



General Faculty Meeting Minutes

May 3, 2016

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

- I. Call-to-Order, Chancellor Cheryl B. Schrader called the meeting of the General Faculty to order at 4:00 P.M.
- II. Chancellor Schrader recognized Professor Robert C. Laudon for the presentation of a memorial resolution in honor of Gerald Rupert. 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 Schrader recognized Professor Louis Biolsi for the presentation of a memorial resolution in honor of Donald Siehr. 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. Chancellor Schrader called for approval of the minutes of the December 8, 2015 meeting. The minutes were approved as circulated.
- IV. Unfinished Business – None
- V. Reports of Standing and Special Committees

- A. Election for Representatives to Committees

Professor Tom Schuman conducted the General Faculty elections for four committees: Public Occasions, Student Awards & Financial Aid, Student Scholastic Appeals, and University-Wide Tenure

Elected to Public Occasions:

No nominees. Will call for more names and vote next fall.

Elected to Student Awards & Financial Aid:

No nominees. Will call for more names and vote next fall.

Elected to Student Scholastic Appeals:

Jerry Cohen
Chariklia Sotiriou-Leventis

Elected to University-Wide Tenure:

No nominees. Will call for more names and vote next fall.

- 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 14, 2016, and two graduate candidates approved at the Graduate Faculty meeting held on May 2, 2016, be approved, subject to successful completion of any remaining degree requirements. The motion was approved.

B. Recognition of Faculty Patent Awards

Carlos Castano
Delbert E. Day
Mohammad Tayeb Ghasr
Hyoung-Koo Lee
Nicholas Leventis
Yinfa Ma
Chariklia Soritiou-Leventis
Donald C. Wunsch
Reza Zoughi

C. Campus Faculty Awards

Receiving the 2015 Excellence Award

Richard Dawes, Chemistry
Jun Fan, Electrical & Computer Engineering
Patrick Huber, History & Political Science
John Myers, Civil, Architectural & Environmental Engineering
Chengshan Xiao, Electrical & Computer Engineering

Receiving the 2015 Achievement Award

Ryan Hutcheson, Mechanical & Aerospace Engineering
Clayton Price, Computer Science
W. Eric Showalter, Civil, Architectural & Environmental Engineering

Receiving the 2015 Research Award

Serrate Hosder, Mechanical & Aerospace Engineering
Ulrich D. Jentschura, Physics
Xinhua Liang, Chemical & Biochemical Engineering
Dan Lin, Computer Science
Sanjay Madria, Computer Science
Glenn Morrison, Civil, Architectural & Environmental Engineering
David Pommerenke, Electrical & Environmental Engineering
Xiaodong Yang, Mechanical & Aerospace Engineering

Receiving the 2015 Service Award

Diana Ahmad, History & Political Science
Mark Fitch, Civil, Architectural & Environmental Engineering
Audra Merfeld-Langston, Arts, Languages, & Philosophy
Jeff Schramm, History & Political Science

Receiving the 2015 Teaching Award

Douglas Bristow, Mechanical & Aerospace Engineering
Michael Bruening, History & Political Science
Eric Bryan, English & Technical Communication
Xiaoping Du, Mechanical & Aerospace Engineering
Irina Ivliyeva, Arts, Languages & Philosophy
Jennifer Leopold, Computer Science
David Wright, English & Technical Communication
David Wronkiewicz, Geosciences & Geological & Petroleum Engineering

D. Chancellor's Report

Chancellor Schrader reviewed a report on our strategic plan progress which she shared with the Board of Curators at their meeting last month. The plan and progress reports are also available at strategicplan.mst.edu.

Chancellor Schrader said we embraced a strategic plan process that is customer-based and focused, with emphasis on return on investment. The four themes of the strategic plan were highlighted with an example of progress in each of these areas listed below.

- 1) Develop and inspire creative thinkers and leaders for lifelong success
Creation and implementation of the Innovation Team which has funded several entrepreneurial opportunities such as utilizing new technology in the writing center and supporting a new student innovation competition. Recently the team had to sign confidentiality agreements before they could listen to the Miner Tank pitch.
- 2) Enhance our reputation and raise visibility
We are investing \$1 million into additional faculty lines this year. We have now filled 26 additional faculty lines and are in the process of hiring 14 more. Soon we will be over 40 percent of our goal to add 100 additional faculty by 2020. We should see 39 faculty new to campus this fall.
- 3) Achieve sustainable growth to ensure best return on investment
The Office of Corporate Relations was launched in 2015 to help meet industry needs, and is led by Missouri S&T alum and former Boeing executive John Eash. This office is part of the newly established Division of Global and Strategic Partnerships, and will provide a one-stop shop for industry partners.
- 4) Increase and facilitate meaningful access to and interaction with renowned faculty, staff and services
Charts were presented that show strategic goals have been surpassed with increasing the number of online classes offered each year, increasing the number of students enrolled in distance and online classes, and increasing the number of blended classes offered per year. Chemical Engineering is creating two new online graduate programs for launch next year which will help with the fourth goal.

Chancellor Schrader discussed outcomes in retention, rankings, and starting salaries. Our first-year retention rate continues to be high at 87 percent, up four points from our baseline. Payscale.com ranked us fifth in the nation for annualized return on investment. Starting salaries have increased from the baseline of \$59,500 to \$63,350. More details on the metrics are available on the dashboard at progress.mst.edu.

Chancellor Schrader touched on a few challenges the campus is facing which are legislative uncertainty, change management, faculty and staff growth, and physical space.

Chancellor Schrader concluded by thanking everyone for the efforts they have made to implement the strategic plan.

The floor was opened for questions and none were asked.

E. Faculty Senate President's Report

President pro tem Tom Schuman gave a report on the Intercampus Faculty Council (IFC) activities. IFC has looked at post-tenure review partly in response to Missouri legislative criticisms. IFC is reviewing the Collected Rules & Regulations (CRR) with regards to integrated workload, annual review, post-tenure review, and waiver policies. Tom Schuman is the campus IFC representative for post-tenure review and draft CRR changes will be circulated to the Senates after IFC review. Dick Brow and Melanie Mormile are the representatives for the Teaching Waivers Task Force.

Faculty Senate elections were held at the April 21 meeting with the following officers for 2016-2017:

Past President: Mark Fitch
President: Tom Schuman
President Elect: Sahra Sedighsarvestani
Secretary: Barbara Hale (1 year term)
Parliamentarian: Steve Corns (5 year commitment)

President pro tem Tom Schuman also announced that the Board of Curators has enacted changes to the retirement health plan. There was a public forum for the UM System President held on campus. Further information is available at www.umsystem.edu/ps. The campus representative is C. Joe Boehm (staff rep).

The Collaborative on Academic Careers in Higher Education (COACHE) Survey closed April 8, 2016 and results are due to campus before summer. The administrative review closed March 28, 2016 and the results have been tallied by the committee. The criteria for the publishing of the results to Faculty Senate were achieved for the Chancellor and Dean positions.

President pro tem Tom Schuman also reviewed the activities of the Graduate Student Funding Policy Committee. Their report was presented to the Chancellor and Provost on April 11, 2016. He shared a summary of the policy recommendations, which included tuition and fees remission for all doctoral students, not including 'full-pay,' on

0.375 FTE or higher appointment. No re-budgeting of tuition/fees support in grants is to be allowed. The Chancellor's Distinguished Fellowships would provide 6 offers per year of \$10,000 in addition to the 'normal' fellowship offer and require 50% of the fellowships offers will be to underrepresented category candidates. The policy also provides 1:1 match recruiting support to departments of \$50,000 per year.

- VII. Announcements – None
- VIII. Adjournment – The meeting was adjourned at 5:00 pm.
- IX. Executive Session – Provost Marley presented the candidate for honorary degree. Ballots were distributed with the results to be forwarded by the Chancellor's Office to the UM System President.

Laura Stoll, Secretary

**Memorial: Dr. Gerald B. Rupert
Presented to the General Faculty Meeting of
Missouri University of Science and Technology**

Dr. Gerald (Jerry) B. Rupert passed away on Sunday, February 7, 2016 in his home at the age of 85. Jerry was born in Akron, Ohio on August 23, 1930 to the late Gerald and Mildred (Risher) Rupert. In April of 1954 he married Betty Lou Allen who preceded him in death on December 2, 2012. In addition to his parents and wife, Jerry was preceded in death by two brothers, Gordon and Jimmy. He will be greatly missed by his surviving family which includes: one daughter, Kathie Wayne and husband Greg of Bucyrus, Kansas; one son, Bradley Rupert of Rolla; and two grandchildren, Anastasia Wayne Huggins of Kansas City, MO and Tyler Wayne, of Boston, MA.

Jerry grew up in Linton, Indiana where he graduated from high school. Jerry was a veteran of the U.S. Air Force where he served in the Korean War. He earned a Bachelor's Degree in Geology from Indiana University in 1958, after which he worked as a field geophysicist for Texaco in Oklahoma for two years. Jerry then attended the Missouri School of Mines (MSM) where he received his Master's degree in Mining Engineering and Ph.D. in Geophysics in 1963. He then took a position teaching geophysics at MSM/University of Missouri-Rolla (UMR) from 1965 until 1995 (he retired in 1992). From 1966-1967 he took a sabbatical and worked as a geophysicist for Western Geophysics in Italy. Jerry was Chair of the Department of Geology and Geophysics for five years, and was instrumental in courting Mrs. Amy Shelton McNutt to secure funding for McNutt Hall. In 1988 Jerry taught a short course at Jiangnan Petroleum Institute (now Yangtze University) in China and was named an honorary professor, an honor bestowed on a westerner by the institute for the first time. Jerry was a strong advocate for reflection seismology and was instrumental in securing employment for many students upon graduation from MSM/UMR. He also did considerable consulting while at MSM/UMR.

Jerry was responsible for reviving and updating the MSM/UMR seismic recording station originally located in a cave near Newburg. In the early days the recording station was used to help identify earthquakes around the world as well as monitor Russia's testing of nuclear devices. Jerry was responsible for installing higher precision instrumentation and for automating the system. The financial support of Geology and Geophysics alumni made it possible to build a new station on the Missouri S&T campus, which was dedicated in 2015 as the Jerry Rupert Seismic Observatory.

As an illustration of his dedication to teaching and research, Jerry led a research team to investigate the effect of surface blasting in a nearby coal mine near Somerville, West Virginia in 1975. Jerry would teach his class on Monday, fly out that night to Charleston, drive to the site where he stayed with the rest of the team in a trailer until Thursday and then, after work, he would drive to Charleston and fly back to Rolla to teach his classes on Friday. The mine roof was about 3 feet 6 inches above the floor, making it difficult to walk into the mine and service the instruments. A small, electric golf cart would have made the trips much easier, but the University had a policy of not allowing anyone to purchase a golf cart. Therefore, Jerry bought a used "Low Profile Personnel Carrier" from the local golf club, and it worked out well.

Jerry was a strong advocate for the Boy Scouts in Rolla and was instrumental in creating the “Merit Badge Weekend” on campus. He also served in Boy Scout district and council positions for many years. He was a longtime member of the Christ Episcopal Church in Rolla.

Jerry was a true friend and mentor to many, and will be missed by the Geology and Geophysics program at Missouri S&T.

We request that this memorial resolution be incorporated in to the official minutes of the Missouri S&T General Faculty Meeting of May 3, 2016, and that copies be sent to his children and grandchildren.

Respectfully submitted,

Robert C. Laudon
David Summers
Francisca Oboh-Ikuenobe

**Memorial Resolution
for
Dr. Donald Joseph Siehr**

Donald Joseph Siehr, Emeritus Professor of Chemistry at MSM/UMR (now MST), was born in Milwaukee, WI on Nov. 13, 1928 and died in Columbia, MO on Feb. 3, 2016. Don spent his childhood and adolescence living in north Milwaukee where he attended North Division High School. He enjoyed visiting his grandparents' farm in central Wisconsin and played on the high school football team.

Upon graduation, Don enrolled at the University of Wisconsin - Madison (UW) and majored in biochemistry. He spent summers doing manual labor for the railroad. After graduating with a B.S., Don worked briefly for Glidden Paint Company before induction into the army during the Korean War. He spent his time in the service working at the Army Chemical Corps in Maryland.

He returned to the University of Wisconsin-Madison after his discharge and enrolled in the graduate program in biochemistry at UW. Don was an undergraduate and graduate student at UW during the "golden age" of biochemistry when biochemical and biological knowledge and understanding exploded, largely due to increasingly close intellectual ties between biology and chemistry. The University of Wisconsin was one of the principal institutions at which this work took place and Don was both pleased and proud that he was at UW during that period and participated in that research. His thesis advisor was Prof. Frank Strong and his Ph. D. thesis work involved a study of stimulants for plant growth. Interestingly, his M.S. thesis was related to pigments and acids in cranberries, an important crop in Wisconsin.

Don met his wife, Ann, while they were both graduate students at UW. They met at a graduate student tea at the University of Wisconsin's Episcopal St. Francis House. They were married on Aug. 18, 1956.

After receiving his Ph. D. in 1957, Don went to work as a research biochemist at Abbott Laboratories, a pharmaceutical company in North Chicago, IL. However, he was interested in an academic career and arrived at the Missouri School of Mines in the fall of 1961. The Chemistry and Chemical Engineering Departments were a single department at that time and Don often did work at the boundaries between chemistry and chemical engineering and mentored students in both disciplines. Don was the only biochemist on the faculty at that time as he was most of his career at MST. He mostly taught the undergraduate course in biochemistry and graduate biochemistry courses.

Don's primary research interests were in the properties of fungal cell walls. He also did research in other areas, including adsorption in biological systems and the rate of production of lysine, an amino acid used in the biosynthesis of proteins. He collaborated with colleagues in the Chemical and Civil Engineering Departments on adsorption and separations in non-biological systems including the effect of "masking agents" on the determination of trace chemicals in drinking water.

Don was the advisor for thirteen M.S. theses and seven Ph.D. theses. His work was supported by several organizations including NIH and the Paint Research Institute.

Don retired in 1991 and devoted a good deal of his retirement time to gardening and photography. He had his own greenhouse for many years before and after retirement. It was primarily used to raise flowers. He shared these flowers with his friends and planted many of them at Christ Episcopal Church in Rolla. During the spring, Don often drove along unpaved country roads taking pictures of wildflowers. Two of his favorite activities throughout his life were following the ups and downs of the Green Bay Packers and enjoying classical music.

Don also spent many years volunteering at Truman and Wyman Elementary Schools in Rolla as a reading resource person and in their Outdoor Classrooms. He not only listened to student read but also listened closely when students told about problems and successes in their lives.

Don was a lifelong member of the Episcopal Church and a very active member of Christ Episcopal Church in Rolla. In addition to his involvement in gardening and lawn care at the church, he served on the Vestry and taught Sunday School.

Most important, Don was an unusually decent and caring man. He strongly supported the aspirations of the poor and oppressed and just as strongly opposed racism, sexism, and other noxious values. By the way he lived his life, he gave daily testimony to the virtues preached by his church.

Don is survived by his wife, Ann, of fifty-nine years and his children; Chad Siehr of Rolla and Amy Volkart and her husband Mike of California, MO. He is also survived by his grandchildren Jacob, Caitlin and Dylan Siehr of Rolla, Joshua Volkart, Ashley Baker, and Devan Roberts of California and his great grandchildren Jase and Erin Baker, Dalton Roberts, and Addilynn Brinker of California, MO.

Submitted by the Faculty and Emeritus Faculty of the Department of Chemistry