

General Faculty Meeting Minutes

December 3, 2019

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

- I. Call-to-Order, Chancellor Mohammad Dehghani called the meeting of the General Faculty to order at 4:02 P.M.
- II. Chancellor Dehghani recognized Professor Joel Burken for the presentation of a memorial resolution in honor of Jerry R. Bayless. 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).

Chancellor Dehghani recognized Professor Rick Stephenson for the presentation of a memorial resolution in honor of Sotirios Gregory Grigoropoulos. 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).

Both memorial resolutions were passed unanimously.

- III. Chancellor Dehghani called for approval of the minutes of the September 3, 2019 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. Steven Roberts announced the Outstanding Teaching Awards for 2018-2019.

Darin Finke	Associate Teaching Professor	Arts, Languages, and Philosophy
Irina Ivilyeva	Professor	Arts, Languages, and Philosophy
Terry Robertson	Teaching Professor	Arts, Languages, and Philosophy
Max Tohline	Assistant Professor	Arts, Languages, and Philosophy
Courtney Webster	Lecturer	Arts, Languages, and Philosophy
Cassandra Elrod	Associate Professor	Business and Information Technology
Yu Liu	Assistant Professor	Business and Information Technology
Nuran Ercal	Professor	Chemistry
Lesley Sneed	Associate Professor	Civil, Architectural and Environmental Engineering
Jennifer Leopold	Associate Professor	Computer Science
Clayton Price	Associate Teaching Professor	Computer Science
Mariesa Crow	Professor	Electrical and Computer Engineering
Amardeep Kaur	Assistant Teaching 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
Sheryl Hodges	Associate Teaching Professor	Engineering Management and Systems Engineering
Eric Bryan	Associate Professor	English and Technical Communication
Sarah Hercula	Associate Professor	English and Technical Communication
Dan Reardon	Associate Professor	English and Technical Communication
Kelly Liu	Professor	Geosciences, Geological and Petroleum Engineering

David J. Rogers.	Professor	Geosciences, Geological and Petroleum Engineering
Andrew Behrendt	Assistant Teaching Professor	History and Political Science
Michael Bruening	Associate Professor	History and Political Science
Petra DeWitt	Assistant Professor	History and Political Science
Shannon Fogg	Professor	History and Political Science
Jeff Schramm	Associate Professor	History and Political Science
Greg Hilmas	Curators' Distinguished Professor	Materials Science and Engineering
Wayne Huebner	Professor	Materials Science and Engineering
Jeffrey Smith	Professor	Materials Science and Engineering
John Singler	Associate Professor	Mathematics and Statistics
Nishant Kumar	Associate Teaching Professor	Mechanical and Aerospace Engineering
Ayodeji Alajo	Associate Professor	Mining and Nuclear Engineering
Kwame Awuah-Offei	Associate Professor	Mining and Nuclear Engineering
Gary Mueller	Associate Professor	Mining and Nuclear Engineering
J. Greg Story	Associate Professor	Physics
Merilee Krueger	Associate Teaching Professor	Psychological Science

B. Approval of Candidates for Degrees

Motion was made that the names on the previously circulated list of candidates for degrees on December 14, 2019, be approved, subject to successful completion of any remaining degree requirements. The motion was approved.

C. Chancellor's Report

Chancellor Dehghani began his report with an appeal to faculty to become “parent” professors – that is, to look out for their students and treat their students as they would want their sons and daughters treated. Faculty are entrusted with parents’ beloved children. He noted the seriousness of mental health concerns for students, staff and faculty. The S&T community recently lost two students and one employee as a result of suicide. Chancellor Dehghani stated that the hardest part of our jobs is our moral obligation to support our students and their wellness. He stated that we need a reconnaissance system to find those who need help. He asked that as faculty members who speak in front of classes and see students daily, we take an active interest and be “parent” professors. If you notice a student is struggling academically, personally or emotionally, please report it through S&T Connect. A recent article from the APLU stated that the biggest group students seek help from is other students and the article stated that faculty need to be more positive with their comments and be careful with what they say. Statements such as “this is a weed-out class” are not helpful to students.

Chancellor Dehghani also asked that the faculty consider a policy change to allow for students with extreme circumstances to have the opportunity to drop or withdraw their courses. The university also purchased software from EdSights, which uses a chatbot to “take the temperature” of the first-time college students. This chatbot, named Joe Miner, has been used by freshmen this fall semester to help assess risk factors such as financial, academic, engagement and wellness issues. The UM System has purchased a wellness app named Sanvello, which is free to all faculty, staff and students. It helps users manage stress, anxiety, depression and it helps to build resiliency through periodic check-ins. Chancellor Dehghani asked that we all use the tools we have available, which include S&T Connect, Sanvello, and Ask.Listen.Refer. training, to name just a few.

Chancellor Dehghani said “the attendance and participation are anemic” and we need to encourage faculty to come to more meetings, including General Faculty, to learn about campus happenings.

The next topic was retention. Our highest risk of students dropping out of the university are first-generation students, undecided students, students living off-campus and conditional admits. Some numbers from enrollment management were presented, including application statistics on first-time college applicants, admits, accepted (with deposits) and transfer applicants. When compared to this time last year, the numbers show a 13.30% increase in first-time college applicants, a 14.40% increase in first-time college admits, a decrease of 10.30% in accepted (with deposits) and a 29.70% decrease in transfer applicants. Graduate student applications are up 38.5% from last year.

Faculty were asked to encourage their advisees to register for Spring 2020 semester if they haven't already. Currently, 794 undergraduates have not enrolled for Spring 2020.

He noted a 75% decline in international students seeking master's degrees. The Ph.D. population is stable but not growing. Our total international student population has dropped by over half in recent years. When talking with a small group of international students, the chancellor learned that some students feel overworked and underpaid, are charged university fees they did not anticipate and would not recommend Missouri S&T to their peers. Chancellor Dehghani asked that we work on how international students are treated so that we can improve their perception and experiences. He said that our TOEFL score requirement for admission is currently higher than MIT's requirement and we should consider looking at this policy.

Chancellor Dehghani mentioned that our current number of graduate applications is up but that we need to "seal the deal" and increase our yield. Of those students who are accepted to S&T and do not enroll at S&T, 70% attend Mizzou instead.

Dr. Tsatsoulis said there are currently 130 graduate applications for Spring 2020 that haven't been evaluated and 53 Ph.D. applications for Fall 2020. Of those 53 applications, 5 were admitted and 2 rejected, so we need to be better about making admission decisions quicker.

Dr. Tsatsoulis said we are doing great research and included highlights, including:

- battling brain injury \$5.1M in grants to help the U.S. Army fight traumatic brain injury (TBI)
- \$1.2M grant from Department of Transportation grant for research on reducing jet fuels carbon emissions
- \$2M NSF grant funding supercomputer research
- \$2.9M DOE grant for research on developing a way to charge electric cars in minutes

Dr. Tsatsoulis said that overall, we are having a great first quarter with research up 34% and we are writing good proposals, and encouraged faculty to read the next issue of the vice chancellor of research's newsletter.

Chancellor Dehghani mentioned some campus updates, including removal of the power plant chimneys before the end of this calendar year. Dr. Larry Gragg's new commemorative history book about Missouri S&T, *Forged in Gold: Missouri S&T's First 150 Years*, is available now for pre-order.

Upcoming events include:

- December 5 – Faculty Awards Banquet
- December 9 – Survey about improving the 2020 master plan
- December 14 – Commencement
- January 20 – Martin Luther King Jr. Day of Service
- January 21 – Start of the Spring 2020 semester
- February 25 – S&T Day at the Missouri State Capitol

D. Faculty Senate President's Report

Faculty Senate President Steven Corns stated that the senate agreed with all changes to CR&R 320.090. with the exception of section 320.090.A.4. This gives NTT faculty the opportunity to have emeritus status, however discussion of the section referring to administrators receiving emeritus status has been tabled.

The Faculty Senate has received several referrals including:

- Tenure Policy Committee received a referral on candidates applying for tenure multiple times and the number of rebuttals.
- Bylaw Revisions Committee has a rough draft that is being circulated within the committee.
- Academic Freedom & Standards Committee discussed some changes to add/drop dates.

Faculty Senate recent discussions include affordable textbooks/digital textbooks, changes to distance education programs and changes to IT which include discussion on moving to a web based email.

VII. Announcements – Chancellor Dehghani encouraged all to be giving this holiday season.

VIII. Adjournment – The meeting was adjourned at 5:13 pm.

MEMORIAL RESOLUTION
Jerry Roger Bayless

Jerry Roger Bayless was born October 23, 1937 near St. James Missouri, to his parents William and Fannie Bayless. Both parents were educators, and Jerry thought they met on the MSM campus in teacher educator summer program. Jerry grew up in Cuba Missouri, and was a good student and son, mowing yards to help make ends meet. Jerry's Father passed away when Jerry was 11, a very large impact on his life.

Jerry would tell of the story of going to school in Cuba and being told he should go to Rolla, as he was a good student. Jerry met with Dr. Aaron Miles, chair of Mechanical Engineering, on a recruiting visit at his high school and with the encouragement of his family, especially his cousin John Bayless (BSCE '57). Jerry headed down Route 66 and Jerry enrolled in 1955 as a freshmen at the Missouri School of Mines. As a freshman, Jerry was among the first 10 Co-Op students at MSM, working for the highway commission in the summers, and Jerry was partly drawn to Civil Engineering by this Co-Op opportunity. Jerry graduated with in 4 years with 156 credit hours and 5 hrs of graduate credit and join Chi Epsilon and Tau Beta Pi. Jerry was a solid student and well thought of by the faculty.

In his last semester, Jerry was invited by Civil Engineering Department Chairman Skip Carlton to join the faculty after graduation, and teach ½ time. Jerry instead accepted a position with Missouri Highway Department in the Bridge Design Office, citing the need to make a full salary and support his family. Between the time of accepting the offer and commencement, a full time position was opened in the Civil Department, but Jerry would not back out of his commitment to the Bridge Design Office. Jerry was an individual of his words and upheld the highest values. Chairman Carlton negotiated with the Highway Commission and they released Jerry from his commitment, but he worked the summer of 1959 in the Bridge Design Office.

Jerry joined the faculty of the Missouri School of Mines in the fall of 1959, as an assistant professor in the Department of Civil Engineering, then housed in Harris Hall. While teaching full time, Jerry also completed his Masters Degree in 1962, with his thesis titled: "Investigation of Flow Rates Through A Rockfill Dam With An Internal Spillway." Dr. Paul Munger was Jerry's MS advisor.

Jerry became a Professional Engineering in 1964, a title Jerry touted with great professional pride. Jerry continued to teach, and worked on numerous projects over the years, including U S Army Corps of Engineers as a structural engineer in the St. Louis District Office some summers and with a project Waterways Experimental Station in Vicksburg, Mississippi provided funding for a mapping project that included mapping portions of Fort Leonard Wood.

Jerry served in the UMR School of Engineering Dean's office starting in 1986 as Assistant Dean of Engineering for Undergraduate Affairs with Dean Bob Davis. Jerry continued to teach in the Civil Department and to serve in the Dean's office as assistant and later Associate Dean until 2005. Jerry met with all students placed on academic probation or referred for academic action. Jerry met with 80-100 students appeals each semester, and many of these students recanted a firm and fair response from their meeting with Jerry, giving credit for helping them continue to their degree.

Most of all Jerry loved his time while serving students. Over 8600 graduated from the Civil Department at MSM, UMR, S&T in the time Jerry was teaching, and Jerry covered 21 different course. Jerry was thrilled to do them all, and held high standards.

Jerry was a leader in profession of engineering while on the faculty. Jerry was a member of American Society of Civil Engineering for over 60 years, serving as section president in 1985-86 and was a Fellow and Life Member of ASCE.

Jerry was also a leader in the Missouri Society of Professional Engineers, serving MSPE section president and was named the Missouri State Young Engineer of the year in 1968. Jerry also proctoring the EIT or FE exam on many Saturdays over his career, and again was pleased to do so for his students and profession.

Jerry was perhaps most dedicated to Chi Epsilon, the Civil Engineering honors society. Staying for evening meetings to convey his professional dedication to students. Jerry Bayless served as Chapter Advisor for over 50 years. In that time, MSM, UMR, S&T hosted the national conclave 3 times, the most in the US. Jerry to date is

the only individual to receive the Arthur N. L. Chiu Award for Excellence as a Faculty Advisor nationally and the Harold T. Larson Award in 2017 for lifetime contribution to Chi Epsilon honors society. He was also a member of the Society of Sigma Xi and an honor member of Blue Key, Phi Eta Sigma and Phi Kappa Phi. Jerry was also giving of his time and talents as an alumni. He was active in the Miner Alumni Association, joining the Board of Directors in 1990 and was soon elected treasurer, an office he held until 2014. Jerry served as a member of the executive committee through this time. Jerry was inducted into the Academy of Civil Engineers in April, 1986 and was elected Secretary/Treasurer, a position he held until 2017. Jerry was a member of the Order of the Golden Shillelagh.

Jerry was always an avid supporter of the Miner Athletic program. He was a member of the Athletic Committee almost continuously since the mid-sixties, and he kept score at men's basketball home games for 30 years. He estimated attending over 1600 Miner athletics events. Jerry was always an active member of the Miner Booster Club since its inception in the mid-sixties. Jerry greatly enjoyed the contact with the athletics programs and his discussions with good friend and Coach Billy Key.

Jerry's dedication and commitment to campus and profession are acknowledged with unmatched recognitions, including: Alumni Association Alumni Merit Award, Chancellor Medal, Alumni of Influence inaugural class in 2011, Honorary Knight of St Pat and Marshall of the St. Pat's parade.

Jerry was very active in the Rolla community, more activities than we can account. Jerry was proud of being a founding member of the Optimist Club in 1964 and was very proud of 53 years of perfect attendance and Jerry wrote the history of the club on the occasion of its 50th anniversary in 2014. Jerry was involved in youth sports, particularly baseball and founded a number of Optimist programs as well. He was president of the Youth baseball program for over 15 years and Jerry was also active with the Rolla Parks Program, often coordinating the connection for the baseball and soccer programs and city parks. Jerry served on the Rolla Park Board for decades, and the dedication to youth sports and community was unmatched. Jerry always said one of his most cherished honors was to have Bayless Field in Ber Juan park named in his honor many years ago. Jerry was an avid sports fan and beloved the Cardinals most of all. Jerry could recant his first game in 1947, against the Phillies, a 7-6 win with a walk off hit by Stan Musial.

This resolution includes input of Dr. Larry Gragg, Curators Distinguished Teaching Professor of History and Chair of served 40 years with Jerry on the faculty. Larry wrote an updated history of campus and of our department as we approach the 150th anniversary of MSM, UMR, S&T in Rolla.

I quote Larry: "*So, where does this much appreciated, devoted faculty member fit in the pantheon of outstanding professors in the history of the institution. I take the responsibility that I have in fashioning a history of our campus seriously. ... I have sought to determine who among us best reflected the true strengths of an institution best known for its outstanding undergraduate programs. In the second half of the history of the institution, there is no doubt that the longest-serving, most dedicated, most beloved professor is our friend Jerry Bayless.*"

Jerry Roger Bayless was a student or faculty at MSM, UMR, S&T for over 61 years. August 21, 2017 was the first year that on the first day of classes in over 6 decades of classes at Missouri S&T when Jerry had not been a student professor, assistant dean, colleague, mentor and friend... the sun went dark, with the full eclipse of 2017.

Jerry Roger Bayless died on July 2nd, 2019. He was preceded in death by his wife of 51 years, Shirley Louise Hertel. Jerry is survived by his two children, Jennie Bayless of Rolla, here today, and son Dr. David Bayless of Athens Ohio, and Jerry has 2 grand children Michael and Laurel.

Respectfully Submitted


Joel G. Burken

MEMORIAL RESOLUTION
SOTIRIOS G. GRIGOROPOULOS

Dr. Sotirios Gregory Grigoropoulos was born March 24, 1933 in Athens, Greece. He was the son of Gregory S. and Koula G. Grigoropoulos. He received a Diploma in Chemical Engineering from the National Technical University Athens in 1955, a Master of Science in Chemical Engineering from Washington University (St. Louis) in 1958, and a Doctor of Science of Environmental and Sanitary Engineering from Washington University in 1960.

His career included positions as a chemical engineer with Sigma Chemical Company in St. Louis from 1956-1957 and as a research associate in civil engineering at Washington U. from 1958-1960. He was also employed during that time as a research engineer at Ryckman, Edgerly, Burbank & Associates in St. Louis and at Metcalf & Eddy Engineers in Boston. He came to Rolla as an associate professor in civil engineering in 1960. He was promoted to full professor in 1963 and held that position until 1979. He was listed as a faculty member until 1983. Moving back to Greece, he was chair and professor of environmental engineering at University Patras from 1979-1982, then became a professor of civil engineering from 1982-2000. He was named professor emeritus civil engineering in 2001.

Grigoropoulos was a Registered Professional Engineer in Missouri, a Licensed Chemical Engineer in Greece, and a Board Certified Environmental Engineer of the American Academy of Environmental Engineers. He was a Fellow and Life Member of the American Society of Civil Engineers and a Senior Emeritus of the American Institute of Chemical Engineers. Grigoropoulos was a Life Member of the Missouri Water and Sewerage Conference, the American Society of Engineering Education, the Water Environment Federation, the American Water Works Association, and Sigma Xi. He also was a member of Phi Kappa Phi, Tau Beta Pi, Chi Epsilon, and the Technology Chamber of Greece.

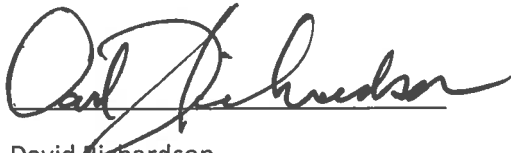
As head of the sanitary (environmental) engineering area within Civil Engineering, Grigoropoulos created and drove a well-developed program. Numerous graduate-level courses were available and complimented each other; all the major aspects of sanitary engineering were covered in some fashion. Being a chemical engineer, he was concerned enough about the typical civil engineering student's lack of understanding of organic chemistry that he taught an unofficial-yet-required course to try to stamp out the students' ignorance. Besides coursework, Grigoropoulos conducted a required seminar course, invited world-renowned engineers to present seminars, and provided numerous field trips to water and sewage treatment facilities throughout the state. His research focused on water pollution control and water purification. During his tenure at UMR (now Missouri S&T), he was both the Director of the Environmental Research Center and Director of the EPA professional training program.

When one thinks of Dr. Greg, as he was known, an image of the mustache, starched white shirt, black tie and trousers come into mind, along with respect and fear. Of all the faculty in the environmental program in the early '70s he was, without a doubt, the most theoretically rigorous and demanding. He expected students to come to class prepared; after all, he was always thoroughly prepared. He could be described as an intellectual authority. There was high intellectual excitement in the classroom. He was always excited about the material and conveyed that excitement to the students. He was the subject matter expert, the one students would most likely go to with a question, if they were brave

enough. Most of the time he got students to answer their own questions by asking a series of leading questions. On the surface he didn't seem to have a high level of rapport with his students, and he certainly displayed no humor in the classroom. But he did care for all the students in the program and was always looking out for their well-being and their futures. Upon reflection, years later, former students realized that Dr. Grigoropoulos was in reality quite fair and actually had the students' best interests at heart. He wanted them to be prepared.

Sotirios Gregory Grigoropoulos died on January 27, 2019. He was 85. Grigoropoulos is survived by his wife Marina, of Greece, and one son, Gregory.

Respectfully Submitted:

A handwritten signature in black ink, appearing to read "David Richardson", written over a horizontal line.

David Richardson

Norm Dennis