

ARCS®



FOUNDATION INC

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ARCS® Atlanta Chapter Newsletter

Volume No. IX, Issue No.2

Winter, 2008

Upcoming Events

3/19	Board Meeting
3/30	Spring Cocktail Party
4/23-27	Spring Retreat to Seattle, WA
5/14	Annual Meeting & Luncheon
6/4-7	ARCS National Annual Meeting 50 th Anniversary Celebration Pasadena, CA
6/11	New Board/Old Board Meeting

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A Letter from our President

Dear ARCS Members:

This year has been doubly exciting with the celebration of the 15th Anniversary of the Atlanta Chapter and the 50th Anniversary of the National ARCS Foundation. Commemoration of these two milestones began on September 14 with a gala evening – the Fifteen/ Fifty Celebration -- honoring the Founding Members of our Chapter. Chaired by Betty Feezor, this event at the Cherokee Town Club raised more than \$20,000 for our Endowment. Thanks to Betty and all who participated in this inspirational and truly marvelous evening.

In October, we had one of our best field trips ever – to Icha-way Plantation in South Georgia to visit the Joseph W. Jones Ecological Center, named for the late husband of our own Cecy Jones. More than 50 ARCS members and spouses made the overnight trip, and gave enthusiastic kudos to Educational Co-Chairs Susan Higley and Sally Boice who planned the event with Cecy's help.

Also in October we accepted two new members -- Anne Deeley Easterly and Laura Jones Hardman, bringing the Class of 2007-08 to a total of 10. This Class has been one of the largest in many years and we are truly blessed to add so many dynamic and ca-



pable new members to our ranks.

The highlight of our year is always the Scholar's Luncheon in November, and we thank Luncheon Chair Liz Troy and her committee for executing a wonderful event highlighting our 34 brilliant scholars from Emory, Georgia Tech, Morehouse and UGA. Former Agnes Scott President Dr. Mary Brown Bulloch gave the keynote speech on the topic of China and the involvement of U.S. science. Thanks to Bill Liss and Debbie Liss' Public Relations Committee, the luncheon received some great publicity, including being featured on WXIA 11-Alive News.

At our General Membership Meeting in January, we were privileged to hear from Dr. Rich DeMillo, Imlay Dean of the College of Computing at Georgia Tech, who talked to us about the future of computing and what we can expect in the years to come. We also announced our 2008 ARCS

Light – Anne Boyd – for all the many contributions she has made throughout the years.

Meanwhile, there is significant ongoing activity related to our Chapter's governance and organizational structure. Through the efforts of a Task Force, led by Anne Boyd, in conjunction with Parliamentarian Eileen Christman and Nominations Chair Kathy Berry, our organization chart, bylaws and standing rules and job descriptions have been revised and updated. In addition, we've added a VP for Administration to the organization who will be responsible for maintaining our policies and procedures and for overseeing strategic planning, document retention and archives, website maintenance and compliance with National requirements.

Looking forward, there will be a new member Cocktail Party at Joan Heazel's home on March 30, the Seattle Retreat April 23-27, and the Spring Luncheon and Membership Meeting on May 14. Capping all this activity is the ARCS National Annual Meeting and 50th Anniversary celebration in Pasadena June 4-7. Enjoy all these wonderful upcoming activities and events and Happy Spring!!

Jan K. Bennett
President
Atlanta Chapter

Spotlight on Scholars

The Atlanta chapter of ARCS is proud and fortunate to have such a talented and dedicated group of scientists working towards their doctorates at our finest institutions in Georgia. Our ARCS scholars have been an inspiration to all of us. Below are four of our outstanding ARCS scholars featured in this month's **Scholar Sightings**.



Christopher Bond—Emory University Zeist Fellowship

Chris is a PhD candidate in Epidemiology and a third year ARCS scholar. Chris earned his B.A. in Biology at LaSalle University in 1991 and Ph.D. in English from the University of Notre Dame in 1998. His research involves the immunization of a high-risk patient population. Chris' doctoral dissertation focused on rhetoric in scientific writing – particularly the scientific article and the peer-review process. He maintains an ongoing interest in processes and methodologies for scientific communication within the medical/research community, particularly in the areas of evidence-based medicine and health services research. Chris' early career was spent teaching writing as an assistant professor at Rowan University. Since then, he has worked as a science and medical writer for educational institutions and within the pharmaceutical industry. In addition to completing coursework and exams, Chris has conducted research into vaccination practices in high-risk patients and interventions to improve outcomes. He has presented his findings at the 2006 and 2007 American Society of Nephrology meetings. Chris is married and has an 8-year old daughter.



Desmond Moore—Morehouse College Rice Scholarship

Desmond is a senior and a second year ARCS scholar majoring in Biology at Morehouse College. Desmond is from Chicago, Illinois. He has participated in the MBRS-RISE program, and is currently a member of the MARC U*STAR honors program, Undergraduate Research Scholars program, National Society of Collegiate Scholars, Dean's List and Honor Roll. Desmond has volunteered his service in Ghana as an Urban Scholar and in South Africa with Operation Crossroads Africa. He is presently one of the selected undergraduate students conducting research in the laboratory of Dr. Andreas Bommarius of the Chemical & Biomolecular Engineering Department of Georgia Tech. His research focuses on improving protein engineering. He has presented his research at the 18th Annual Mapp symposium, where he earned second place on his poster presentation. Desmond plans to obtain an M.D./Ph.D. or Ph.D. in biomedical engineering. In his spare time, Desmond enjoys painting, playing tennis and basketball.



Shelby Highsmith—Georgia Tech

Miller Fellowship

Shelby is a second year ARCS scholar pursuing his PhD in Mechanical Engineering. Before coming to Georgia Tech, he completed a dual-degree program at the University of Notre Dame, majoring in Aerospace Engineering and Philosophy. He then worked as a program manager in Propulsion Technology Development for Honeywell Engines & Systems overseeing multidisciplinary research programs. An assignment in the accident investigation group inspired Shelby to pursue a Ph.D. studying mechanics of materials, fatigue and fracture mechanics with Prof. Steve Johnson. He is studying the durability of aerospace materials, attempting to predict the directions in which fatigue cracks will grow under the complicated vibratory stress in turbine engines. After declaring a minor in International Affairs, he received a fellowship from the Sam Nunn Security Program to study issues in technology and international security. Outside of school, Shelby writes on three weblogs and was communications director for a political action group. He plans to pursue a government-related career in science and technology policy.



Dawn M. Penn—University of Georgia

Lanier Fellowship

Dawn is a PhD candidate in Family and Consumer Sciences and a second year ARCS scholar. Dawn received her B.S. degree in Nutrition from Penn State University and completed her Dietetic Internship at Iowa State University. She then received her M.S. degree in Foods and Nutrition at University of Georgia. She worked as a clinical research assistant/dietitian at the VA Hospital/Duke University. She returned to UGa to pursue her doctoral degree under the direction of Dr. Ruth Harris. Her current research focuses on the role of the adipokine, leptin, in regulating fat cell growth using in vitro cell culture and in vivo models of genetic and diet induced obesity. Dawn has presented her research at national conferences and has published in the American Journal of Physiology-Regulatory, Integrative and Comparative Physiology as well as co-authoring a book chapter. In her spare time, Dawn enjoys cycling, running and spending time with her friends, family and dog.

New Member Applications Available April 1

Membership applications will be available beginning April 1 with a submission deadline of June 30. Following the timeline established last year, the Membership Committee will meet in September / October to review the applications. New members will be invited to the Scholars' Luncheon as their first official function.

Based on dues renewal responses, we anticipate several openings. If you have questions or would like to secure an application April 1 or later, please call Carla Fackler, 404-949-0052, or e-mail, carla@stonewallcreek.com (both are new contact points). Also note new address: 19 Muscogee Way, NW, Atlanta 30305.

ARCS Scholars Honored at Annual Luncheon



Liz Troy
Luncheon Chair



Deede Stephenson
VP University
Relations

On November 15, the 2007 Annual Scholarship Awards Luncheon was held at the Ritz Carlton, Atlanta. Thirty four scholars from Emory University, the Georgia Institute of Technology, Morehouse College and the University of Georgia were recognized and awarded a total of \$197,000 in scholarships. Prior to the luncheon, the scholars were honored at an informal reception attended by their family, professors, and guests.

The keynote speaker was Dr. Mary Brown Bullock, former president of Agnes Scott College. She is currently at Emory University as the Visiting Distinguished Professor of China Studies. Dr. Bullock is a specialist on China having lived there as a young child and then specializing in U.S.-Chinese relations in her research and publications as an adult.

In her address, "China's Science: The American Connection," Dr. Bullock described how China's science and technology is driving their economic development with the goal of improving their intellectual

leadership standing in the world. China is number 3 in the world behind the U. S. and Japan in research and development spending in science and technology, but they are expected to be the leaders within the next quarter of a century. To that end, over 800,000 Chinese scientists have studied abroad and one third of them have studied in the United States. Additionally, the Chinese have partnered with the U.S. in training scientists and collaborating in engineering and technology. Georgia Tech was one of the earliest universities to establish relations with China starting in the 1970s with a partnership at the University of Beijing. Dr. Bullock explained that it is beneficial for the U.S. to collaborate with China because they are large in size, their economy is growing rapidly, they have investments in top universities, and they are positioning themselves to be a major player in science, technology, and health. She emphasized that in order for the U.S. to keep its edge in the scientific world, it takes the national will, funding,



MonARCS Janie and Chuck Wilson
with University of Georgia scholar,
Sarah Eisenstein



MonARC Frannie Graves
with Georgia Tech scholar,
Janine Johnson



The Registration
Committee is ready to
welcome the ARCS
scholars and guests.



MonARCS Mary Ellen and John Im-
lay with Dylan Shepardson of
Georgia Tech



MonARCS Peg and Keith Cooley
with Georgia Tech scholar,
Andrea Forte



ARCS President Jan Bennett
and keynote speaker,

and encouraging the interest of young U.S. scientists.

Dr. Bullock concluded her remarks with a special message for the scholars. She stated, "I encourage you to take advantage of any opportunity to go abroad as it will help you to keep pace with science internationally, and you will form rich relationships with other scientists around the world. The relationships formed will transcend political differences and transcend into world peace."

After her remarks, Bill Liss, Business, Financial & Consumer Editor, WXIA-TV and husband of ARCS member, Debbie Liss, moderated the Question and Answer Session.

Congratulations to Liz Troy, Luncheon Chair, and her committee on the success of the Scholars Annual Luncheon.



Emory University Scholars and faculty



University of Georgia Scholars and faculty



Linda Mauldin, new MonARCS, with scholar Geneva DeMars from University of Georgia



Georgia Tech Scholars and faculty



Moderator Bill Liss takes questions from the audience



Morehouse College Scholars and faculty



Siemens Fellow, Khalid Sorensen, and Mike Troy

January Annual Meeting and Luncheon at Northern Trust Company



Dr. Rich DeMillo

The annual meeting, organized by Jeanne Berry, consisted of an open board meeting, luncheon and presentation by the guest speaker, Dr. Rich DeMillo, Imlay Dean and Distinguished Professor of the College of Computing at Georgia Tech. Anne Boyd, chair of the Task Force on Governance and Organization, introduced the new organization chart, bylaws and standing rules that have been developed in conjunction with Parliamentarian Eileen Christman and Nominations Chair Kathy Berry. Job descriptions have been revised and updated and a new VP for Administration has been added. This new VP will be responsible for maintaining our policies and procedures and for overseeing strategic planning, document retention and archives, website maintenance and ensuring compliance with National requirements. The highlight of the

business meeting was Pat Leake's announcement that Anne Boyd was selected as the 2008 ARCS Light. Congratulations, Anne!

Dr. DeMillo (husband of member Ronnie Martin) talked about two technology curves – Exponential Growth and Exponential Decay. Members were fascinated to hear how far we have come in computer science in the last 30 years. The number of circuits continues to grow exponentially, so we are able to do things a billion times faster than 30 years ago. As we are head into the future, denser technologies are being developed so computers will continue to get more powerful. Following a brief Q and A session, President Jan Bennett thanked Dr. DeMillo and adjourned the meeting.

ARCS Members Visit Georgia Tech

On February 20, nearly 30 ARCS members gathered at the Georgia Tech Strategic Energy Institute for a presentation by Dr. Sam V. Shelton, founder of the institute.

We began the morning in the lobby of the College of Management where Architect Howard Wertheimer welcomed us and talked about the recently installed, magnificent Chihuly chandeliers. It was a perfect segue for the ARCS retreat to Seattle in April where attendees will visit the Chihuly studio.

Dr. Shelton's presentation was on the latest developments in Alternative Energy, which includes Bio-fuels, Wind, Solar, and Carbon Management. The solutions for reducing the demands for energy are diverse and technology is at the core. Dr. Shelton explained that the mission of this institute is to take an interdisciplinary approach and work with business to integrate engineering and the sciences to develop solutions and influence public policy.

The institute is working with the Southern Company on a proposal for wind farms off the Georgia coast that may someday provide us with electrical power. Coal gasification will also provide a cleaner, more efficient fuel to produce electricity in the future.

The demand for oil is related almost exclusively to transportation. World oil production is peaking, but demand is growing. That is why the cost of a barrel of oil is now \$100. Dr. Shelton predicts that by 2010, the cost of a barrel of oil will be \$200. Short-term solutions include the development of cellulosic ethanol from southern pines, a much more efficient source than corn. Long-term solutions include increasing the production of smaller cars and hybrid cars. Even if we begin to introduce these higher efficiency cars right now, it will take until 2025 to feel the impact on reduced consumption due to the number of conventional cars on the road now.

We adjourned for lunch realizing the gargantuan task ahead of us in order to leave our children and grandchildren with a healthy environment and adequate supply of energy. A special thanks to Susan Higley and Sally Boice for organizing this informational event.



Sally Boice, Howard Wertheimer, Jan Bennett, and Susan Higley in front of the Chihuly chandeliers

Greetings From Our National President

Greetings from ARCS National. Your National Board and its Advisory Council have worked through two quarterly meetings now, October in Pentagon City, VA and January in Phoenix, and we have some meaningful developments to share with all of you.

First and foremost are the exciting plans to celebrate our history-making 50th Anniversary in Pasadena, CA – our birthplace – June 4-7, 2008. Judith Miller and her sizeable committee have secured an historic and fabulous hotel for our lodging and a mind-boggling array of activities and educational opportunities for you and your guests. By the time you read this you will probably already have the information in hand. We hope to have historic numbers of you with us at this most special NAM.

As part of the celebration of our 50th, the NB Endowment Committee has just launched a campaign entitled “\$50 for 50” to raise \$50,000 for our National Endowment. The National Board has opened this campaign with every member of the Board and Advisory Committee contributing, to a total

of \$10,500! We hope each of you will want to make an Anniversary gift as well to help realize our goal. A larger endowment will afford us the opportunity to offer even more benefits for your chapter and presidents.



Another 50th anniversary initiative by the Communications Committee has been to explore the possibility of a new logo to represent our organization. We are proceeding with this process and plan to vote on some proposals at our March meeting in New Orleans.

Other committees report good progress on their agendas. A Bylaw change was approved in January, adding the office of President Elect to

our NB Structure. The Nominations Committee has since been working on a 2008-2009 slate of Officers and Directors, which will be announced in March and voted on at NAM. At the request of your presidents, a “donor clearinghouse” is being developed to help your Funds Development committees and will be posted on our intranet. New chapters are being actively pursued in Minnesota and Florida. Policies & Procedures is developing a National Document Retention Policy, which chapters will be able to use a model. Proposals for a new ARCS Foundation generic ad and video are on the table. And there’s more! Most of what we do is to fulfill a primary intent of the National Board - to provide support for you and your chapter.

Our next NB meeting is in New Orleans in March. After that, we look forward to seeing everyone in Pasadena!

Best always,

Janie Wilson
President
ARCS® Foundation, Inc.

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Lynn Cornett,
Recording Secretary

Pam Jenkins, Treasurer

Eileen Christman,
Parliamentarian

Save the Date!
Scholars Luncheon
Tuesday, 11/11
(Note Date Change)

Achievement Rewards for College Scientists

ARCS Atlanta Chapter

P.O. Box 52125

Atlanta GA 30355

Anne Boyd is 2008 Atlanta ARCS Light

On January 18, the ARCS Light Committee met to select the 2008 ARCS Light. The committee was comprised of past ARCS Lights and chaired by Pat Leake, 2007 ARCS Light. Nominations were submitted to the committee from the chapter members. In announcing this year's ARCS Light at the January meeting, Pat Leake explained, "It was an inspiring task and the only difficulty was that all those nominated were extremely deserving. After discussion, a consensus was reached, and we are very pleased to announce that Anne Boyd is the 2008 ARCS Light." Anne has been an ARCS member since 1992. During that time, she has held nu-

merous positions including VP of Education, Scholars Luncheon Chair, Administration Chair, Funds Development Co-Chair, Field Trips Chair, and Alumni Scholars Chair. In addition, Anne served on the High-

lands Retreat Committee and the 15/50 Celebration Committee. Currently, she is chair of the Governance and Organization Task Force. We thank Anne and honor her for her many contributions over the years.

