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#### **ARCS - Colorado Fall Newsletter**

1 message

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Fall, 2016



## SCHOLAR SPOTLIGHT

# Colorado School of Mines Scholar Aspen Anderson represents three legacies

Growing up in the West, Aspen loved the outdoors, and science, but not until a high school class in environmental science did she decide to follow in the footsteps of her father, Steve Anderson, a geosciences professor. After struggling financially through her first year at Mines, Aspen was deeply grateful for the ARCS award that supports her degree work and her research in the links between unconventional energy production and water demands. When she told her father about the award, she got a surprise. Thirty years before while pursuing a doctorate at Arizona State University with a specialization in volcanology and an aim of teaching, Steve nearly set aside his goals in favor of a corporate job to support his young family. That's when a timely ARCS award allowed him to continue his studies and enter on his academic career. Father and daughter both agree that sharing these experiences has brought them closer together, and Steve, as the son of a teacher, is especially proud that Aspen is not only a second generation geoscientist and ARCS scholar but also will be the family's third generation educator.



## **DONOR SPOTLIGHT**

#### Willett family contributes to a milestone

Rising from Matador, Texas, the Willett brothers were successful. Older brother Boyd was a chemical engineer who built a long career with PPG Industries. Younger brother Harry, observing a chicken pecking at bubbles in a yard in Oklahoma, bought a lease that launched his 50-year career as an oil man. After traveling far and wide, both ended up in Denver, where Boyd's wife Harriet became an active and valued member of ARCS. On Boyd's death in 2002 memorial gifts started a named scholar award that the family renewed each year. Following Harry's death in 2009, the gifts continued from his foundation guided by Boyd's son Ryan, a "typical" Willett: born in Louisiana; attended high school in Montreal and Denver; moved to Vail to ski and build houses; served in the army in Georgia; completed college at Stanford University; went to law school at Montana State University, then lived and worked in Billings for 20 years. Forward to 2016, our 40<sup>th</sup> anniversary year, and we are honored to recognize the Willett family prominently among the donors whose generosity has helped our chapter reach and exceed \$4 million in awards to scholars.



# ALUMNA SPOTLIGHT

## Dr. Chelsea Cook's work on behalf of bee-havior

Dr. Cook is a researcher in ecology and evolutionary biology at Arizona State University who is interested in how large, decentralized societies react to potentially life-threatening changes, and who recently published a peer-reviewed paper in the British journal *Animal Behaviour* reporting on a study she led while an ARCS scholar at CU Boulder. While honey bees are known to fan their wings to counteract temperature increases in their hives so as to prevent loss of larvae, Dr. Cook and her team documented two phenomena: Bees are more responsive to quick rises in temperature than to gradual increases, and single or small groups of fewer than ten bees are unlikely to respond at all, indicating that larger groups are better than individuals at gathering and assessing information about the nature of abrupt change. Dr. Cook credits the ARCS award for allowing her not to work during the summers but to pursue the research that led to the paper and her current post-doctoral position.



## **MEMBER SPOTLIGHT**

#### Colorado Chapter ARCS Light Jeanine Ingber

We were pleased to introduce Jeanine, our 2016 ARCS Light honoree, to ARCS members nationwide. As a professional, Jeanine's expertise is widely known for co-authoring *Engineering Problem Solving with* C++, currently in its fourth edition. As a volunteer, Jeanine's skills are greatly appreciated in serving as our chapter's Vice President of Operations almost since the day she joined ARCS in 2011. She received her bachelor's degree in mathematics from CU Boulder and master's degree in computer engineering from the University of Michigan, and she has held faculty positions at Iowa State University and the University of New Mexico. She came to Denver when her husband Marc was appointed Dean of the College of Engineering and Applied Science at CU Denver. Jeanine says that ARCS membership is a privilege that offers exposure to the stimulating talents and activities of our gifted scholars, access to lectures and tours of the areas' state-of-the-art research

facilities, and the rewards of friendship with "an amazing group of ARCS members and their families."

#### ARCS Colorado Chapter welcomes new member Mary Bartholomew

Mary's membership may have been inevitable. She learned about ARCS through her good friend Joan Obert whom she taught with at Smoky Hill High School in Aurora where together they successfully coached numerous teams that qualified to participate in the National Science Bowl Competition. At the first ARCS event she attended, the speaker was scholar Jacob Altholtz, a former student of hers. And her youngest son Tim is an ARCS scholar pursuing a Ph.D. at Carnegie Mellon University. Mary currently teaches chemistry at Regis Jesuit High School, further evidence – if any is needed – that she shares ARCS' commitment to encouraging and supporting the next generation of scientists.



# **UNIVERSITY SPOTLIGHT**

#### Intermural Collaboration

Under construction at Colorado State University is a medical building that will consolidate CSU's student health services and will include primary care and

occupational health clinics operated by the University of Colorado's UCHealth. The project adds to the two schools' existing partnerships in the University of Colorado Cancer Center and the Colorado School of Public Health, and it extends the relationship to cover health care for Rams athletes. Anschutz Medical Campus Chancellor Don Elliman describes the undertaking as a win for the entire state. CSU President Tony Frank concurs, saying that the universities compete with each other for a few hours on the playing fields but work extraordinarily well together in such important matters as service to the state and advancement of knowledge



## **EVENTS SPOTLIGHT**

MARK YOUR CALENDARS ....

.....for the Fall Membership Meeting at 10:00 on September 21

The Fall Membership Meeting, featuring Dr. Janice Nerger, Dean of Natural Sciences at Colorado State University, will be held on September 21, at 10:00 followed by lunch at 11:30, and PLANNING AHEAD REALLY MATTERS! The meeting will be at the UMB Bank at 1635 E. Colfax Ave, which has very tight security requiring a check-in by guest name not group name, so advance RSVPs are essential. Please notify Joan Obert by email at joanobert@yahoo.com, or if you can stay for lunch, secure your reservation with your check for \$37 payable to ARCS Foundation Colorado Chapter and sent to P O Box 460874, Denver, CO 80246.

.....for the 2016-17 Scholar Introduction and Luncheon at 10:00 on November 2

The event will be at the Anschutz Medical Campus. More information will be coming to you soon.



#### **PRESIDENT'S MESSAGE**

The 2016-17 ARCS Foundation, Colorado Chapter Honoree is Dr. Kjell Lindgren, MD. Dr. Lindgren has lived an exciting and impressive life. On his way to reaching great heights, Dr. Lindgren, received a Bachelor of Science, Biology, Minor in Mandarin Chinese from the United States Air Force Academy, Colorado Springs, Colorado; Master of Science, Cardiovascular Physiology from the Colorado State University, Fort Collins, Colorado, 1996; and an M.D. from the University of Colorado School of Medicine, Denver, Colorado. He also earned two more masters degrees in Public Health. In 2009 he was selected to be a part of NASA's Astronaut Group 20 and in 2015 flew to the International Space Station for a six month tour. We are honored that Dr. Lindgren graciously accepted our invitation and are looking forward to having him with us at our Gala on May 5, 2017 thanks to the generosity of Ann and Gordon Brown.

I want to strongly encourage you to attend both our Fall Members' meeting on September 21 and our Scholar Luncheon on November 2<sup>nd</sup>. Both events are excellent opportunities to meet our Scholars and to see just how much of an impact your ARCS membership means to each of them. This email was sent to jeanine.ingber@gmail.com

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