



ARCS ADVANCING
SCIENCE
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UTAH CHAPTER

Message from the President



Dear Chapter Members and Potential Members,

Having received our charter from ARCS National in October, 2009, the Utah Chapter followed its very successful first year of operation with a second year which was just as successful and exciting. On October 5, 2010 we held our first ARCS Scholar Awards Luncheon. Dr. Paul LaStayo, Associate Professor in the U of U Department of Physical Therapy and Director of the Skeletal Muscle Exercise Research Facility, was the guest speaker. Dr. LaStayo was an ARCS Scholar from the Phoenix Chapter and attributed his ARCS support as the critical component that helped initiate his work involving the enhancement of muscle function in elderly populations. Scholar awards of \$15,000 each were presented to Ph.D. students Shannon Hanson, Civil & Environmental Engineering; Nicholas Nolta, Bioengineering; and Joshua Sewell, Chemical Engineering. We were all very pleasantly surprised when Engineering Dean Richard Brown announced that the College would contribute funds for the 2nd and 3rd years of study for these students, enabling us to have three additional ARCS scholars in 2011-2012.

Other ARCS Chapter events during the year included a visit to the U of U Hospital's CARMA Center, a private tour of L-3 Communications West, a special program at the U of U John A. Moran Eye Center, a visit to the Kimball Art Center in Park City, and attendance at the U of U's annual Gould Distinguished Lecture on Technology and the Quality of Life. Each of these events is described in more detail in this newsletter.

Our current chapter officers and board members are:

President	Cecelia (Cece) H. Foxley, Former Utah Commissioner of Higher Education
President Elect	Anne Erickson, Former Academic VP of Salt Lake Community College
VP, Finance/Treasurer	Sue Dintelman, CEO of Pleiades Software Development
VP, Membership	Ruth Novak, Former VP & General Manager of Hercules Utah (now ATK)
VP, Programs & Events	Robin Rankin Marrouche, Executive Director of the Kimball Art Center
VP, Development	Margaret Niver McGann, Attorney with Parsons Behle & Latimer Law Firm
VP, Communications/ Secretary	Klancy DeNevers, Former Software Engineer, Scientific Programmer, Manager & Author
Member-at-Large	Joan Jacobson, Former Boston Chapter President & College Faculty Member
Member-at-Large	Lois Milner, Community Volunteer & Philanthropist
Member-at-Large	Laura Springhetti, Nurse Anesthetist at Moran Eye Center & VA Hospital

Serving as the Founding President of the ARCS Utah Chapter has been a privilege. We have accomplished a great deal during the past 2 ½ years, but it would not have been possible without the extraordinary support of Engineering Dean Richard Brown and his staff members Marilyn Davies and Sarah Bagdoian. I have also had the support of an incredible board, all of whom have been very dedicated ARCS members and have given countless hours of service. Recently, ARCS National developed a new website, and we all owe a debt of gratitude to Sue Dintelman and Margaret McGann for serving as our "webmasters", with Klancy DeNevers as backup. I look forward to continuing my association with ARCS and to passing the presidential gavel to our incoming Chapter President Anne Erickson.

Sincerely,

ARCS Utah Chapter Events

February 2, 2011—We enjoyed a presentation on atrial fibrillation and a tour of the University of Utah Hospital’s CARMA Center (Center for Arrhythmia Research and Management). Dr. Nassir F. Marrouche, Director of the CARMA Center and husband of our ARCS Chapter VP for Programs & Events Robin Rankin Marrouche, gave a very interesting presentation on how research scientists and physicians at the University of Utah are developing break-through technologies to improve the treatment and management of heart conditions like atrial fibrillation. Following the presentation and a tour of the lab, ARCS members participated in a simple cardiac screening that utilizes an ECG to detect the rhythm of the heart. Test results were interpreted and questions answered privately by a nurse practitioner.



March 31, 2011--ARCS Chapter members had a private tour of L-3 Communications West. L-3 is a leading provider of Intelligence, Surveillance and Reconnaissance (ISR) systems, secure communications systems, aircraft modernization, training and government services and is a merchant supplier of a broad array of high technology products. Its customers include the Department of Defense, Department of Homeland Security, selected U.S. Government intelligence agencies and aerospace prime contractors. Presentations were given by Susan D. Opp, President & Chief Operating Officer, and Camille Guth, VP for Human Resources, as well as key employees during the tour.



May 17, 2011—A special program at the University of Utah John A. Moran Eye Center was presented to ARCS Chapter members and their guests on ground-breaking research on various eye diseases. Dr. Randall J. Olson, Chair of Ophthalmology and CEO of the Moran Eye Center gave an overview of the Center and introduced the presenters: (1) Dr. Margaret M. DeAngelis, “Curing Age-Related Macular Degeneration in Our Lifetime,” (2) Dr. Bryan W. Jones, “Connectomics: The Retina in Health and Disease,” and (3) Dr. Paul S. Bernstein, “Nutritional Interventions for Macular Degeneration.” We then toured the Connectome and CTM Labs.



ARCS National Annual Meetings (NAM)

Active members of all 17 ARCS Chapters are invited to attend ARCS Foundation’s National Annual Meetings (NAM) to learn more about the national organization and how chapters can function more effectively and also to attend interesting scientific and educational events. This year’s NAM was held at Amelia Island, Florida, June 1-4, 2011, and the focus was on fund-raising, membership development, and the structure of the National Board. Marine biology and science were the topics of panel discussions and information sessions. Anne Erickson and Ruth Novak represented the Utah Chapter. Cece Foxley was honored with an “ARCS Lights” award which recognizes outstanding leadership and service. The next NAM will be in Denver, Colorado, May 30-June 2, 2012. Various events will be held at the Colorado Governor’s Mansion, the Denver Museum of Nature & Science, and the University of Colorado Medical Campus.

ARCS Utah Chapter Events

August 11, 2011—ARCS members and guests were welcomed to the Kimball Art Center in Park City by Executive Director Robin Marrouche who is also our chapter’s VP for Programs & Events. After telling us about the mission and plans for expansion of the Art Center, she led us on a tour of the “Relevant 2011 Exhibition”--a diverse array of artwork by talented undergraduate and graduate art students from across the country and their nationally acclaimed mentor artists who worked together during the Kimball’s 10 day program. Two of the artists were present and answered questions from the group. Following the art tour, we met in the lovely Park City home of Judith Miller and enjoyed a social gathering with refreshments.



September 14, 2011—For the third year, ARCS members attended the annual Gould Distinguished Lecture On Technology and the Quality of Life held in the Marriott Library. This year’s guest lecturer was David D. Freudenthal, the 31st Governor of Wyoming (2002-2011). In Governor Freudenthal’s presentation, “The Good, the Bad, and the Not So Pretty: Public Policy Leaders and the Evolution of Technology,” he explored the opportunities and problems the evolution of technology creates for public policy leaders. Real world examples from healthcare to environmental policy was discussed in the context of striking the balance among competing interests in a public policy world. Following the program, ARCS members enjoyed lunch and a discussion of future events and chapter business.

2nd Annual ARCS Scholar Awards Luncheon

On October 3, 2011, we are excited to hold our 2nd Scholar Awards Luncheon, which will again be hosted by the College of Engineering. Our speakers will be our 2010-2011 ARCS Scholars: Shannon Hanson, Civil & Environmental Engineering; Nicholas Nolta, Bioengineering; and Joshua Sewell, Chemical Engineering. They will share with us some information about their research projects, their experiences as Ph.D. students and ARCS Scholars, and their future goals. The 2011-2012 ARCS Scholars who will be receiving their awards at the luncheon are Daman Bareiss, Andrew Fisher, and Shannon Reynolds.



Daman Bareiss, a Ph.D. student in Mechanical Engineering, received his B.S. in Mechanical Engineering from Oklahoma State University and is planning to focus on robotics. He is hoping to apply the bio-manipulation area of biocentric robotics to military and medical projects. Daman is the proud father of a 3-year-old son, and looks forward to raising him in Salt Lake City.

asynchronous circuit design and hopes to go into industry.



Shannon Reynolds, a Ph.D. student in Civil & Environmental Engineering, received both her B.S. and M.S. from the University of Utah and has been working for the past 5 years as a project engineer with Camp Dresser & McKee, Inc (CDM) in Philadelphia. She is interested in redefining traditional urban storm water management practices into more sustainable and healthier approaches.



Andrew Fisher, a Ph.D. student in Electrical & Computer Engineering, received his B.S. in math from Weber State University, and his M.S. and Ph.D. degrees in math from the University of Florida. He is currently interested in

Mission Statement

The ARCS Foundation advances science and technology in the United States by providing financial awards to academically outstanding U.S. citizens studying to complete degrees in science, engineering and medical research.

Utah ARCS Board 2011-2012

President	Anne Erickson (ericksan@aol.com)
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VP Programs/ Events	Robin Rankin Marrouche (director@kimballartcenter.org)
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ARCS® Foundation -- Utah

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