

Physics Department's Role In the Full Circle Campaign

As the university charts our course for the next century to *educate tomorrow's leaders in engineering and science*, the campus is focusing on its areas of excellence -- those areas that build on our strengths and traditions. The **Full Circle Campaign** is an intensive seven-year effort to increase and focus private support for MSM-UMR. The goals of this campaign have arisen through a planning process involving campus leadership as well as alumni leaders, advisors, and friends.

The Physics Department has a Campaign goal of \$1.1 million, of which 75% has already been committed to date by alumni and friends. The primary focus for physics throughout the Campaign will be to build funds for student scholarships and fellowships, establish an endowed professorship in the department, and form an endowed resource for the continuing purchase of much needed undergraduate laboratory equipment and computer upgrades.

Be sure to read the information and watch the progress on the *Full Circle Campaign* in the *MSM-UMR Alumnus* magazine. Updates on the department's progress will be published in future Newsletters. Remember, it's the generosity of UMR alumni, parents, and friends in completing the full circle -- remembering the past and ensuring the future -- that will help us achieve our commitment to excellence.

Physics' First Alumna Generously Increases Endowed Scholarship

Ellen Woodman Doll (BS '33) has donated \$5,000 to increase the endowment of the Leon E. Woodman Memorial Scholarship Fund. MSM records show Ellen as the Physics Department's first alumna. It was unusual for women to earn degrees at MSM in the 1930's. Her actual degree, in fact, was in Science since neither physics nor chemistry degrees were officially offered at that time.

Dr. Leon Woodman, Mrs. Doll's father, was hired by MSM in 1919 after obtaining his Ph.D. from Columbia University in New York City. He became head of the Physics Department in 1920 and served in that role until 1949 when he retired. He laid a sturdy foundation upon which the department could grow and gain strength. In 1967 the Woodman family established the scholarship fund as a memorial to Dr. Woodman. The interest from the endowment enables the department to award two scholarships annually to students of good character and scholastic achievement who have financial need.

Ellen counts many MSM alumnae among her friends and still keeps in contact with them. She is now a lively retiree after having taught public school for many years. Ellen lives in Charleston, WV, where (among her many activities) she collects unusual musical instruments which she enthusiastically learns to play.

The Physics Department appreciates Ellen's memories and her generosity.

Return to Rolla for Homecoming!

The Physics Department is undergoing continuous improvement and we warmly invite our alumni to return to experience it at UMR Homecoming, on the weekend of Oct 2-3, 1998. On Friday afternoon (October 2), the department holds an open house for its alumni and friends, with special programs presented. This year we will be featuring the new Laser Laboratory. Other tours along with interactions with students will be available.

Following tradition, a physics alumnus or alumna will deliver the 1998 Homecoming Colloquium at 4 p.m. on Friday, October 2. Professors **Ed** and **Barbara Hale** will have a reception that evening in their home for all returning alumni. Come home to your college roots, and celebrate our past and future!

From the President of SPS

My name is **Dan Storey**, and I was president of the UMR chapter of the Society of Physics Students (SPS) last semester.

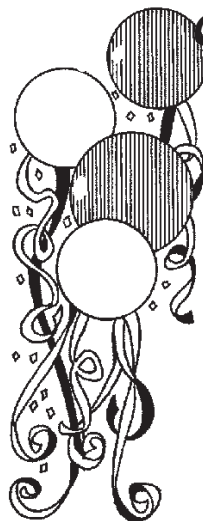


Dan Storey

You may wonder why we changed presidents at the end of the semester. It was a general feeling that some major changes needed to be made in SPS. Last semester, the executive board of UMR-SPS totally re-wrote the constitution. In our new constitution, offices terms are only one semester long. This gives more people a chance at a leadership role in the society. It also permits people who can only commit a semester to take an active part in SPS. The new constitution was one of our major accomplishments of the semester.

Also, last semester, SPS started a student lecture series in which alumni, faculty and others came to meetings and talked to the students. This was done because undergraduate students have little exposure to the real world of physics at their level. We do have a colloquium series in the department, but speakers generally give talks geared towards graduate students and professors. Physics faculty members **Greg Story**, **Bob Dubois**, and **Allan Pringle** talked about their research. Physics alumnus **Jeff Schroeder** (BS '95) shared his experiences at Hughes with us while he was on a campus recruiting trip. We had many interesting talks, and hopefully expanded the minds of our members.

Our big project for the current semester is our participation in "Two Plus Two" sponsored by the Girl Scouts. One Saturday near the end of February, local girl scouts will visit campus and participate in science activities with faculty and students. We plan to make sundial wristwatches for each girl scout to take home. We are looking forward to this event, and anticipating plenty of sunshine for our "solar-powered" watches!



Congrats to Our 1997 Degree Recipients!

Bachelor of Science

Patrick Berryhill	Hal Burch
Jennie Flynn	Joshua Gary
Shella Keilholz	Kevin Moll
Michael Pinkerton	Brad White
Christopher Shields	

Master of Science

Michael Foster	James Perez
Muzaffer Tabanli	

Doctor of Philosophy

Gavin Buffington	Chang Shen
Stephen Jones	