

General Faculty Meeting Minutes

December 4, 2018

125 Butler-Carlton Hall, 3:00 P.M.

- I. Call-to-Order, Interim Chancellor Christopher G. Maples called the meeting of the General Faculty to order at 3:01 P.M.
- II. Interim Chancellor Maples recognized Professor Steve Raper for the presentation of a memorial resolution in honor of Madison McDonald "Mack" Daily Sr. It was moved that the memorial resolution be incorporated in the minutes of the faculty meeting with copies forwarded to family members. (See Attachment A).

Interim Chancellor Maples recognized Professor Steve Watkins for the presentation of a memorial resolution in honor of George McPherson Jr. It was moved that the memorial resolution be incorporated in the minutes of the faculty meeting with copies forwarded to family members. (See Attachment B).
- III. Interim Chancellor Maples called for approval of the minutes of the September 4, 2018 meeting. The minutes were approved as circulated.
- IV. There was no unfinished business to discuss.
- V. There were no reports of standing or special committees
- VI. New Business

A. Recognition of Outstanding Teaching Awards

Dr. Robert J. Marley announced the Outstanding Teaching Awards for 2017-2018.

Irina Ivilyeva	Associate Professor	Arts, Languages, and Philosophy
Terry Robertson	Associate Teaching Professor	Arts, Languages, and Philosophy
Courtney Webster	Lecturer	Arts, Languages, and Philosophy
Bih-Ru Lea	Associate Professor	Business and Information Technology
Yu Liu	Assistant Professor	Business and Information Technology
Fiona Fui-Hoon Nah	Professor	Business and Information Technology
Christi Luks	Associate Teaching Professor	Chemical and Biochemical Engineering
Dimitri Feys	Assistant Professor	Civil, Architectural and Environmental Engineering
Jennifer Leopold	Associate Professor	Computer Science
Angel Ricardo Morales	Assistant Teaching Professor	Computer Science
Daniel Tauritz	Associate Professor	Computer Science
Kelvin Erickson	Professor	Electrical and Computer Engineering
Jonathan Kimball	Professor	Electrical and Computer Engineering
Jagannathan Sarangapani	Professor	Electrical and Computer Engineering
Ronald Joe Stanley	Professor	Electrical and Computer Engineering
Theresa Swift	Associate Teaching Professor	Electrical and Computer Engineering
Elizabeth Cudney	Associate Professor	Engineering Management and Systems Engineering
Stephen Gao	Professor	Geosciences, Geological and Petroleum Engineering
Kelly Liu	Professor	Geosciences, Geological and Petroleum Engineering
David J. Rogers.	Professor	Geosciences, Geological and Petroleum Engineering
Wan Yang	Associate Professor	Geosciences, Geological and Petroleum Engineering
John McManus	Curators' Distinguished Professor	History and Political Science
Michael Meagher	Associate Professor	History and Political Science
Michael Moats	Associate Professor	Materials Science and Engineering
Jeffrey Smith	Professor	Materials Science and Engineering
Gayla Olbricht	Associate Professor	Mathematics and Statistics
John Singler	Associate Professor	Mathematics and Statistics
Henry Pernicka	Professor	Mechanical and Aerospace Engineering
Ayodeji Alajo	Associate Professor	Mining and Nuclear Engineering
Gary Mueller	Associate Professor	Mining and Nuclear Engineering
J. Greg Story	Associate Professor	Physics

Amber Henslee	Associate Professor	Psychological Science
Merilee Krueger	Associate Teaching Professor	Psychological Science
Michelle Schwartze	Associate Teaching Professor	Teacher Education and Certification

B. Approval of Candidates for Degrees

Motion was made that the names on the previously circulated list of candidates for degrees on December 15, 2018, be approved, subject to successful completion of any remaining degree requirements. The motion was approved.

C. Approval of Posthumous Degrees

A motion was made to grant posthumous degrees for Hugh Anthony O'Connor. The motion was approved.

D. Chancellor's Report

Interim Chancellor Maples discussed our participation in the APLU'S Powered By Publics Scaling Student Success project. This is a national effort organized by the APLU with a goal of closing the achievement gap and awarding hundreds of thousands more degrees by 2025 without sacrificing quality. There are 130 institutions participating and each are within a cluster that best represents their school. Missouri S&T is the Technical cluster with schools such as Michigan Technological University, New Jersey Institute of Technology and University of Alabama in Huntsville. University of Missouri is the Eastern cluster and University of Missouri – Kansas City is the Metropolitan cluster. University of Missouri – Saint Louis is not participating.

Upcoming Events include the December 4, 2018 Faculty Awards Ceremony and the December 5, 2018 Chancellor's Holiday Brunch from 9-noon at Hasselmann Alumni House and finally December 15, 2018 is Commencement. Interim Chancellor Maples encourages all faculty to attend Commencement.

The floor was opened for questions and none were asked.

E. Faculty Senate President's Report

Steven Corns presented on behalf of Michael Bruening as he was away another meeting.

Recent Faculty Senate actions include:

NTT Promotion Procedures – Added deans, increased NTT representation on campus committee and reduced number of appeals. Wanted to express thanks to the Personnel Committee.

Graduate Student Tuition Waivers/Policy II-26 Committee Created – are determining best ways to fund graduate assistant tuition. Committee members include Richard Dawes, Mariesa Crow, Rainer Glaser, Greg Hilmas, Kamal Khayat, Angela Lueking

Certificate Approval Process being developed – Campus Curriculum Committee to propose process for Graduate and Undergraduate Certificates

Bylaws Revision – As Chair of the committee, Tom Schuman has broken down the existing bylaws into sections for review and revision by committee members

Department Creation and Realignment – Drafts have been reviewed by the Provost's Office and final adjustments are being made. A question was asked if there are specific departments being discussed, and at this time Faculty Senate is not aware of any changes to departments. This policy was a created partly due by the creation of the Education and Teacher Certification department.

Potential Fall Break before Thanksgiving – this is still being reviewed by faculty senate

Administrative Review – Provost and Deans will be reviewed this year.

Intercampus Faculty Council (IFC)

Mid-Career Faculty Task Force – Are working to find better ways to serve and evaluate mid-career faculty, especially associate professors. Dave Westenber and Larry Gragg are the Missouri S&T campus representatives.

New Retirement Plan proposed for New Employees – This new policy will not affect current employees. New proposal will move to an entirely "defined contribution" plan where employees are vested after three years with an 8% university match. More information can be found at

https://www.umssystem.edu/ums/hr/proposed_new_retirement_plan_for_future_employees

If you have any questions or concerns, please send feedback to Michael Bruening by January 15, 2019.

Chancellor Search – Applications closed on November 30. This is a closed search but hearing that the pool of candidates is quite good. The search committee will be meeting on December 4 to discuss the applicants with a timeline of having Airport interviews before Christmas with campus visits late January 2019.

- VII. Announcements – Dr. Dave Westenberg encouraged all to attend his presentation at Kaleidoscope on Thursday, December 13 at 6:30pm where he will be discussing Genome Editing.
- VIII. Adjournment – The meeting was adjourned at 3:33 pm.

Attachment A

Memorial Resolution Madison McDonald "Mack" Daily Sr.

Professor Emeritus of Engineering Management

Dr. Madison McDonald "Mack" Daily Sr., of Rolla, passed away Sunday, July 22, 2018 at the age of 86.

Mack was born February 16, 1932 in Oklahoma City, Oklahoma. On July 25, 1954 he married Mary Matilda Emde and they were later blessed with four children.

Mack graduated from the Naval Academy in 1954. Because the Air Force was still a new branch, service academies were asked for volunteers to become officers in it, and he became an officer in the USAF. Mack's career in the USAF included service in Scott AFB, IL; March AFB, CA, Wright Patterson AFB, OH, Patrick AFB, FL; Los Angeles Air Station and Andrew AFB where he worked both at the base and the Pentagon. Declining offers to be a general officer, he retired from the USAF in 1979 as a full Colonel and, subsequently spent two years with Hughes Aircraft in California. During his service in the Air Force Mack pursued graduate studies and earned a MS degree in Ordnance Engineering from the Air Force Institute of Technology and another MS Degree in Aeronautical Engineering from UCLA. He was involved in the US satellite program launch operations and helped set up satellite stations around the globe. In addition, he was also present for early trials of the space shuttle in Nevada. So if you are today using the navigation system in your car, be sure to remember Mack with gratitude!

His love of learning and Midwestern roots brought him back to Rolla where he had previously served as Head of the AFROTC at the University of Missouri- Rolla. In August 1981, he enrolled in the PhD program in Engineering Management. As a graduate assistant he taught courses in Mathematics, Aerospace Engineering and Engineering Management departments where he immediately distinguished himself as a gifted teacher and mentor to students. One former student recalls that he was a good teacher but also a demanding one. He warned the students that "rattling his chain might bring out the old Colonel in him". Mack received his PhD in Engineering Management in 1984 as the first student to do so and joined the faculty as an Assistant Professor. He was a great teacher and mentor to young faculty and students. He believed in a student centered education process where the faculty member was there to help students learn and grow to their maximum potential. An innovative and very creative teacher, he was a leader in using technology in classes and new methods of teaching. He was a true pioneer in distance education and was the first teacher offering UMR's distance education classes taught on campus and simultaneously offered at other locations worldwide. He rapidly went through the ranks and achieved the full Professor title in Engineering Management. Mack retired from UMR in 2000 as a Professor Emeritus. During retirement he was involved in the Rolla Rotary Club and

activities , served as an election official and also as an usher at the United Methodist Church. A tireless worker, Mack was involved in many community service duties and projects continuing a life well lived.

He will be greatly missed by his colleagues and many former students, friends, and family, which include his wife of sixty four years Mary Daily of Rolla, four children: Karen Clifford, Kristy Defenbaugh , Mac Daily Jr., and Bonnie Daily; four grandchildren and one great grandchild.

We request that this memorial resolution be incorporated into the official minutes of the Missouri S&T General Faculty Meeting of December 4, 2018 and that the copies be sent to his wife and children.

Respectfully submitted,
Stephen Raper

Memorial Resolution

George E. McPherson, Jr.

George E. McPherson, Jr. was born on July 16, 1921 in Westfield, New York, the son of George E. McPherson, Sr. and Elizabeth (Justice) McPherson. His parents were Ohio natives and returned to Ohio. He grew up and received his early education in Ohio. He earned a bachelor's degree in Electrical Engineering from Ohio State University in 1943 and went to work at the U.S. Naval Research Laboratory, Washington, D.C. Near the end of World War II he was drafted into the Navy and served as a Chief Specialist. After the war he earned a bachelor's degree in education in 1948 and then a master's degree in electrical engineering in 1949, both from Ohio State University. While a graduate student, he worked as an instructor at Ohio State University.

After a year of teaching science and mathematics at Ada High School in Ohio, McPherson worked for Battelle Memorial Institute in Columbus, Ohio doing research in vibratory oil well drilling techniques. In 1954, he began a career in engineering education as an assistant professor of electrical engineering at the University of Kentucky. He came to Missouri S&T (then the Missouri School of Mines and Metallurgy) in 1956 as an associate professor of electrical engineering. He was promoted to full professor in 1969 and retired as Professor Emeritus in 1985. He did much to establish the power engineering program and facilities at Rolla.

McPherson had a great influence on many students. In his home, he proudly displayed a poem entitled "UMR Professor McPherson" from a former student, Paul Brumett.

This wonderful man was a UMR professor/
At the University of Missouri here at Rolla For
quite some time. / I am so very proud to call him/
A good friend of mine.

He is one top-rated person each and every day, /
One great teacher.

He did so much enjoy teaching his students/
The engineering knowledge this he did share. I do
respect him, / He is one fine person /
One could ever meet.

He is like a brother to me and I do think that. He
is real neat also / Think the world of him. Do you
see him standing tall all the way.

He's still that man, still yet today.

There to lend me a caring hand/ For he is my dearest friend.

I do not know what I would have done,/ If it were not for him.

He loves to work with wood,/ Making all kinds of different things/
In his workshop down in his basement. Now
don't forget the swings.

Professor McPherson is his name.

This poem that I have written is so very true. He is
like a brother, truly I do love him too.

McPherson received a U.S. patent and authored a textbook *An Introduction to Electrical Machines and Transformers* (First Edition, New York, Wiley 1981 and Second Edition with coauthor Robert D. Laramore, New York, Wiley 1990). He authored eighteen other technical papers. He received many honors for his technical, educational, and service contributions. These honors include recognition with the Thomas Jefferson Award from the University of Missouri System in 1984, election to the Missouri S&T ECE Academy in 1997, induction into the Small Motor and Motion Hall of Fame (SMMA) in 1989, the "Yes, I Can" Award of the Rolla Chapter of NAACP in 1999, and the St. Louis IEEE Section Education Award in 1978. He was a member of IEEE (Fellow 1986), Sigma Xi, Missouri Academy of Science, NAACP, Phelps County Historical Society, and the Pickaway County, Ohio Historical Society.

One of us (Erickson) was a student in his electric machines class in the 1970's. McPherson was using a typewritten draft of his textbook for the class. He went to great lengths to explain the operation of an induction motor, using a hand-built model of the rotor and shaft with lamps to animate the current flow of the coils as the rotor turned. It was sophisticated for its time, well before the computer-generated animations we have now. Two technical reports on the design of a motor for an elevator were also required in his class. For someone who could not type, it was a daunting task, but it was good preparation for our careers.

George McPherson, Jr. was known for generosity and contributions to the community. He was a frequent host for gatherings of international students. Upon his death, he donated many of his treasured tools to the Student Project Laboratory of the ECE Department. Also, he was a devout member of the Religious Society of Friends (Quaker). He passed away on December 18, 2017 in Rolla, Missouri. He was preceded in death by his parents and his sister, Constance Elizabeth McPherson.

We request that this memorial resolution be incorporated into the official minutes of the Missouri S&T General Faculty Meeting of December 4, 2018 and that copies be sent to his family and his archive at the State Historical Society of Missouri (File: RI 304).

Steve E. Watkins

Kelvin Erickson