



General Faculty Meeting Minutes

May 1, 2012

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

- I. Call-to-Order: Faculty Senate President Davis called the meeting of the General Faculty to order at 4:00pm
- II. Announcements – none
- III. Faculty Senate President Davis recognized Professor Wayne Huebner for the presentation of a memorial resolution in honor of Ed Lorey and Professor Leon Hall for the presentation of a memorial resolution in honor of Anthony J. Penico and Professor Ron Fannin for the presentation of a memorial resolution in honor of Edward M. Raney. 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 Davis called for approval of the minutes of the December 6, 2011 meeting. 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 Davis presented candidates for the U-wide Tenure Committee. The following faculty were elected:

University-Wide Tenure – Mariesa Crow (Representative)
Matt Okeefe (Alternate)

B. Other Standing Committees – Election for Representatives

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

Public Occasions – Joel Burken
Michael Davis
Sahra Sedigh

Student Awards and Financial Aid – Robert Roe

Student Scholastic Appeals – Jim Drallmeier

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 4 and May 5, 2012, be approved, subject to successful completion of any remaining degree requirements. Motion was approved. (Two additional names were added at the meeting, one in Mining Engineering and one Graduate Certificate in Human Computer Interaction).

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

U.S. Patent No. 7,901,769

“Corrosion-resistant Glasses for Steel Enamels”

Richard K. Brow, Genda Chen, Signo Tadeu Dos Reis and Mike Koenigstein

U.S. Patent No. 7,962,870

“Prediction of Dynamic Current Waveform and Spectrum in a Semiconductor Device”

James Drewniak, Xiaohe Chen, Sandeep Chandra, Peter Boyle, Iliya Zamek, Zhe Li, Bozidar Krsnik and Shihuang Sun

U.S. Patent No. 8,034,592

“Fossil Fuel Free Process of Lignocellulosic Pretreatment with Biological Hydrogen Production”

Melanie Mormille, Dwayne Elias, Matthew Begemann and Judy Wall

U.S. Patent No. 8,062,681

“Amino Acid Oligomer Dietary Supplement”

Shubhender Kapila and Monty Kerley

U.S. Patent No. 8,097,548

“High Density pressure-less sintering Zirconium Diboride Silicon Carbide composite Bodies and a Method for producing the same”

Shi Zhang, Greg Hilmas and William Farenholtz

U.S. Patent No. 8,129,887

“System and Method for Harvesting Energy from Environmental Vibrations”

Shahab Mehraeen and Jagannathan Sarangapani

U.S. Patent No. 8,143,996

“Decentralized Radio Frequency Identification System”

Jagannathan Sarangapani, Kainan Cha, Anil Ramchandran and Can Saygin

U.S. Patent No. 8,148,133

“A combined fossil fuel free process of lignocellulosic pretreatment with biological hydrogen production”

Melanie Mormille, Dwayne Elias, Matthew Begemann and Judy Wall

U.S. Patent No. 8,143,903

“A method for identifying resonances in electronic systems”

David Pommerenke, Wei Huang and Peng Shao

C. Chancellor's Report

Provost Wray announced that Chancellor Schrader was sorry she was not there is person today, but she is traveling.

Provost Wray reported that Missouri S&T hosted the UM System Board of Curators on April 5 and 6. The Board of Curators approved the naming of the new Biological and Chemical Engineering Building to James E. Bertelsmeyer Hall.

Provost Wray gave a report of the UM System priorities for the coming year as presented by President Wolfe. They are strategic planning, attracting and retaining the best people, innovative instruction, operational excellence, expanded research and economic development and effective communication of our value and importance.

Provost Wray talked about the Miner Village and its amenities.

Provost Wray said that Chancellor Schrader is spending time meeting with departments this summer and fall. She looks forward to working with the General Faculty to advance the System's priorities and chart the course for Missouri S&T.

D. Faculty Senate President's Report

Faculty Senate President Davis reported the committee assignments for next year for the Grievance Panel. Faculty Senate President Davis also reported that the Faculty Senate received nominations from 12 to 19 academic departments. Those will be voted on by the committee in June.

Faculty Senate President Davis announced that Faculty Senate passed a motion thanking Provost Wray for his service as Chancellor. They also passed a motion welcoming Chancellor Schrader.

Faculty Senate President Davis reported that at the IFC meeting there was discussion about Non-Tenure Track for Librarians, Tax-deferred Investment Plan Changes, and Calendar issues.

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

Laura K. Stoll, Secretary

George Edwin Lorey

Professor Emeritus of Ceramic Engineering
Dean Emeritus, Extension

4/21/23 – 2/8/12

Alfred University, B.S. and M.S. in Ceramic Engineering. 1949, 1951
Rutgers University, Ph.D., Ceramic Engineering 1965

George Edwin (Ed) Lorey was born on April 21, 1923 in Brooklyn, NY and grew up in Freeport Long Island. He was the son of George and Agnes Lorey and the grandson of German immigrants. He died peacefully at the Presbyterian Manor in Rolla, Missouri on February 8th, 2012. Ed was married to Elizabeth (Toy) Lorey on March 27, 1953 in New Brunswick, NJ. He is greatly missed by his wife Beth, daughters Jessica (Tobias) Kreidl of Flagstaff, AZ, Liz (Dennis) Barclay of Midlothian, TX, and sons George (Jennifer) Lorey of Boca Raton, FL, and Rob Lorey of Ste. Genevieve, MO., and six grandchildren. After 32 years on the faculty, Ed retired from the University of Missouri-Rolla in 1988. He spent his retirement enjoying his family, land, horses, dogs, and playing golf. He was an active volunteer in the community and was a member of the Noon Kiwanis Club of Rolla, Salvation Army, United Way, and the Missouri S&T Retiree's Association.

Education

Ed was a freshman at Alfred University in Alfred, NY when Pearl Harbor was bombed by the Japanese. Like so many other young men, Ed's college career was put on hold when he was drafted into the US Army in 1942. He served in the Signal Corps and fought in the Pacific theater helping to liberate the Philippines. After the war he was briefly stationed in Tokyo at General MacArthur's headquarters. After being discharged from the Army in 1945, Ed returned to Alfred University where completed his B.S. and M.S. in Ceramic Engineering in 1949 and 1951, respectively. Ed then enrolled in Rutgers University in New Brunswick, NJ and began doctoral work in Ceramic Engineering.

Ed and his wife Beth started their family in New Brunswick and moved to Rolla in 1956 where Ed accepted a position as an assistant professor in Ceramic Engineering at the Missouri School of Mines and Metallurgy (now Missouri S&T). Rumor has it that Ed and Beth came to Rolla in a covered wagon, but that has been proven to be a myth --- Beth came by car. Ed immediately endeared himself to his students for his teaching skills and humorous lectures on glass and phase equilibria of oxide compounds. Ed continued his doctoral work at Rutgers as he dedicated himself to teaching and helping many ceramic companies in Missouri as a consultant on high temperature refractory materials for glass furnaces. Ed received his doctorate in Ceramic Engineering from Rutgers in 1965.

Ed's academic career spanned the period when the Missouri School of Mines became the University of Missouri-Rolla, a period of great change and growth. In 1965, Ed was appointed the first Dean of the Continuing Education Program, and served in that position for 22 years until his retirement. Under his leadership, the Continuing Education Program was started in St. Louis whereby engineers working in industry, such as for McDonnell Aircraft (now Boeing Aircraft) could take courses taught by UMR faculty and obtain graduate degrees. Ed was instrumental in obtaining the funds needed to obtain a license for our public radio station, known as KMST, which now serves a large segment of south central Missouri and has expanded the image of Missouri S&T.

Ed was also something of an actor, and along with his wife Beth, they started a faculty and wives Little Theatre that was the only performing arts group in Rolla for many years. Ed was very student oriented, and the many hours of his time which he devoted to student groups was recognized when the St. Pat's board named him an Honorary Knight. Ed shared this honor with Beth who was the first woman to be named an Honorary Knight in recognition of her many years of service as the St. Pat's Board Social Advisor.

Among Ed's many talents was a strong voice that was put to good use when he announced the name of each graduate at the Commencement Ceremony. It is rumored that some students invented the most difficult to pronounce name they could come up with, but for 14 years Ed never came across a name he couldn't pronounce.

After retirement, Ed served as President of the UMR Retirees Association and, for many years, as editor of their newsletter. In 1996, Ed and Beth became members of the Order of the Golden Shillelagh as a means of continuing their strong support of the KMST public radio station and Lady Miner Basketball.

Professor and Dean George Edwin Lorey provided valuable and dedicated service to this campus during his 32 year career. He was instrumental in establishing programs that touched the lives of thousands of students during a period of rapid growth as the Missouri School of Mines transitioned to the University of Missouri-Rolla and eventually to what has become the Missouri University of Science and Technology.

We request that this Memorial Resolution be incorporated into the official minutes of the Missouri S&T General Faculty meeting of May 1, 2012, and a copy be presented to Professor Lorey's wife Beth and his children.

Respectfully submitted,

The Faculty of the Materials Science and Engineering Department
Missouri University of Science and Engineering.

Dr. Anthony Joseph (Tony) Penico was born in Philadelphia on June 11, 1923. His grandparents were Italian and Irish immigrants who came to America in the middle of the 19th century. Tony grew up during the Depression in a predominantly lower-class Italian part of South Philadelphia. This area has also been home to Mario Lanza, Frankie Avalon, and Sylvester Stallone; Tony's future was in mathematics, however, not entertainment. Upon graduation from South Philadelphia High School, he won scholarships to the University of Pennsylvania, where he earned a B.S. in Physics in 1946 and a Ph.D. in Mathematics in 1950. In addition to academics (Tony was a Phi Beta Kappa) he excelled as a track and field athlete, specializing in the hammer throw, winning that event at several meets.

In 1948, Tony convinced Eva Yaremko to marry him. Eva completed an M.A in Russian at Penn the same year Tony finished his doctorate, and after graduating they moved to the Boston area, where Tony taught mathematics at Tufts College. They had two sons, David and Stephen. In the mid-1950s the family relocated to Northern California, where Tony held the position of Senior Engineering Specialist at the General Telephone and Electronics Research Laboratories. Later, in the early 1960s, he became Senior Research Mathematician at the Stanford Research Institute. He also taught part-time at the University of California, Berkeley, and at Stanford.

In 1966 Tony accepted an offer to come to UMR as Professor of Mathematics. His hiring was part of the general effort during Merl Baker's chancellorship to strengthen the faculty, create and expand graduate programs, and emphasize research at UMR. Tony had a positive impact on the mathematics graduate program. His three doctoral students were among the first to achieve that degree in mathematics at UMR, and he served as a Ph.D. committee member for at least 20 other students, both inside and outside the department. He won an Outstanding Teaching Award on 1968.

Tony's doctoral thesis was in abstract algebra, but he soon shifted his research interests to applied mathematics, not ignoring the usefulness of abstract algebra in physics-related applications. He was interested in energy and energy utilization, especially solar energy. In the mid-1970s he was co-chair of the Solar Energy Committee of UMR, which met for about an hour and a half each week to discuss problems associated with solar energy utilization, and he also participated in the UMR Energy Colloquium, which also met weekly for an hour and a half to discuss all aspects of energy utilization.

Tony Penico retired in 1986. During the latter part of his career, he accepted a higher teaching load in lieu of research expectations and was responsible for an important part of the department's teaching effort. A number of the department's upper division and graduate courses, covering several disparate areas of mathematics, were developed and taught by him. When he retired, it was impossible to replace him with a single faculty member because of his broad teaching expertise in many areas of both pure and applied mathematics.

Tony was an active member of the Rolla Quakers (Religious Society of Friends). He enjoyed travel, and after retirement he and Eva went to Europe several times. He was also an avid follower of Cardinals baseball. His love of and enthusiasm for mathematics were obvious, and through the years he received many letters from students thanking him for passing that love and enthusiasm on to them.

Tony Penico passed away on November 19, 2011. His son David preceded him in death, and he is survived by his wife Eva, his son and daughter-in-law Steve and Paige Penico, and his granddaughter Ella.

We request that this Memorial Resolution be incorporated into the minutes of the Missouri S&T General Faculty Meeting of May 1, 2012, and that copies are sent to Dr. Penico's wife Eva and his son Steve.

Respectfully submitted,

Leon M. Hall

V.A. Samaranayake

Steve Clark

Memorial Resolution Edward M. Raney

Edward M. Raney was born on November 2, 1940, to Ivan and Mabel Raney in Gulfport, Mississippi. He graduated high school in Humphreys, Missouri. Ed and his beloved wife of 52 years, Armilda (Montgomery) Raney, were married on July 5, 1959, and lived in Trenton, Missouri, until they moved to Rolla for Ed to attend the Missouri School of Mines and Metallurgy. Ed earned a BS in Civil Engineering and an MS in Engineering Mechanics from what had become by this time the University of Missouri – Rolla. While a graduate student he was an Instructor in Engineering Mechanics. He was a member of Chi Epsilon and Tau Beta Pi.

Ed began his professional career in California and worked for construction companies and for a consulting company until 1977. He became a registered professional engineer licensed in California. In 1977, Ed moved his family to Loveland, Ohio, where he was employed by Structural Dynamics Research Corporation (SDRC), a consulting and finite element software development company. After U.S. Steel purchased SDRC, Ed and three other employees of SDRC formed International Techne Group. Ed's primary responsibility with the new company was to manage all computing activities.

In 1987, Ed and his family returned to Rolla so that he could begin study toward a PhD in Engineering Management. While a PhD student, he worked as a research engineer in Civil Engineering, Engineering Management, and the Center for Technology Transfer and Economic Development. After receiving his PhD he worked for a time as a consultant in the Center for Technology Transfer and Economic Development before joining the Basic Engineering Department in 1996 as a Lecturer. The Basic Engineering Department subsequently became the Interdisciplinary Engineering Department, from which Ed retired in 2008. By this time the university he loved and had been so long associated with had become the Missouri University of Science and Technology.

Ed departed this life on February 13, 2012, at his home with his devoted wife of 52 years and his daughter Cheryl at his side. In addition to his wife, Armilda, Ed is survived by one sister, Margaret McCabe, of Davenport, Iowa, two daughters, Jacqueline Braden, of Cincinnati, Ohio, and Cheryl Raney of St. Peters, Missouri, two grandchildren, James and Jennifer Braden, and a great-granddaughter, Kaylee, plus numerous cousins, nieces and nephews.

Ed had two longstanding hobbies. One was square dance calling, which he began while in California and continued throughout his career and into retirement. The other was developing and improving Finite Element Analysis software, particularly with respect to nonlinear analysis. He also enjoyed breakfast at Hardee's, having lunch meetings with friends and colleagues at Steak & Shake, and dinners at Matt's Steakhouse. He will be sorely missed by all who knew him.

We request that a copy of this resolution be placed in the minutes of the May 1, 2012, faculty meeting and that copies be forwarded to his wife, his sister and his daughters.

Respectfully submitted,

Robert L. Davis
Chair Emeritus, Interdisciplinary Engineering

David R. (Ron) Fannin
Dean of Engineering Emeritus