General Faculty Meeting Minutes
September 8, 2015

125 Butler-Carlton Hall, 4:00 P.M.

I. Call-to-Order, Steven Grant called the meeting of the General Faculty to order at 4:01 P.M.. Steven Grant announced that Chancellor Schrader could not attend today due to a Board of Curators Retreat.

II. Steven Grant recognized Professor Roger LaBoube for the presentation of a memorial resolution in honor of Charles Dare. It was moved that the memorial resolution be incorporated in the minutes of the general faculty meeting with copies forwarded to family members. (See Attachment A).

Steven Grant recognized Professor Jerry Bayless for the presentation of a memorial resolution in honor of Paul Munger. It was moved that the memorial resolution be incorporated in the minutes of the general faculty meeting with copies forwarded to family members. (See Attachment A).

Steven Grant recognized Professor Steve Clark for the presentation of a memorial resolution in honor of Lyle Pursell. It was moved that the memorial resolution be incorporated in the minutes of the general faculty meeting with copies forwarded to family members. (See Attachment A).

Steven Grant recognized Professor Rich Stephenson for the presentation of a memorial resolution in honor of J. Kent Roberts. It was moved that the memorial resolution be incorporated in the minutes of the general faculty meeting with copies forwarded to family members. (See Attachment A).

III. Steven Grant called for approval of the minutes of the May 5, 2015 meeting. The minutes were approved as circulated.

IV. There was no unfinished business to discuss.

V. Steven Grant introduced the Officers of the General Faculty

Chancellor Cheryl B. Schrader
President of Faculty Senate Steven Grant
Secretary Deanne Jackson
Parliamentarian Michael Bruening

VI. No Reports of Standing and Special Committees

VII. Introduction of New Faculty

Steven Grant called on Special Assistant to the Provost Melanie Mormile to introduce each department chair so they could introduce their new faculty.

Dr. Lance Haynes introduced
David Cress, Assistant Teaching Professor, Arts, Languages and Philosophy

Dr. Phillip Whitefield introduced
Vadym Mochalin, Associate Professor, Chemistry

Dr. Doug Carroll was introduced by Dr. Ian Ferguson as the new acting chair of Civil, Architectural and Environmental Engineering

Dr. Doug Carroll introduced
Nicholas Ali Libre, Assistant Teaching Professor, Civil, Arch and Env. Engineering
Hongyan Ma, Assistant Professor, Civil, Arch and Env. Engineering

Dr. Daryl Beetner introduced
Jie Huang, Assistant Professor, Electrical and Computing Engineering

Dr. Swenson introduced
Jossalyn Larson, Assistant Teaching Professor, English and Technical Communication
Elizabeth Roberson, Assistant Teaching Professor, English and Technical Communication
Rachel Schneider, Assistant Teaching Professor, English and Technical Communication

Dr. Suzanna Long introduced
Sheryl Hodges, Assistant Teaching Professor, Engineering Management and Systems Engineering
Zeyi Sun, Assistant Professor, Engineering Management and Systems Engineering

Dr. Francisca Oboh-Ikuenobe introduced
James Bunch, Lecturer, Geosciences and Geological and Petroleum Engineering
Joe Guggenberger, Assistant Professor, Geosciences and Geological and Petroleum Engineering
Katherine Grote, Associate Professor, Geosciences and Geological and Petroleum Engineering
Paymen Heidari, Assistant Professor, Geosciences and Geological and Petroleum Engineering
Evgeniy Torgashov, Assistant Research Professor, Geosciences and Geological and Petroleum Engineering
Lizhu Wang, Assistant Teaching Professor, Geosciences and Geological and Petroleum Engineering

Dr. Richard Brow introduced
Jen-Hsien Hsu, Assistant Research Professor, Materials Research Center

Dr. Wayne Huebner introduced
Mingzhi Xu, Assistant Research Professor, Materials Research Center

Dr. Wayne Huebner introduced
Aditya Kumar, Assistant Professor, Materials Science and Engineering

Dr. Stephen Clark introduced
Henry Baily, Assistant Teaching Professor, Mathematics and Statistics

Dr. Jim Drallmeier introduced
Lianyi Chen, Assistant Professor, Mechanical and Aerospace Engineering
Jillian Schmidt, Assistant Teaching Professor, Mechanical and Aerospace Engineering
Warner Meeks, Assistant Teaching Professor, Mechanical and Aerospace Engineering
Charles Wojnar, Assistant Professor, Mechanical and Aerospace Engineering

Dr. Ralph Flori introduced
Joseph Graham, Assistant Professor, Mining and Nuclear Engineering
Catherine Johnson, Assistant Professor, Mining and Nuclear Engineering

Dr. Dan Waddill introduced
A. Chernatynskiy, Assistant Professor, Physics
Daniel Fischer, Assistant Professor, Physics

Dr. Susan Murray introduced
Jessica Cundiff, Assistant Professor, Psychological Science

Dr. Greg Gelles introduced
Radu Puslenghea, Instructor, Economics

VIII. New Business

A. Chancellor's Report

Steven Grant presented on behalf of Chancellor Schrader. Changes are still needed to the faculty bylaws and there will be an open forum to discuss those changes on Thursday, October 29, 2015 at 3pm in the Meramec Gasconade room. All faculty members are encouraged to attend.

We have record breaking enrollment this fall semester in many areas. There has been a 92% increase in enrollment since 2000 and are expecting a total enrollment around 8,900. We have the highest first-time college student enrolled of 1490 on opening day, since the record was set in 1981. The total student body represents 50 states and 60 countries. Our average ACT score is 28.1 which is the upper 10% of the nation, average high school GPA of 3.86 and 20% of first-time students are first-generation students. And finally our students were surveyed and we found many choose Missouri S&T for our academic reputation followed by the quality and types of degrees and programs. While our

enrollment continues to grow so does our diversity. This fall we will have a 7% increase in Hispanic students, 17% in Asian-Americans, 14% in multi-race ethnicity and a 5% increase in female enrollment.

Missouri S&T continues to excel in our pre-college programs and noted that 33% of current students have participated in at least one Project Lead the Way (PLTW) course while in high school. Missouri S&T is the state affiliate for the PLTW program training nearly 1,800 teachers since 2006. 19% of students enrolled participated in one of 16 academic summer campus prior to attending S&T. 12% have been involved in VEX Robotics and 15% participated in FIRST Robotics.

There will be more physical changes to the campus this coming year, including renovations to Schrenk Hall of $18.1 million to consolidate teaching and research functions. A new residential complex is currently under construction and a new building will be going up at the Experimental Mine as part of the 50/50 public/private partnership. And finally there will be new dining options on campus at various locations including the library and outside Schrenk.

Faculty First Friday's have resumed. These are casual brown-bag lunches designed to give opportunity for collaboration and discussion of faculty and administration. These lunches are held at noon on the first Friday of each month at the Hasselmann Alumni House in the Kinyon-Koeppel room.

Chancellor Schrader has invited everyone to attend the State of the University address on September 23, 2015 at noon in Leach Theatre. Topics includes news on strategic funding, recognition of new faculty and a celebration of our success.

Following the Chancellor report, Steve Grant asked if there were any questions. The following questions were submitted.

Bill Fahrenholtz asked about the strategic funding and whether there was any information to share prior to the State of University address.

Matt O'Keefe asked a question about the new policy 226 which is graduate student stipends and whether there was discussion with faculty or faculty input prior to passing the new policy.

Mark Fitch asked what the growth in faculty has been and whether that has increased at the same level as student enrollment.

Joel Burken asked about the Strategic initiative of 2.1, Best in Class and Strategic hires. The question was asked as to what we are currently doing to retain our current faculty in addition to the new hires.

Barbara Hale asked for someone from the faculty side to be present at the Budget Affairs meetings to represent the faculty interest. It was asked for Faculty Senate take up several of these issues for this next 2015-2016 years.

Richard Brow wanted to know the state of our salaries?

B. Faculty Senate Report

Steve Grant discussed the recent bylaw vote that did not pass. He mentioned there needed to be a 2/3 vote, or 73 votes and we received 46 no and 63 yes.

The promotion and tenure process will be electronic this year so there will be no more binders of information that need to be collected and shared.

Finally there was a change to the Student Academic Regulations for the 15-16 year to reflect the recently passed change in the grade appeals process.

IX. Announcements – None

X. Adjournment – The meeting was adjourned at 5:08 pm.

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Deanne Jackson, Secretary

Attachment A

MEMORIAL RESOLUTION

CHARLES E. DARE

PROFESSOR EMERITUS OF CIVIL ENGINEERING

Charles E. Dare died Monday, October 27, 2014 at the age of 76. He was a member of the Missouri S & T faculty from 1977 until his retirement as a full professor in 1997. Charles was born on June 3, 1938 in Peoria, Illinois to Edwin and June (Loveless) Dare. Charles attended University High School in Iowa City and earned bachelor's degrees in mechanical engineering and general science and MS and PhD degree in industrial engineering from the University of Iowa. He married Margery Ann Wade on November 14, 1959 and they had one son, Robert Ernest. On September 2, 1967 Charles and Jane Ann Hugen were married and they had one daughter, Elizabeth Jane.

Charles' early career included positions in Colorado, Iowa and Illinois with Collins Radio, the Illinois Environmental Protection Agency, the University of Colorado and Iowa State University. In 1977 he joined the civil engineering faculty at the University of Missouri-Rolla, which is now Missouri University of Science and Technology, as assistant professor. Charles taught undergraduate and graduate courses in transportation and traffic engineering and engineering economy and served as academic advisor to countless students. His scholarly activities included refereed journal publications, technical publications and research sponsored by the National Science Foundation, the United States Department of Transportation, the Missouri Department of Transportation, the Meramec Regional Planning Commission and the City of Rolla. He was subsequently promoted to associate professor and professor and awarded professor emeritus status when he retired in 1997. Other activities include serving as freshman engineering advisor and establishing the Civil Engineering Department Undergraduate Student Advising Center, the first of its kind on this campus.

Charles was a registered professional engineer in Illinois and was active in several professional societies including the Institute of Traffic Engineers which he served as faculty advisor for the UMR student chapter, the Transportation Research Board, the American Society of Civil Engineers, the American Society for Engineering Education and Sigma Xi. Honors and awards received by Dr. Dare were the Miner Alumni Association Outstanding Faculty Advisor Award in 1990 and 1995, the Missouri S & T Academy of Civil Engineers Faculty Achievement Award, Chi Epsilon Chapter Honor Member and the Institute of Transportation Engineers Outstanding Publications Award. After retirement Charles served more than two years as Assistant Division Engineer, Traffic Division for the Missouri Department of Transportation in Jefferson City. He also came out of retirement to teach Economy of Engineering Design for the Civil Engineering Department at a time when there was an urgent need.

After retirement Charles took great delight in working with Selden Trimble to teach chess to students in local chess clubs, and visiting friends at local businesses. He did a great deal of genealogical research and even discovered that a local friend, the late John Brewer was a distant cousin. Charles was a member of the First United Methodist Church of Rolla.

It is requested that this memorial resolution be incorporated into the official minutes of the Missouri University of Science and Technology General Faculty meeting of September 8, 2015 and that copies be sent to Charles widow, Jane and son Robert and daughter Beth.

Respectfully submitted,

Jerry Bayless

Roger LaBoube

Richard Stephenson

MEMORIAL RESOLUTION

PAUL R. MUNGER

PROFESSOR EMERITUS OF CIVIL ENGINEERING

Paul R. Munger died April 19, 2014 at the age of 82. Dr. Munger was a member of the Missouri S & T faculty from 1958 until his retirement in 2000. He was professor emeritus of civil engineering and director of Business Development for Morris and Munger Engineers, a division of Benton and Associates, Inc. at the time of his passing.

Paul was born January 14, 1932 in Hannibal, Missouri to Paul O. and Anne L. (Williams) Munger. He was married to Frieda Anna Mette on November 26, 1954. Paul and Frieda were the parents of four children; Amelia, Paul D. and twins Martha and Mark. Paul served in the United States Army and attended Hannibal Lagrange College and the Missouri School of Mines receiving his BSCE in 1958 and MSCE in 1961. Paul received his Ph D degree from the University of Arkansas in 1972. He served as a faculty member at Missouri S&T for 41 years, starting as an instructor, then moving through academic positions to professor and also served as interim chair of Civil, Architectural and Environmental Engineering. He served on several departmental and campus committees and was a member of the Academy of Civil Engineers. He served for many years as director of the Institute of River Studies, in which he developed an expertise on the environmental and economic impact of water problems related to the Mississippi River and the surrounding area.

Paul was known nationally for his efforts to promote ethical behavior in the practice of engineering. He was serving as chair of the Missouri Board for Architects, Professional Engineers and Land Surveyors during the investigation into the 1981 collapse of the Hyatt Regency Skywalks in Kansas City, Missouri, one of the deadliest structural failures in U. S. history. He led the licensing board's disciplinary action following the tragedy. His work to change registration procedures following the collapse led to his receiving the Outstanding Service Award from the Missouri Society of Professional Engineers and the Distinguished Service Award from the National Council for Examiners of Engineering and Surveying. His other many awards include the Distinguished Service and Distinguished Member Awards from the National Society of Professional Engineers, the President's Award and the 2011 Edmund Friedman Professional Recognition from the American Society of Civil Engineers and the Presidential Award from MSPE. Munger was active in ASCE at the local and national levels and was a Fellow of both ASCE and NSPE. He also was inducted into the MSPE Hall of Fame.

Paul's national leadership roles included serving as national president of Chi Epsilon, the civil engineering honor society, president of NCEES, president of the National Institute of Engineering Ethics and charter president of the Council of Engineering Specialty Boards.

Paul was a devoted teacher and mentor and cared deeply about his faith and above all else his family. He was proud of his children Amelia, Paul, Martha and Mark and his late wife Frieda. He was a long time member of Immanuel Lutheran Church in Rolla and served on the Board of Elders for many years and

most recently as Chairman of the Congregation. Just a few days before his passing he was preparing to make a presentation on engineering ethics to a civil engineering class.

It is requested that this memorial resolution be incorporated into the official minutes of the Missouri University of Science and Technology General Faculty meeting of September 8, 2015 and that copies be sent to Dr. Munger's children Amelia, Paul, Martha and Mark.

Respectively submitted,

Jerry Bayless

Roger LaBoube

Richard Stephenson

Memorial Resolution

Lyle Eugene Pursell

Lyle Eugene Pursell, a child of John Van Patten Pursell and Hazel Mae (Foster) Pursell, was born April 23, 1926 in Paola, Kansas. He attended a one-room schoolhouse in Paola through the eighth grade, graduated from Paola High School in 1944, and went on to serve his country in the US Army Air Corp during WWII. Following his service, he entered Purdue University in 1946 and graduated in 1949 with a B.S. with Highest Distinction. He then entered Purdue's graduate school obtaining an M.S. in 1950, and a Ph.D. in mathematics in 1952. He was a student of Professor Merrill Shanks and wrote on algebraic structures on smooth manifolds.

Upon graduation, Lyle went on to hold a teaching position at the Ohio State University. After that, he moved in 1955 to Grinnell College in Grinnell, Iowa, where for the next twelve years he taught mathematics and served the college in a number of roles including that of mathematics and statistics department chair. Though the department offered only an undergraduate degree, it encouraged then, as it does now, a research-active faculty. While carrying a heavy teaching load, Lyle continued with his research on rings of continuous functions and published his results. His desire to be in a department with a graduate degree program led to his joining the faculty of the University of Missouri-Rolla Mathematics and Statistics Department in 1967 as an Associate Professor. He was promoted to Professor with tenure the following year and continued as a valued member of the Department until his retirement in 1988 as Professor Emeritus.

During his years as a member of the UMR faculty, Lyle pursued his mathematical muse by finishing one Ph.D. student, Dr. Paul Harms, and publishing in journals such as the Proceedings of the American Mathematical Society, the Pacific Journal of Mathematics, and the American Mathematical Monthly. He was a successful teacher. He was active with broad interests in university affairs, serving regularly on the Academic Council and campus planning committees, as well as on department committees where his contributions were noted and welcomed. He was, as his former chair at Grinnell, Professor E.R. Mullins, described him in his recommendation letter, "a serious, dedicated student of mathematics", a "first rate department member with a sincere interest in the department and the institution", a member that was "pleasant, cooperative, reliable, and willing to accept duties and responsibilities."

Lyle was appreciated for being quiet yet strong, low-key, and very often humorous, humor that often had "a point." It is not surprising that he was a frequent contributor of letters-to-the-editor to the Saint Louis Post Dispatch and to the Rolla Daily News. He often gave voice to the experience and views of his friend, "Jack Ash." In retirement, he was for many years a member and active participant in the department coffee klatch, a gathering of the "usual unusuals" as his wife of nearly 65 years, Charlotte, has described it.

Lyle Pursell married Charlotte Jane Hutchinson on September 2, 1950 and together they raised four children: John, David, Rebecca, and Mary. Lyle was an active member of the First United Methodist

Church of Rolla, the Kiwanis Club and, reflecting his deep love of nature, was co-founder of the of the Ozark Rivers Audubon Society. He was widely read, possessing a library of several thousand books nearly all of which he apparently read.

Lyle Pursell passed away on June 6, 2015 in Rolla, MO. His parents, two sisters and two brothers preceded him in death. He is survived by his wife Charlotte, by his son John Pursell of Altoona, Iowa, by son David Pursell and wife Cori of Leawood, Kansas, by his daughter Rebecca Walker and husband Don of Mt. Vernon, Missouri, and by daughter Mary Schubert and husband Lonnie of Oklahoma City, Oklahoma, as well as by 15 grandchildren and 10 great-grandchildren. His was a full life well lived.

We request that this memorial resolution be incorporated into the official minutes of the Missouri S&T General Faculty Meeting of September 8, 2015, and that copies be sent to Dr. Pursell's wife Charlotte, his sons, John and David, and his daughters, Rebecca and Mary.

Respectfully submitted,

Stephen Clark

Leon Hall

V. A. Samaranayake

MEMORIAL RESOLUTION

J. KENT ROBERTS

PROFESSOR EMERTITUS OF CIVIL ENGINEERING

J. Kent Roberts died November 7, 2014 at the age of 92. He was a member of the Missouri S & T faculty from 1947 until his retirement as professor of civil engineering in 1985. Kent was born on January 15, 1922 in Ryan, Oklahoma to Jasper and Fern Roberts. He grew up in Comanche, Oklahoma and graduated from Comanche High School. He attended the University of Oklahoma before entering the U. S. Army in 1943 and graduated after World War II. During the war he served in Battery C of the 220th Field Artillery Battalion of the 44th Infantry Division. His combat experience was in France, Germany and Austria. Kent and Winona Clark were married on December 3, 1943 in Olustee, Oklahoma and they became the parents of two sons, Patrick Kent and Michael Clark.

J. Kent (as he was known to most) and Winona moved to Rolla in 1947 after he received his BSCE from the University of Oklahoma. Kent accepted a position as instructor in civil engineering at the Missouri School of Mines (now Missouri S&T). While teaching full time, which in those days was 12 credit hours per semester, Kent worked on his Master's Degree in Civil Engineering, which he received in 1950. He taught a wide variety of courses and specialized in the sanitary engineering area, which is now called environmental engineering. Ken t was a strong advocate of effective teaching and as a result he was selected to attend the first Effective Teaching Institute sponsored by the Ford Foundation at Pennsylvania State University in 1960. He developed a similar program on effective teaching at MSM as a result of that experience. Kent advanced through the academic ranks to full professor and became the first Assistant Dean of the School of Engineering in 1964, serving in that position for 15 years. He retired from the University in 1985.

Kent was very active in professional organizations, attaining the membership grade of fellow in the American Society of Civil Engineers. He was president of the Missouri Society of Professional Engineers in 1965-66. He served on several committees in the National Society of Professional Engineers and was vice president for four years. In 1966 the governor appointed Kent to the Missouri State Board for Architects, Professional Engineers and Land Surveyors and he served eight years. Kent joined the Rolla Rotary Club in 1961 and remained active until his passing, serving as president in 1971-72. He was the governor of District 609 of Rotary International in 1977-78. Kent was a life-long Methodist and served the First United Methodist Church of Rolla in just about every lay capacity. In his later active years he was best known as the teacher of classes on Methodism and of several classes of the Bethel Bible Study series. He also served several terms on the Rolla Free Public Library Board and the Board of the Rolla Housing Authority.

It is requested that this memorial resolution be incorporated into the official minutes of the Missouri University of Science and Technology General Faculty meeting of September 8, 2015 and that copies be sent to Kent's widow, Winona, and his sons Patrick and Michael.

Respectfully submitted,

Jerry Bayless

Roger LaBoube

Richard Stephenson