General Faculty Meeting Minutes
May 1, 2018

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

I. Call-to-Order, Interim Chancellor Christopher G. Maples called the meeting of the General Faculty to order at 4:02 P.M.

II. Interim Chancellor Christopher G. Maples recognized Professor Steve Raper for the presentation of a memorial resolution in honor of Henry “Si” Howard Sineath. 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 Christopher G. Maples recognized Professor G. Dan Waddill for the presentation of a memorial resolution in honor of Oran Pringle. 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 Christopher G. Maples called for approval of the minutes of the November 28, 2017 meeting. The minutes were approved as circulated.

IV. Unfinished Business – None

V. Reports of Standing and Special Committees - Elections were held for various committees. The results are as follows:

- **Public Occasions**
  - Sahra Sedigh Sarvestani (ECE)
  - Doug Ludlow (ChemE)
  - S.N. Balakrishnan (MAE)
  - Eun Soo Park (Econ)
  - Steve Corns (EMSE)
  - Jorge Porcel (ALP)

- **Student Awards & Financial Aids**
  - Jeff Thomas (CArE)
  - Clayton Price (CS)

- **Student Scholastic Appeals**
  - Christi Luks (Chem E)
  - Stephanie Fitch (Math)

- **University-Wide Tenure**
  - Doug Ludlow (ChemE)
  - Cihan Dagli (EMSE) (alternate)

VI. New Business

A. Approval of Candidates for Degrees

  Motion was made that the names on the previously circulated list of candidates for degrees on May 12, 2018 commencement be approved, subject to successful completion of any remaining degree requirements. The motion was approved.

B. Approval of Posthumous Degree

  Motion was made to grant a posthumous degree for Nichole Wescott. The motion was approved.
C. Mariesa Crow recognized the Faculty Patent Awards winners.
   Delbert E. Day
   Roger F. Brown
   Nicholas Leventis
   Chariklia Soritiou-Leventis
   Fatih Dogan
   Mohommad Tayeb Ghasr
   Maciej Zawadniok
   Jagannathan Sarangapani
   Donald C. Wunsch
   William Fahrenholtz
   Matthew O'Keefe
   Mehdi Ferdowsi
   Sutapa Barau

Mariesa Crow recognized the US Software Related Copyright Awards winners.
   Jun Fan
   Mikheil Tsiklauri
   Xin Liu
   Nicholas Libre
   Cihan Dagli

D. Robert Marley recognized the Campus Faculty Awards winners. Twenty-seven Missouri S&T faculty members were honored for excellence and achievements in research, service and teaching during an awards ceremony February 13, 2018. Each award winner received a monetary stipend funded by industry and alumni contributions.

Receiving the 2017 Excellence Award
   Mohamed El Gawady, Civil, Architectural and Environmental Engineering
   Jie Gao, Mechanical and Aerospace Engineering
   Julia Medvedeva, Physics
   Kathryn Northcut, English and Technical Communication

Receiving the 2017 Achievement Award
   Rohit Dua, Electrical and Computer Engineering
   F. Scott Miller, Materials Science and Engineering
   Terry Robertson, Arts, Languages, and Philosophy
   Katie Shannon, Biological Sciences

Receiving the 2017 Research Award
   Douglas Bristow, Mechanical and Aerospace Engineering
   Jun Fan, Electrical and Computer Engineering
   Stephan Gao, Geosciences and Geological and Petroleum Engineering
   Tseggai Isaac, History and Political Science
   Sanjay Madrai, Computer Science
   Manashi Nath, Chemistry
   Heng Pan, Mechanical and Aerospace Engineering
   Zhaozheng Yin, Computer Science
   Joseph Newkirk, Materials Science and Engineering

Receiving the 2017 Service Award
   Kristen Donnell, Electrical and Computer Engineering
   Dev. K. Niyogi, Biological Sciences
   Klaus Woelk, Chemistry
Receiving the 2017 Teaching Award
Elizabeth Cudney, Engineering Management and Systems Engineering
Ralph Flori, Geosciences and Geological and Petroleum Engineering
Ron Frank, Biological Sciences
Irina Iviyeva, Arts, Languages, and Philosophy
Jennifer Leopold, Computer Science
Henry Pernicka, Mechanical and Aerospace Engineering
R. Joe Stanley, Electrical and Computer Engineering
Klaus Woelk, Chemistry

E. Chancellor’s Report
Interim Chancellor Maples recognized recent faculty achievements such as:
Nicolas Libre who received the President’s Award for Innovative Teaching
Kathryn Northcut received S&T’s 2018 Woman of the Year
Sajal Das received Presidents Award for Sustained Career Excellence

Also recognized were Diana Ahmad, Joel Burken and Catherine Johnson who were selected to the University of Missouri System Presidential Engagement Fellows.

Recent Faculty Achievements also included:
Stephen Gao, 2018 Governors’ award for Excellence in Teaching
John McManus, Visiting Professor at U.S. Naval Academy
Dave Richardson, James M. Robbins Excellence in Teaching Award
William Schonberg, Fulbright Distinguished Chair in Advanced Science and Technology

Also recognized were those faculty who have served on various committees throughout the year. Realizing that committee work can sometimes be hard it is very much appreciated.

Missouri S&T Strategic Plan Committee
Braden Lusk – Co chair
Susan Murray – Co chair
Stuart Baur
Doug Bristow
Mariesa Crow
Richard Dawes
Kate Drowne

Future University of Missouri System Presidential Engagement Fellows.

Missouri S&T Strategic Plan Committee
Braden Lusk – Co chair
Susan Murray – Co chair
Stuart Baur
Doug Bristow
Mariesa Crow
Richard Dawes
Kate Drowne

Freshman Engineering – ad hoc committee to review the freshman curriculum experience
Kate Drowne – Co chair
John Myers – Co chair
Jeffrey Cawfield
Yu-Hsien Chiu
Stephen Clar

Textbook Costs – UM System Affordable and Open Educational Resources (A&OER)
Klaus Woelk

Design Team Faculty Advisors
Walter Eversman
Mark Fitch
Ralph Flori

Garry Grubbs
David Hoffman
Ryan Scott Hutcheson
Student Commencement Speakers were recognized and all faculty are encouraged to attend the commencement ceremony on May 12, 2018.

Sudharshan Anandan, Mechanical Engineering Graduate Speaker afternoon ceremony
Alyssa McCarthy, Business & Management Systems, Undergraduate Speaker afternoon ceremony
Alexander Brooks, Petroleum Engineering, Undergraduate Speaker morning ceremony
Rahul Menon, Petroleum Engineering, Graduate speaker morning ceremony
Bolthe Masedi, Mining Engineering, Undergraduate speaker afternoon ceremony
Lacey Raper, Biological Sciences, Undergraduate speaker morning ceremony

F. Faculty Senate President’s Report

Dr. Sedigh Sarvestani discussed the Board of Curators meeting that was hosted on the S&T campus April 12 and 13. IFC met with the Board on April 12 and the topic of discussion was faculty professional development. The Faculty Senate hosted a breakfast on April 13 and the theme was “Elevating Missouri through Research and Education”. Speakers included R. Joe Stanley and Stuart Baur speaking about their outreach activities including Project Lead the Way. In addition Brad Ziegler, a PhD student in CpE spoke about his journey back to Rolla. James Bahm was the undergraduate speak from Technical Communication BS program.

The April Board meeting included discussions on amending the CRR’s for 340.070 Faculty Leave and 280.040 Student Involuntary Health Leave of Absence. CRR 20.010 General Organization was also a topic of discussion involving around what it means for the University of Missouri to be ‘One University’. Action is anticipated for the next meeting in June 21 and 22 in Columbia.

IFC met on April 20. The next meeting will be May 17 in which three UM Curators are invited to attend.

Some current initiatives include: Review of policies related to NTT faculty, review of procedures related to teaching evaluations.

Some future initiatives include; review of grievance policy and resolution procedures, review of joint appointment policy.

Faculty Senate President Sarvestani discussed campus news such as the third draft of the strategic plan is underway. A search committee has made recommendations for the Vice Chancellor for Research and Dean of Graduate Studies. Academic program review has concluded and the final document was revised based on input from departments. President Choi and Interim Chancellor Maples hosted a Fireside Chat on April 18 that was well received. Dr. Kathryn Northcut is the 2018 Woman of the Year and Meg Brady was the 2018 winner of the Advocate Award. Faculty Senate was also seeking volunteers for a committee working with Chief Roberts on campus safety. There was great interest in this from the faculty.
Some on-going initiatives that Faculty Senate is working on include the review of the bylaws, development of procedure for realignment of academic departments, and the ongoing investigation of the sale of the Solar house.

Faculty senate has received some referrals for:
Public Occasion committee – Addition of fall break before Thanksgiving, review of graduate student participation in commencement ceremony prior to completion of requirements
Student Affairs committee – policy and practice for accommodations of students with disabilities
Academic Freedom and Standard committee – exclusion of transfer coursework from GPA and addition of plus/minus grades
Budgetary Affairs committee – Sale of solar house, distribution of raises given to administrators, faculty and staff, balance of MSU program and faculty retention packages.
TBD: revisit the requirement that search committee recommendations be made as unranked lists and faculty concerns regarding nepotism.

VII. Announcements – None

VIII. Adjournment – The meeting was adjourned at 4:52 pm.
Dr. Henry "Si" Howard Sineath was born in 1921 in Savannah, Georgia. He was the son of Francis Howard and Ruth Butler Sineath. He received the Bachelor and Master of Science degrees in Chemical Engineering from the University of Tennessee and the Doctor of Philosophy degree in Chemical Engineering from the Georgia Institute of Technology. He graduated from the Advanced Management Program at the Harvard Business School, holds seven patents in packaging, and was a US Army Veteran, having served during World War II.

Si had a distinguished 25 year career in industry, rising to the executive vice president level with the FMC Corporation. He began his relationship with then University of Missouri-Rolla in 1976 as a visiting associate professor in the Engineering Management Department. He established the Packaging Engineering Program under a grant from the Packaging Industry and then in 1977, he became the first Director of the program. In 1985, he endowed a fund to provide continued support for the Packaging Program. In 1981, he became Professor and second Chairman of the Engineering Management Department and retired as Professor Emeritus in 1986. Si was also a member of the Packaging Education Hall of Fame and was the first Packaging Machinery Manufacturers Institute Professor of Packaging Machinery at UMR. Upon retirement, Si and his wife, Betty, founded B & H Enterprises & Consultants.

As a faculty member, Si was known as a teacher, a mentor, and to many, a friend. He was well known for one simple yet profound philosophy about life: "Life is like a three legged stool." Each leg of the stool has particular meaning. You work hard. You rest hard. You play hard. The legs are held together by a spiritual foundation. In short, this conveyed the benefits of maintaining balance in life by keeping the legs of equal length. Si shared much wisdom to the students he served in the form of scholarship and lessons learned in life.

Si was a man of many talents. He was an avid golfer and advised students that the golf course was a good place to conduct business! He enjoyed fishing, hunting, and was a master craftsman in carpentry. He had a lifelong love and passion for poetry and was a published poet and two time award winner of the International Society of Poets annual competition. One of his clients, Terry Brewer, wrote this: "Brewer Science knows Dr.
Si’s story of success from sandlot leader to military leader to corporate leader. His life was a positive net sum gain. He achieved a life rich with harmonies, as his poems were rich with rhyme, yet welcomed life's anomalies. "Si's life was a life well lived, touching many in deep and profound ways.

Si loved his family with unconditional love, support and devotion. He is survived by his wife, Betty, five children: Jim Sineath, Sue Ellen Sineath, Debera Sineath, Cindy Ray, and Catherine Hayes; eight grandchildren and eleven great grandchildren.

We request that this memorial resolution be incorporated into the official minutes of the Missouri S&T General Faculty Meeting of May 1, 2018 and that copies be sent to his wife and children.

Respectfully,

Stephen Raper

Henry Wiebe
Oran Allan Pringle III was born on April 26, 1948 in Madison, Wisconsin. He attended West High School with Kathleen Hartung whom he would later marry. At school they shared friends, but never spoke with one another. Allan attended the University of Missouri-Columbia receiving his B.S. and M.S. in Physics in 1970 and 1971. From 1971-1974 Allan served his commission in the U.S. Navy where he was a shipboard communications officer. Following his service, Allan returned to the University of Missouri-Columbia where he completed his Ph.D. with Sam Werner in 1981. Allan worked as a Research Associate in the Solid State Division at Oak Ridge National Laboratory from 1982-1985 before joining the faculty at then UMR in 1985. He rose through the faculty ranks at UMR becoming an Associate Professor in 1991, Professor in 1998, and Curators' Teaching Professor in 2005.

Allan's research expertise was in neutron scattering and Mossbauer spectroscopy of hard magnetic materials. He published over 75 peer-reviewed journal articles and one book chapter. He supervised seven Ph.D. students and two M.S. students. In addition, he was an outstanding educator and a leader in science outreach to K-12 teachers and students. Allan Pringle retired in 2017. During his academic career Allan was the recipient of seven Faculty Excellence Awards, four Outstanding Teacher Awards, two UMR College of Arts & Sciences Excellence in Teaching Awards, the 2005 Distinguished Service Award from the Science Teachers of Missouri, and the 2006 Governor's Award for Excellence in Teaching.

Allan Pringle had a life-long interest in education, and he was an outstanding educator. For many years, he taught a large-enrollment Engineering Physics course that almost all science and engineering majors in Rolla take. He was always dedicated to the students, approachable, and kind. Allan developed a number of courses while at Missouri S&T including an algebra-based physics sequence, and "Physics For Science Teachers" for the Master of Science for Teachers program in Mathematics, Physics, Chemistry, and Geosciences & Geological and Petroleum Engineering.

Allan's true passion was outreach to science students and teachers in the state of Missouri. He spent tremendous amounts of time assisting regional science and math teachers in bringing excitement about science into the classroom, and running workshops and demonstrations for students of all levels to increase scientific understanding and excitement about math and science. In his Curators' Distinguished Teaching Professor nomination it was noted that as a young professor "in spite of my repeated warnings Dr. Pringle possibly did more service to the department and the university than the rest of the physics department combined." In 1989, Allan started science development programs for K-12 science teachers. Starting in 2004, Allan, with colleagues from several departments across campus ran Science Education and Quantitative Literacy Workshops for regional K-12 math and science teachers. All of this work was supported through the Missouri
Coordinating Board of Higher Education. This work involved summer institutes for training science educators from over two dozen regional districts in Missouri about half of which were "high need" districts. These programs directly impacted over 2000 students annually. In addition, Allan was the faculty advisor for the Society of Physics Students for thirty years. He organized the regional Science Olympiads held at Missouri S&T annually for many years and was on the Science Olympiad Board of Directors, ran the Problem Solving Workshop during orientation week for many years helping to improve retention at Missouri S&T, and organized Physics Day at Worlds of Fun amusement park for several years. For decades, Allan made between 30-40 visits annually to local schools where he did science demonstrations. His liquid nitrogen demonstrations were legendary and were responsible for exciting many thousands of students in Missouri about science.

On April 15, 2010 Allan participated in the "Last Lecture" series at Missouri S&T. In his lecture, which included his liquid nitrogen demonstration, he revealed that he went into physics because his two best friends in high school said that is what they planned to study. However, he said that he knew he would be a scientist based on a childhood incident where he observed a light in one of the rooms of his house and had in his hand a full water gun. "I didn't even know what a hypothesis was, but I knew if I squirt this squirt gun at this light something exciting will happen."

Allan lost his battle with cancer on March 24, 2017. He is survived by his mother Billie Gene (Hansen) Pringle, wife Kathleen (Hartung) Pringle, stepson John DiRienzo, daughter Erin Stovall and her husband Logan and son Gabriel Allan, and son Brian Pringle and his wife Red, and son Steve Pringle.

We request that this memorial resolution be incorporated into the official minutes of the Missouri University of Science & Technology General Faculty Meeting of May 1, 2018, and that a copy be sent to Dr. Pringle's wife Kathy.

Respectfully submitted by the faculty of the Physics Department and by Dr. V.A. Samaranayake