lieutenant Army Engrs in 1953. Pete became an instructor in 1953 and rose to the rank of professor at MSM-UMR. He was acting department chairman in the Engineering Mechanics Department February 1971 to August 1971. Then he served as chairman in the department from August 1971 to August 1988 when he retired.

Pete conducted research in the area of experimental stress analysis. He developed and taught two courses in experimental stress analysis, which were populated by students from many disciplines on campus. Pete was a perfectionist when it came to experimental work. He extended the same attitude towards teaching undergraduate laboratory courses. He insisted and made sure that the Lab courses were taught by regular faculty members and not by Graduate Teaching Assistants. That's the way it was as long as he was the Department Chair. In addition to experimental stress analysis courses he taught an array of mechanics courses that included statics, dynamics, mechanics of materials, mechanics of materials lab, advanced mechanics of materials, theory of elasticity, energy methods, theory of plasticity and theory of stability. The favorite part of his career was when he was in the classroom. Students often thought of him as a favorite professor and came to him for individual attention. He was on a number of University Committees during his tenure. Pete was a member of the American Association for the Advancement of Science, American Society for Engineering Education, American Academy of Mechanics, Missouri Academy of Science, Instrument Society of America, American Society for Testing and Materials, and the Society of Engineering Science. He was a registered Professional Engineer in Missouri.

Dr. Hansen was very devoted to the university and he could be found in his office or the lab every day of the week including the weekends. He always made time to work with the new faculty to make sure they got off to a good start in their academic careers. Pete coped with the lean budget years by making many trips to the state's surplus warehouse to search for items that could be put to good use in the department. Pete was also very frugal with his own resources as evidenced by the classic Buick station wagon that he drove to campus on a regular basis.

Pete was a proud member of Sigma Phi Epsilon Social Fraternity during his student days and later as an alumnus he served as the Chapter Treasurer from 1963-1998. His community service included 18 years in the Kiwanis Club as a member, president, secretary, and treasurer. He was a past member of the Board of Directors of the Rolla Community Development Corporation and the Planning and Zoning Commission.

Reading was Pete's favorite pastime. In his library you could find a wide variety of books, including the classics as well as the complete works of his favorite authors. He read every day for several hours. Gardening was also a favorite spare time activity and once his yard was chosen "Yard of The Month".

Pete was a very quiet, forthright and honorable man who brought a superior sense of integrity to all his endeavors, personal and professional. All who knew Pete will miss him.

We request that this memorial resolution be incorporated into the official minutes of the Missouri University of Science and Technology General Faculty Meeting of December 7, 2010, and that copies be sent to Professor Peter Hansen's wife and children.

Robert L. Davis
Professor Emeritus
Interdisciplinary Engineering

D. Ronald Fannin
Professor Emeritus
Interdisciplinary Engineering

Ashok Midha
Professor and Chair
Department of Mechanical & Aerospace Engineering

Lokeswarappa R. Dharani
Curators' Professor
Department of Mechanical & Aerospace Engineering

Gearoid P. MacSithigh
Associate Professor
Department of Mechanical & Aerospace Engineering

K. Chandrashekhara
Curators' Professor
Department of Mechanical & Aerospace Engineering

Memorial Resolution
Thomas J. Herrick

Thomas Jude Herrick was born in 1936 in St. Louis, Missouri, the son of George and Helen Herrick. He graduated from McBride High School in St. Louis, Missouri in 1953, obtained a Bachelor of Science degree in Electrical Engineering from the Missouri School of Mines & Metallurgy (now Missouri S&T) in 1958.

After graduating in 1958, Tom moved to California with his family to work for the Department of Navy on several critical weapon systems. He moved back to Rolla in 1961 after being offered a position as an instructor at MSM and began work toward his master of science degree, which he finished in 1968. Tom retired from the faculty of the Department of Electrical Engineering at the University of Missouri-Rolla (UMR) in 2000. Tom was also honored as an inductee into the MSM-UMR Academy of Electrical and Computer Engineering in 2004. In his 39 years of service to the university, he leaves a strong legacy through his influence in the lives of many students. He loved teaching and delighted in his students.

Tom's primary interest was in teaching electronics and applied his engineering background in a very practical way. He would spend many hours with struggling students and loved working with them on their senior design projects. In spite of his sometimes seemingly gruff manner he had a very soft heart and had a jovial outlook on life.

Tom was a gifted athlete and was the co-captain of the 1956 football team, which won the Missouri Intercollegiate Athletic Association (MIAA) championship. He was an all-conference performer for the Miners at guard that season and was considered to be one of the top defensive tackles on the MSM squad during his playing career. Tom was inducted into the 16th MSM Athletic Hall-of-Fame in 2002 to recognize his outstanding contribution to the campus athletic program. In 2006, the entire Miner's 1956 football team was inducted into the 20th MSM Athletic Hall-of-Fame for winning the MIAA championship. Tom was a great supporter of the Campus Newman Center and an active member of St. Patrick Church. Many will remember his outdoor love for bass fishing.

Tom married Ruth Miles in 1956 and to the this union two sons, Mark and Pat were born. Tom divorced and later met the love of his life, Cecilia (Grette) Stake and they were married from 1971 until March 2010 when Grette passed from a long illness. Tom cared for Grette at home for the entire duration of her illness. Tom was a giver and spent a considerable amount of his time and effort in the interest of Mark, Pat, Grette and his aging mother.

Tom Herrick passed away in Rolla, Missouri on September 1, 2010. He is survived by his brother, Michael Herrick of St. Louis, Missouri, and sister, Helen Ray Roulston of Independence, Missouri; his sons, Mark Herrick of Huntsville, Alabama, and Pat Herrick of Rolla; his daughters Karen Lyman of Rolla, and Sondra Schmittgens of Wichita, Kansas. He had eleven grandchildren, Genevieve Herrick, Lydia Herrick, Sadie Herrick, Stacie (Ledgerwood) Gajdosik, Jacob Tyndall, Miriam Tyndall, Jeremiah Lyman, Jonathan Lyman, Michael Lyman, Christopher Lyman, and Natalie Lyman. He had three great-grandchildren, Harmony Tyndall, Dalton Klieber, and Kayden Herrick; numerous aunts, uncles, nephews, nieces, cousins, brother and sister-in-laws and friends.

We request that this memorial resolution be incorporated into the official minutes of the Missouri S&T General Faculty Meeting of December 7, 2010, and that copies be sent to his children.

Respectfully,

Kelvin Erickson

Earl Richards

Memorial Resolution
Dr. Fred Kisslinger

Dr. Fred Kisslinger, Professor Emeritus of Metallurgical Engineering, was born in St. Louis in 1919 and passed away Monday, September 20, 2010 in Rolla, at the age of 90. At the age of 10 months, he contracted polio that left him with a paralyzed left leg that forced him to walk with a leg brace all of his life. Fred graduated from the Elias Michael School for Crippled Children and Ben Blewitt High School in St. Louis, before enrolling at the Missouri School of Mines where he earned a BS in chemical engineering in 1942. He continued his education at the University of Cincinnati, studying metallurgy and teaching laboratory classes, obtaining an MS in 1945 and a PhD in 1947. Fred met and married his wife Rhea while in graduate school and they raised two natural children, David and Deborah, and two adopted children, Danny and Bonnie.

Dr. Kisslinger began his teaching career in September, 1947 at the Illinois Institute of Technology, teaching metallurgical engineering. In 1964, he transferred to the Missouri School of Mines, which became the University of Missouri-Rolla one year later, and assumed responsibility for classes in metallurgical thermodynamics and the heat treatment of steels. Past students remember him as a dedicated educator who was always accessible, maintaining open office hours from 1-5 p.m. every day. Graded homework and exams were always returned at the next class period. His thermo class, using what was called the Keller-plan, was innovative for its day. There were no lectures. Instead, students were challenged to master fifteen subject-based modules, and demonstrate their proficiency by passing an exam on each. Upperclass students were hired as mentors or coaches, and the students were present as Dr. Kisslinger graded their exams on a one-on-one basis, walking them through their errors and misunderstandings. Failure to master a module simply meant more study and a future attempt at a similar, but different exam on the same material. Course grades were based on the number of modules successfully passed.

For many years, Fred was the freshman advisor for metallurgical engineering majors, welcoming students into the department. His policy of taking a student's picture and placing it in their file was standard procedure long before it was implemented in Freshman Engineering. A staple food at every department picnic or outing was the infamous "metburger", the recipe for which was Fred's closely guarded secret. Fred maintained his health with long-distance swims on an almost daily basis and spent many weekends fishing on the Gasconade. He was an avid basketball fan and had a regular seat, frontrow and mid-court, at UMR games.

Reflecting his appreciation for education and his love of sports, Dr. Kisslinger established three endowment funds: the Kisslinger Metallurgy Endowment Fund at the University of Cincinnati, and the Kisslinger Athletic Endowment Fund and Kisslinger Metallurgy Endowment Fund at Missouri S&T. He was a member of the Order of the Golden Shilleagh and the Missouri S&T Honorary Coaches Club.

This resolution shall be recorded in the minutes of the General Faculty with copies being provided to Dr. Kisslinger's surviving children: Deborah Hogue of Yukon, MO, Danny Kisslinger of St. James, MO, and Bonnie Moreland of St. James, MO.

Respectfully submitted:

Ronald A. Kohser

Matthew J. O'Keefe

Mark Schlesinger



Memorial Resolution

Hector Oman McDonald

Professor Emeritus of Chemistry
September 4, 1930 – July 18, 2010

Hector Oman McDonald of Rolla, Missouri passed away on Sunday, July 18, 2010 at the SSM St. Clare Hospital in Fenton, Missouri. Hector McDonald was 79 years, 10 months, and 14 days of age.

Hector McDonald was born on September 4, 1930 at Casper, Wyoming to James Edward and Thelma (Oman) McDonald. He was united in marriage to Rosella Fay Cole on September 14, 1952 at the Central Methodist Church in Sedalia, Missouri. They were married for 57 years.

Dr. McDonald attended Central Methodist College and received an A.B. degree in chemistry in 1952. Following graduation, he worked for a short time as a technician at International Milling Co., Kansas City, MO. He then began his studies at Alabama Polytechnic Institute where he worked as a graduate assistant and obtained an M.S. degree in chemistry in 1954. From 1954 – 1955 he was a control chemist at Southern Cotton Oil Company. He then enrolled at the University of Arkansas, where he worked as a graduate assistant and received his Ph.D. in chemistry in 1960.

Dr. McDonald then joined the faculty of West Texas State as an Assistant Professor and left there as an Associate Professor in 1963. During that time he was also a visiting Associate Professor for two summers at Louisiana State University. He joined the faculty at Missouri School of Mines and Metallurgy in 1963 as an Assistant Professor of Chemistry and advanced through the ranks to Professor in 1986. He served the chemistry department at various times as division chairman for physical chemistry, division chairman for inorganic and nuclear chemistry, freshman chemistry coordinator, and chemistry transfer student advisor. He retired as Professor Emeritus in 1992.

Dr. McDonald also worked as a research chemist at the U.S. Bureau of Mines in Rolla in the 1970's until they closed. In 2003, he received an award for 50 years of membership in the American Chemical Society (ACS). Dr. McDonald served one-year terms as treasurer of the Pan Handle Plains Section and the South Central Missouri Section of the ACS and one term as Chairman of the South Central Missouri Section. He was also a member of the Royal Society of Chemistry.

Dr. McDonald was a Deacon at the First Baptist Church in Rolla, and was still teaching Sunday school class at the time of his death. He was in the Boys Scout for many years and was awarded the Vigil Honor. He was also a member of the Optimist Club and the Alpha Phi Omega Fraternity. His hobbies were reading books, working on the computer, fishing, collecting stamps and Charles Schulz Peanuts memorabilia, and he loved his three dogs.

Preceding Dr. McDonald in death are his parents James Edward and Thelma (Oman) McDonald.

Dr. McDonald is survived by his wife Rosella Fay (Cole) McDonald of the home in Rolla; one son Stephen Lee McDonald and wife Kimberly of Tyler, Texas; one daughter Marsha Pounds and husband George of Rolla; three grandchildren Kelly Robinson, Christopher Robinson and Hanna Rose McDonald; along with many friends, and extended family. He will be greatly missed by all who knew and loved him.

We request that this Memorial Resolution be incorporated into the official minutes of the Missouri S&T Faculty Meeting of December 7, 2010, and a copy be presented to his wife and children.

Respectfully submitted,

The Faculty of the Department of Chemistry

Philip D. Whitefield, Chair