



General Faculty Meeting Minutes

May 4, 2010

125 Butler-Carlton/Civil Engineering, 4:00pm

- I. Call-to-Order: Chancellor John Carney III called the meeting of the General Faculty to order at 4:00pm
- II. Announcements – none
- III. Chancellor Carney recognized Professor Al Spreng for the presentation of a memorial resolution in honor of John ‘Jack’ Burst and Professor Arlan Dekock for the presentation of a memorial resolution in honor of Ralph E. Lee and Professor Richard Stephenson for the presentation of a memorial resolution in honor of Norbert Schmidt and Professor Philip Whitefield for the presentation of a memorial resolution in honor of Robert R. Russell. It was moved that the memorial resolutions be incorporated in the faculty meeting minutes with copies forwarded to family members. The motion was approve (see Attachments A, B, C and D).
- IV. Chancellor Carney called for approval of the minutes of the December 1, 2009 and March 1, 2010 meetings. The minutes were approved as circulated.
- V. Unfinished Business – none
- VI. Reports of Standing and Special Committees
  - A. Campus Tenure Committee – Election for representatives to U-wide Tenure Committee  
  
Professor Greg Gelles presented candidates for the U-wide Tenure Committee. The following faculty were elected:  
  
University-Wide Tenure – Cihan Dagli (Representative)  
Lance Haynes (Alternate)
  - B. Other Standing Committees – Election for Representatives  
  
Professor Greg Gelles presented candidates for the Standing Committees. The following faculty were elected:  
  
Public Occasions – Joel Burken  
Paul Worsey  
Sedigh Servestani Sahra  
  
Student Awards and Financial Aids – Nick Leventis  
  
Student Scholastic Appeals – James Drallmeier

## VII. New Business

### A. Approval of candidates for degrees.

It was moved and seconded that the names on the previously circulated list of candidates for degrees May 14 and May 15, 2010, be approved, subject to successful completion of any remaining degree requirements. Motion was approved. (One additional name was added at the meeting in Business and Management Systems).

### B. It was moved and seconded that a BS degree in Environmental Engineering be awarded posthumously to Nicholas Tim Jarnagin at the May 2010 commencement. Motion was approved.

### C. Recognition of Faculty Patent Awards. Provost Wray recognized the following:

U.S. Patent No. 7,651,966

“Alkaline Resistant Phosphate glasses and method of Preparation and use thereof”  
Richard Brow, Delbert E. Day, Signo Tadeu, Dos Reis and Mariano Velez

U.S. Patent No. 7,618,582

“Continuous Steel Production and Apparatus”  
Kent Peaslee, David G.C. Robertson, Jorg Peter, Brian Thomas, Lifeng Zhang

U.S. Patent No. 7,689,016

“Automatic Detection of Critical Dermoscopy Features for Malignant Melanoma”  
Randy Moss, R. Joe Stanley, Xiaoho Chen, Kapil Gupta, Bijaya Shrestha, Pavani Jella, William V. Stoecker

U.S. Patent No. 7,601,425

“Corrosion Resistant Coating containing Carbon”  
James O. Stoffer, Eric Mossis, Pu (Paul) Yu\*, Scott A. Hayes and Thomas O’Keefe\*

U.S. Patent No. 7,603,004

“Neural Network Demodulators for Bragg Optical Sensors”  
Rohit Dua, Donald C. Wunsch and Steve E. Watkins

U.S. Patent No. 7,648,675

“Reaction Sintered Zirconium Carbide/Tungsten Composite Bodies and a Method of Producing Same”  
Shi Zhang, Greg Hilmas and William G. Fahrenholtz

U.S. Patent No. 7,705,084

“Water Born Film Forming Compositions”  
Micheal Van De Mark and N. Jiratumnukul

\*Deceased

### D. Chancellor’s Report

The Chancellor gave no further report since the State of the University address was presented on April 28. It is available on the web.

#### E. Faculty Senate President's Report

Faculty Senate President Michael Schulz reported that the second group of bylaw changes have been completed, approved by Board of Curators, and are now in effect. The new Promotion and Tenure rules have been reviewed by UM Legal Office and comments have been received. A new minor on "Sustainability" has been proposed and a committee has been formed. RP&A has requested that the department chairs make Standing Committee and Faculty Senate reports a regular agenda item at their department faculty meetings.

The following are Faculty Senate officers for the next year –

President – K.M. Isaac

President-elect – Michael Davis

Secretary – James Martin

Parliamentarian – Mark Fitch

Past President – Michael Schulz

VIII. Adjournment – The meeting was adjourned at 4:41pm.

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Laura K. Stoll, Secretary

John Frederick Burst  
Adjunct Professor of Geology  
October 16, 1923 – June 28, 2009

John Frederick “Jack” Burst was born to the late John F. Burst and Douetta (Haag) Burst in St. Louis. Jack graduated from Cleveland High School in St. Louis. After high school he attended the Missouri School of Mines and Metallurgy where he obtained a B.S. degree in Ceramic Engineering in 1943. After serving in the military Jack returned to MSM to work on an M.S. degree in Ceramic Engineering, receiving the degree in 1947. He was a Graduate Assistant in the Ceramic Engineering Department during the two years he studied for the MS degree. He then enrolled in the Department of Geology at the University of Missouri where he obtained his PhD degree in 1950 with a study of properties of Missouri fireclays as his thesis topic.

In his military service Jack served in the Army Corps of Engineers just after the end of WWII as a lieutenant, involved in bridge building. This included building a bridge over the Moselle River in western Germany. His service also permitted him to see some of the devastation and horror of the war including the newly freed concentration camps. Jack was an ardent patriot who made a specific airplane flight to Germany to participate in the celebration of the tearing down of the Berlin Wall and he proudly came back with a piece of that wall.

Dr. Burst had a varied professional career. He began his professional career with the Shell Development Laboratory in Houston, Texas, doing research on petroleum recovery. There he established himself as a prolific author, producing more than 50 scientific articles in the fields of geology, mineralogy, energy and ceramics. One of his most important publications was one in which he first recognized that the source of water to drive petroleum accumulation was the release of bound water from clay minerals during the diagenesis of sediments in sedimentary basins.

He later became corporate director of technology for the General Refractories Company of Philadelphia and then Director of Research and Vice President for Dresser Minerals in Houston, Texas.

Jack then moved to Rolla where he formed Triangle Environmental Science and Engineering Company. In this capacity he produced many environmental geology reports often in conjunction with surveys made by Elgin Surveying Company.

As for honors and awards, he received an A.P. Green Fellowship from the University of Missouri while completing his PhD studies there. He was a Fellow of the Geological Society of America. He was a past president of the Clay Minerals Society of America. He had served as Chairman of the Industrial minerals Division of the Society of Mining, Metallurgy and Exploration and served as president of the Society of Mining Engineering. He received the Medal of Honor from the Russian Academy of Natural Sciences for his published theories on oil field discovery methods. Dr. Burst was a very active member of the Rotary Club of Rolla and was named a Paul Harris Fellow in that organization.

During the time he managed the environmental science firm he was named, in 1988, Adjunct Professor of Geology in the department of geology at UMR in which capacity he gave advice to students and staff in his area of expertise.

John is survived by his wife Mary Anne Burst and his four children. He was buried with full military honors in Jefferson Barracks National Cemetery.

The committee requests that this resolution be incorporated into the minutes of the General Faculty meeting of May 4, 2010 and that the Chancellor forward the resolution to the members of his family who mourn his passing: Mrs. Mary Anne Burst of Rolla, Missouri; Missy Little of Cypress, Texas; Ann Bartlett Burst of Houston, Texas; Patricia Fears of Godfrey, Illinois; and John Frederick Burst III of Santa Clara, California.

Respectfully submitted,

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Richard D. Hagni

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Richard L. Elgin

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A.C. Spreng, Chairman

*Memorial Resolution*

**Ralph E Lee**

*Professor Emeritus of Computer Science*

Ralph Edward Lee passed away April 13, 2010, at the age of 88. He was born near Gilliam, MO, on July 1, 1921. His parents, Russell and Norena (Heinzler) Lee and his wife of 62 years, Ann Lee preceded him in death. Ralph is survived by: his five children, Randy Lee, Terry Lee, Julia Lee, Tim Lee and wife, Rhonda, and Nancy (Lee) Duncan and husband, Keith. He is also survived by: his grandchildren, Ryan Lee and wife, Susan, Alison (Lee) Peterson and husband, Ken, Michael Lee and his wife, Kelly, Shannon Lee, Katherine Lee and Maggie Duncan; great-granddaughter, Alyssa Lee; and brother-in-law, Sam Snoddy.

Ralph grew up in rural Gilliam, MO. During WWII, he served in the Army Signal Corps with the 3187th. Three weeks after being discharged from the Army, Ralph joined the faculty of the Missouri School of Mines in January, 1946 to teach mathematics. During the summer of 1956, Professor Lee worked as a Senior Research Mathematician for North American Aviation on the use of computer methods to solve ballistic missile problems. That experience convinced him to develop a course on computers for MSM. In 1957, he taught the first computer science course at the University of Missouri. In 1959, Ralph was one of the 12 chosen to attend a National Bureau of Standards program on teaching other professors how to use the computer. That fall he received a \$30,000 grant from the National Science Foundation to purchase the university's first computer in 1960.

By the mid 1960's as Director of the Computer Science Center, he was given the responsibility to develop and administrate the first M.S. degree program in Computer Science at UMR and University of Missouri. As interest in this popular degree grew, the Computer Science Department was organized at UMR in 1970. In 1985, after 40 years with the university, Ralph retired from the University of Missouri at Rolla, as a professor emeritus of computer science and mathematics and director emeritus of what then was called the computer center.

A private family memorial service will be held. Memorial contributions are suggested to the St. Patrick Catholic Church in care of Null & Son Funeral Home, 1010 Kingshighway, Rolla, MO, 65401. Online condolences may be offered at this website.

We request that this Memorial Resolution for Ralph E. Lee be incorporated into the official minutes of the Missouri S&T Faculty Meeting of May 04, 2010 and a copy be presented to his children.

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Arlan DeKock

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Ali Hurson

**Norbert Schmidt**

Norbert Schmidt, Sr.- Satellite Beach - Colonel Norbert Otto Schmidt, Sr., Ph.D, PE, 83, died Tuesday August 4, 2009. Born November 15, 1925 in Highland Park, MI, Norbert graduated from the United States Military Academy at West Point in 1949, served with the 65th Engineers on the Pusan Perimeter in the Korean War and was awarded two Purple Hearts and a Bronze Star. He earned his Masters Degree in Civil Engineering from Harvard in 1956, while serving with the ARMY Core of Engineers. He was posted around the US and in Germany before leaving active duty in 1962, to pursue his PHD in Civil Engineering from the University of Illinois. Norbert joined the faculty of the University of Missouri, Rolla,(UMR) retiring as Professor Emeritus of Civil Engineering in 1990. A member of ASCE, ASTM, NSPE, and the US Committee on Large Dams and elected to Sigma XI, Phi Eta Sigma, and Chi Epsilon, he was known at UMR for founding and lecturing for internationally recognized continuing

education courses in geotechnical engineering. When he moved to Satellite Beach in 1991, he continued his seminars through the University of Florida until 2002. He is survived by his wife of 55 years, Donna M. Schmidt; his son, Norbert O. Schmidt, Jr. (Bert); his daughters, Susan Smith, Caroliese Schmidt, Krista Eames and Emily Snodgrass; and his grandchildren, Hannah Schmidt, Julia, Peter and Jennifer Smith, Patrick Sullivan, Austin, Allison and Simone Eames, and Alexander, Nicholas, Christopher and Rachel Snodgrass. A memorial service and burial will be at Arlington National Cemetery at a later date. Online condolences may be sent to [www,beachfuneral-home.com](http://www,beachfuneral-home.com).



## Memorial Resolution Robert Raymond Russell

Professor Emeritus of Chemistry

7/3/20 – 2/12/10

Robert Raymond Russell, Rolla, passed away Friday, February 12, 2010 at Presbyterian Manor of Rolla. He was 89. He was born July 3, 1920 on Lummi Island, Washington to William Henry Russell and Ethel Emily (Davis) Russell. While still a toddler, his father died as a result of a sawmill accident. Consequently, the family relocated to Independence, Missouri, where he spent the rest of his boyhood. In addition to his parents, he was predeceased by his wife Dr. Barbara Russell, a Rolla pediatrician, in 1993, and by his two older brothers, Orrin and William. He is survived by his three sons and their families, Dr. John M. Russell and wife Janet of West Roxbury, MA and their children, Robert and Elizabeth of Philadelphia, PA; James A. Russell and wife Carol Heddinghaus and daughter Iris, of Rolla; and Bruce Russell and wife Katherine Cook of Rolla. In addition to his immediate family, those left to mourn his loss include several nieces, nephews and in-laws of Lake Ozark and of the state of Michigan, along with many, many friends.

Following high school graduation, Dr. Russell attended Graceland College in Lamoni, Iowa, where he earned an associate degree. He continued his education at the University of Kansas and earned his bachelors, masters and doctoral degrees in chemistry. While a student at Kansas University, he met and on August 13, 1943, married Barbara Lee Edmonds. While at K. U., Bob worked as a research assistant for the Kansas Industrial Development Commission and was a consultant to Skelly Oil Company. He joined the MSM faculty in 1948 as an assistant professor of chemistry in the Chemistry-Chemical Engineering Department. He taught undergraduate and graduate courses in organic chemistry until his retirement in 1985. He had the distinction of being the research advisor for the first Ph.D. recipient from the chemistry department, Dr. Robert Steinkamp. He was a member of the American Chemical Society, the American Association for the Advancement of Science and the honor societies of Phi Lambda Upsilon and Sigma Xi. He served for several years as treasurer of the Foundation for Chemical Research and was elected to the Academy of Chemists and Biochemists. He was a member and elder of the Community of Christ church, having served for many years as its pastor. He served several terms on the Rolla Board of Education during the 1960's and 1970's, serving as its president for a number of years. He, along with his wife, was also an active supporter of many local charitable and civic organizations and causes. Together, they founded the Russell House, a safe shelter for women and children. He enjoyed good jokes and bad puns, limericks and short poems, and could almost always produce one at will. If you had the patience to listen to one of his many "shaggy dog" stories, you were rewarded by the ending which was usually hilarious and helped to make your day. Following retirement, he pursued several business interests and tended his cattle ranch. He continued his charitable work and devoted a good deal of time and money to the Russell House and established a Missouri S&T Unrestricted Scholarship Fund.

Professor Russell will live on in the hearts and the minds of his students, family, friends and colleagues at MSM/UMR/Missouri S&T.

We request that this Memorial Resolution be incorporated into the official minutes of the Missouri S&T Faculty Meeting of May 4, 2010, and a copy be presented to his children.

Respectfully submitted,  
The Faculty of the Department of Chemistry

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Philip D. Whitefield, Chair