



South Carolina Academy of Science

Vol. 34, No. 3

Newsletter

Fall, 2008

Nov. 2008 Registration and Abstract Submission for 2009 Annual Meeting Begins

Nov. 7 2008 SCAS Council Meeting, SCAS Office, Columbia, SC

Dec. 5 2008 Governor's Award for Excellence in Science Awareness Nominations Due

Dec. 12 2008 Teacher of the Year Award Nominee Deadline

Jan. 2009 SCAS Long Range Planning & Council Meeting Columbia, SC

For the latest Academy news, be sure to check the **NEW SCAS** website at: www.scacadscience.org



A Letter From the President:

Dear Academy Members,

It is my privilege to have this opportunity to address you and to indicate that the "State of the Academy" is as strong as ever due to the sound leadership principles of my predecessors. In this regard, I want to express my sincere appreciation to my immediate predecessor, Tom Reeves, and to our president-elect, Lucia Pirisi for their tireless efforts in maintaining and implementing programs of excellence for the Academy - I am indeed proud to be a part of this team. Much has happened over the last few months and I thought that I would take this opportunity to summarize a few of the decisions which have been made to prepare the Academy for the New Year.

In way of background, let me begin by saying that we were notified in early July that the Education Incentive Act (EIA) would not include a \$100,000 provision (which has been a part of the state budget over the last 6 years) to support the activities of the Academy. As you know Don Jordan has, for many years, been our champion for these funds. Because of the State's financial shortfall, we were removed from this year's budget, and it is likely that this will again be the case next year. Unfortunately, we were notified of the Legislature's decision until the 11th hour (July 6th) and had no chance to begin a rationale effort to solicit funding from other sources.

In an attempt to quickly restore program funds and maintain operational integrity, the Academy approached the SC Research Authority (SCRA) to request financial assistance. Two staunch Academy allies, Bill Mahoney, President SCRA, and Dave McNamara, Director of SC Launch, an SCRA affiliate, immediately responded with a \$55,000 grant. In all honesty, I must tell you that if it were not for the generosity of SCRA and SC Launch, the Academy would be struggling. Because of their support, the Academy will continue operations in a seamless manner and will be able to maintain the programs that both the Junior and Senior Academy have enjoyed in the past.

In addition to their grant, SC Launch has agreed to allow the Academy to rent one of their offices on the 5th floor of the Marion Building on Lady Street in downtown Columbia. This is a wonderful setting for the Academy office and provides a central location for operational management. Colleagues, the Research Authority has indeed "stepped up to the plate" in these difficult financial times...their commitment to the Academy is another indication of their strong belief in science training and education as a life-line for new technology ventures to enhance economic development for the citizens of

(continued page 10)

G o v e r n o r ' s A w a r d

Call for Nominations for the Governor's Award for Excellence in Science -- 2009

The award was established in 1985 by the Drug Science Foundation to honor specifically an individual or team within the state whose achievements and contributions to science in South Carolina merit special recognition and to promote wider awareness of the quality and extent of scientific activity in South Carolina. Since 1989 the award, named the "Governor's Award for Excellence in Science", has been under the joint sponsorship of the Governor's office and the South Carolina Academy of Science. In 1993 these groups were joined by the Dewees Development Corporation and Harbor Watch of Charleston. In 2000 Roche Carolina Inc. took the lead, in 2004 MeadWestvaco joined and in 2005 Michelin North America joined in sponsorship of the Governor's Awards.

Beginning in 1990, two of these awards were given annually with one being for scientific discovery and the other for scientific awareness. In 2005 the Academy, in conjunction with the Governor's Office, initiated the sponsorship of a third award directed to a gifted young researcher (only those individuals who have completed no more than 12 years beyond the Ph.D.). The award is called the Governor's Young Scientist Award for Excellence in Scientific Research and was sponsored by Michelin North America. The awards consist of an honorarium of \$1,000 and a handsomely framed certificate which is presented to the recipient at a special awards ceremony held in the spring in conjunction with the South Carolina Academy of Science's annual meeting.

Candidates should be currently working in South Carolina or have conducted a substantial portion of their work within the state. Contributions may be in any area of science and may be for service to science through non-formal education in the various media, for exemplary exposition at the college or university level, or as an acknowledgement for significant outstanding formal research. The award may be given to an individual or a team. If the award is made to a team, the honorarium will be distributed equally.

Please send your nomination to the Chair of the Governor's Award Committee, Dr. Don Jordan, USC Center for Science Education, Room 323 Sumwalt Building, Columbia, SC 29208. Give complete address as well as email information.

Deadline for receipt of nominations is December 5, 2008.

The 2009 nomination forms and a list of past winners can be found at www.scacadsci.org under Awards. Or www.hrsm.sc.edu/jordan under Gov Award.

The Three Awards:

- A. The 2009 Governor's Awards for Excellence in Scientific Research (ESR)
- B. The 2009 Governor's Award for Excellence in Scientific Awareness (ESA)
- C. The 2009 Young Researcher Award for Excellence in Scientific Research (YESR)

Send your nominations to:

Dr. Don M. Jordan
USC
Center for Science Education
Sumwalt, Room 323
Columbia, SC 29208
Jordan@gwm.sc.edu



2008 MESAS MAIL-IN CONTEST
TOTAL NUMBER OF ENTRIES: 794
Winners Announced May 2008

By Dr. Don M. Jordan, MESAS State Director

The State-wide MESAS mail-in contest was held this winter & spring. There were 794 entries, with 367 students from grades 4-6 and 427 students from grades 6-8. This year, the contests proved to be especially challenging and enclosed a broad range of topics with an emphasis on Microbiology, Anatomy and Physiology. We would like to extend our most sincere appreciation to the creators of the 2008 MESAS Mail-in Contest. They are: Dr. Lucia Pirisi-Creek – South Carolina Cancer Center, Linda Sinclair – Department of Education, and Dana Hutto – USC's Center for Science Education and Director of South Carolina Science Council.

Awards were given in four categories; Grand, State, Regional and School Winners. A unique feature of the contest is that every school that participates is guaranteed at least one winner. The Grand Prizes went to 14 students from FIVE regions who submitted the top overall papers. Region I: David McLeod & John Isenhower of Cambridge Academy & Josh Lusk of R.C. Edwards Middle School; Region II: Brooke Ragsdale of Brookland Cayce Grammar School #1, Afia Khan of E.L. Wright Middle School, Sara Kosnosky of Hand Middle School, Elizabeth Nichols & Kaitlin Kunkle of Mid-Carolina Middle School & Keri Register of Westin Academy; Region V: Eran Artigues of Charleston Catholic School, Sarah Graham of Crestwood Christian Academy & Jeff Waters of Rollings Middle School of Arts; Region VI: David Watkins of Johnston Elementary School; Region VII: TJ Melanson of Hilton Head Middle School. The above students are this year's Grand Prize Winners. Congratulations!

The contest scores were very good overall and a large percentage of the entrants qualified for an award. We had 340 winners out of 794 participants (approx 43% of the total number of participants were winners). Certificates and prizes were mailed out to each student's principal so that the awards could be presented at each school's Awards Assembly. We congratulate each and every contestant for his or her excellent effort! We encourage every student in all South Carolina schools to participate next year.



**John Safko, SCAS
Treasurer**
by Don Jordan

The South Carolina Academy of Science salutes its longtime treasurer Dr. John Safko. Dr. Safko stepped down as SCAS Treasurer on July 31, 2008. John has been the key contact for the South Carolina Academy of Science for more than three decades. We will miss his countless hours of service, dedication, and expertise. The South Carolina Academy of Science salutes our colleague and friend Dr. John Safko.

In other news, SC Academy of Science Center at USC (under the Center for Science Education/CAS) did not receive its legislative funding for 2008-09 of \$100,000. This means that the Academy has some serious planning and financial issues. We also lost our director for the SCJAS (SC Junior Academy of Science). At this time Council is looking for a new SCJAS Director. We have to decide soon on the priorities for the outreach programs for SCAS.

ANNOUNCING

2008-2009

YOUNG RESEARCHER GRANTS-IN-AID

Sponsored by
The South Carolina Academy of Science
in conjunction with the
South Carolina Middle/Elementary Academy of Science Board

≠ **GRANTS** ≠

TO STUDENTS TO DO SCIENCE RESEARCH PROJECTS

MIDDLE/ELEMENTARY SCHOOL STUDENTS ARE ENCOURAGED TO APPLY

How! . . .

See Your Teacher or Contact Your Middle/
Elementary School Regional Director (see below)

When! . . .

Right Now . . . Get your proposal in!
Proposals are accepted year round.

How Much! . . .

Awards are for \$25 to \$100

Recognition! . . .

Special Certificate of Merit and statewide publicity releases

Western Region I

**WE ARE CURRENTLY SEEKING
NOMINATIONS FOR WEWESTERN
REGION MESAS DIRECTOR**

Smilhills Region IV
Dr. Tom Roup, Director
Biology Department
Francis Marion University
Florence, SC 29501
Ph: 843-661-1404/Fax: 843-661-1696
E-mail: troup@fmarion.edu

**Midlands Region II
and Regions I, III, VI, & VII**
Dr. Don Jordan
Center for Science Education / College of
Arts & Sciences, USC
Sumwalt Room 323
Columbia, SC 29208
Ph: 803-771-7007 / Fax: 803-771-4396
E-mail: jordan@gwm.sc.edu

Low Country Region V
Rebecca Musso
81 St. Phillip St.
Charleston, SC 29424
Ph: 843-693-5434
E-Mail: rebecca.musso@hotmail.com

If a student receives a research grant, then he or she must make a 10-minute ORAL presentation at the next SCAS/SCJAS/MESAS Annual Meeting (Spring 2009 at the University of South Carolina).

For information contact: Dr. Don Jordan at the address/phone/fax/e-mail above, or visit <http://www.hrsm.sc.edu/jordan/> (click on MESAS).

Academy News

Dear Friends of the SCAS,

We have included in this issue of the Newsletter the membership forms for this year. Including this form in our Newsletter rather than a separate mailing has helped us to reduce postage costs. We hope that you will take the time to respond, by renewing your annual membership.

Membership dues are crucial to the successful operation of the South Carolina Academy of Science. We rely on your funding and support to conduct our biannual workshops for the students across the state, as well as produce the Newsletter and Journal. We believe these endeavors are crucial to providing South Carolina students and teachers the outlets they need to pursue their interests in the sciences.

This year's statewide budget cutbacks have significantly reduced the Academy's state appropriation. However, we remain absolutely committed to continuing to provide our service to the students and teachers of South Carolina, and with the support of generous donations, we are still in full operation. Our MESAS Fall Workshop took place the weekend of October 18th, and our SCJAS Fall Workshop will be taking place on November 7th at the University of South Carolina.

We hope that you will help us to continue these valuable activities by renewing your membership with the SCAS. It is much appreciated, not only by the volunteers who run the academy, but also by the students who benefit from our operation. Thank you very much.

Sincerely,
 David Gangemi, President SCAS
 Vernon Beaty, Treasurer SCAS

SOUTH CAROLINA ACADEMY OF SCIENCE – Membership Renewal Application

(This form may be duplicated)

I support the activities and goals of the South Carolina Academy of Science and I would like to renew my membership with the Academy. Enclosed is my check for membership dues for this year.

Name: _____
 Address: _____
(Number and Street)

 Email Address: _____
 Institution: _____
 Affiliation: _____
 Fields of Interest: _____
 Signature: _____ Date: _____

	Annual Dues
<input type="checkbox"/> I wish to become a STUDENT member	\$35.00
<input type="checkbox"/> I wish to become a TEACHER member	\$ 35.00
<input type="checkbox"/> I wish to become a REGULAR member	\$45.00
<input type="checkbox"/> My spouse and I wish to become JOINT members	\$52.00
<input type="checkbox"/> I wish to become a CONTRIBUTING member	\$35 - \$100
<input type="checkbox"/> I wish to become a LIFE MEMBER	\$280.00
<input type="checkbox"/> I/We wish to become a CORPORATE MEMBER (One time gift)	\$10,000
<input type="checkbox"/> I wish to make a contribution of _____	
<small>All dues and contributions to the Academy are tax deductible</small>	

Please note that 'teacher' membership refers only to high school faculty. Membership cards will be mailed from the Academy once membership form and payment is received. Membership period is from January 1st, 2009 – December 31st, 2009. All checks should be made payable to the South Carolina Academy of Science. To renew online, please visit www.scacadscience.org

Please detach this application and mail with payment to :

Vernon Beaty, Treasurer SCAS
 184 Twisted Hill Rd.
 Irmo, SC 29063

UNIVERSITY OF SOUTH CAROLINA REGION II SCIENCE & ENGINEERING FAIR for Calhoun, Clarendon, Fairfield, Kershaw, Lexington, Newberry, Orangeburg, Richland and Sumter counties.

2008 SUMMARY OF WINNERS

By Dr. Don M. Jordan, Director

The University of South Carolina hosted the Central South Carolina Region II Science & Engineering Fair on March 7, 2008 at the State Fairgrounds, Hampton Building – a new location. Students from nine counties (listed above) competed for over \$30,000.00 in scholarships, savings bonds and trip awards.

Seven hundred and four (704) students and one hundred thirty-three (133) teachers participated in the fair, which included 66 Schools, (53 Middle / Elementary Schools and 13 high schools). The students were selected by two-hundred thirty-five (235) judges comprised of college professors, medical scientists, U.S. Army, Marine and Air Force Officers, as well as business leaders from the Midlands community. Awards were available in 54 major categories, such as Engineering, Women in Science, Vision Science, Chemistry, etc. Most awards had Junior, Senior and Team subcategories, often with 1st, 2nd, 3rd and Honorable Mention standings awarded. There were a total of 340 awards given among those varied categories and standings. Students with very good projects had a possibility of winning awards in one or more categories. There were best overall standings for grades 5-12, as well as for best individual Junior Division, Senior Division and Team Division projects.

Participation in science fairs on the local, regional and national/international levels presents opportunities to students for travel and interaction with scientists from both academic and industrial backgrounds. The next level of competition is at the International Science and Engineering Fair (ISEF), which is held annually and features the best regional/national student projects from around the world. Our regional judges selected seven students and two teachers to be in the Official Party to represent South Carolina at ISEF in Atlanta, Georgia, May 11 - 17, 2008.

The University of South Carolina, with support from the South Carolina Academy of Science, sent the following

students to ISEF: Grand Prize Team Senior Division winners, Larry Russell, Baichard Donald and Jordan Blyther of W.J. Keenan High School, Grand Prize Female Senior Division winner Shivani Agarwal and Grand Prize Male Senior Division winner David Richman of Spring Valley High School. Students to be sent as official observers are Soorya Avali of Spring Valley High School and Afia Khan of E.L. Wright Middle School. USC will send Lisa McAlpine of Spring Valley High School and Dr. Martin Cwiakala of Keenan High School to lead the official ISEF party for the State of South Carolina. In addition, students Eric Shine and Valentin Lazar of Spring Valley High School, Stacey Montebello of Artefix Academy, and Theresa Stratmann of Dutch Fork High School have won Male and Female 2nd & 3rd place awards, respectively. This year Shivani Agarwal won third best in the world in the category of Chemistry.

USC - YOUNG SCIENCE CHALLENGE

We nominated 60 middle school students to compete in Society for Science & the Public's 2008 Middle School Program (SSP-MSP). Each of the sixty students received an honor certificate, a DCYSC T-shirt, a lapel pin recognizing their achievement and an entry form to compete with 6,000 other students at the international level.

300 Young Scientists Compete for National Recognition and Top \$20,000 Scholarship
Including three (3) from USC Region II Science & Engineering Fair

This year's semifinalists From the USC Region II Science & Engineering Fair included Aggarwal, Arjun (Grade 8) Pleasant Hill Middle School – Lexington, Teacher Ron Rollison, How Can Electricity Be Transmitted Wirelessly?

Jillian Derrick (Grade 5) Batesburg - Leesville Elementary - Leesville Soggy Soil: Soil Percolation Rates and teacher Susanne Kneece and Afia Khan (Grade 8) E.L. Wright Middle School – Columbia, teacher Betty Smith - A Comparison of Pressure Drops Within Channels in Fractal and Parallel Arrangements.

These three were selected from 1,943 entrants representing 253 affiliated science fairs across the United States and Puerto Rico. The 300 semifinalists represent 42 states and Puerto Rico and include 177 males and 123 females. These top young scientists, in 5th through 8th grades when their entry was submitted, won the nomination by excelling at their regional or state science fair. Each entrant submitted written essays of their science, math, and engineering projects. This

(continued next page)

Academy News

is America's premiere science competition for middle school students. As the best and brightest young scientific minds in the nation, each of the 300 semifinalists, and their teachers, are honored for their dedication and achievement.

USC Region II Winners of Grand Awards Junior Division Afia Khan (E.L. Wright Middle School, Sponsor Betty Smith) research project entitled A Comparison of Pressure Props Within Channels in Fractal and Parallel Arrangements, won First Place. Mary Louise King, (Crossroads Middle School, Sponsor Cynthia Carter) research project entitled Are Dogs Really Man's Best Friend or Carriers of Salmonella?, won Second Place. Joseph Nelson (Dent Middle School, Sponsor Susan Yelton) project entitled Did You See That?. Also, the Best Project Awards by Grade were given as follows: 5th Grade – Lena Breuer of Leaphart Elementary School, 6th Grade – Mary Louise King of Crossroads Middle School, 7th Grade – James Fleming of Manning Junior High School, 8th Grade – Afia Khan of E.L. Wright Middle School. In addition, out of over 500 junior division participants from nine counties, the above three grand awards winners join sixty additional students that will represent South Carolina in the USC - Young Science Challenge during the summer of 2008.

USC Science & Engineering Fair tours for Science Fair Students

The University of South Carolina sponsored six active and hands-on tours on March 7, 2008 for High School Students and Middle School Students who advanced to the USC Region II Science & Engineering Fair. The tours were scheduled between 12:30 PM to 5:30 PM on the afternoon of March 7, 2008.

Tour # 1: Geographic Information Systems (GIS) - Tour Hosted by the U.S.C. College of Arts & Sciences / Dept of Geography presented by Kevin Remington, GIS Campus Coordinator

Tour # 2: USC School of Medicine, Restricted Sections of the Medical University. Careers in the Health Professions, Richard A. Hoppmann, M.D. Associate Dean for Medical Education and Academic Affairs, and Pathology/Plastinated Human Specimens, Tim Sullivan, Ph.D.

Tour # 3: Electron Microscopy Center – Hosted and presented by Dr. Donggao Zhao – Basement of Coker Life Science Building, USC Campus

Tour # 4: Graduate Science Research Building Tour - Sponsored by the College of Arts & Sciences and the Dept. of Chemistry, Tour Host: Dr. Scott Goode – Graduate Science Research Building, USC Campus

Tour # 5: Extreme Engineering: Holland's Barriers to the Sea - Sponsored by the College of Engineering & Computing and hosted by Jennifer Illian: Computer Science & Engineering Dept. – Room 1A00, College of Engineering & Computing, USC Campus

Tour # 6: The Herbarium - Hosted and presented by Herrick Brown, Assistant Curator & Jeff Brannon, Collections Manager, College of Arts and Sciences – 208 Coker Life Science Building, USC Campus

“WE COULDN'T DO IT WITHOUT YOU!”

Many dedicated people provide much-needed support for the USC Region II Science & Engineering Fair. These people make it possible! Special thanks go to:

President Dr. Andrew Sorensen
Provost Mark Becker
Dean Michael D. Amiridis
Dean Mary Anne Fitzpatrick
Dean Chris Plyler
Dr. Donald J Dipette
Dr. Harris Pastides
Marie McGehee
Dean Peggy O Hewlett

Sincerely,
Don M. Jordan, Ph.D.
Director, USC Region II Science & Engineering Fair.

Teacher of the Year

Dear Academy,

The South Carolina Academy of Science is accepting nominations for the 2009 Award for Excellence in Secondary School Math or Scientific Inquiry. Nominees should excel at leading students through the process of scientific inquiry in the classroom, and by participation in science fair or research grant activities.

The award consists of a monetary stipend, a plaque and a citation honoring the achievements of the selected Teacher of the Year. The awardee will also receive an all-expenses paid trip to the annual AAAS (American Association for the Advancement of Science) meeting. The recipient will be honored at the annual meeting of the South Carolina Academy of Science on April 16, 2009 at the University of South Carolina, Columbia.

Nominations will be accepted from principals, science coordinators and colleagues, as well as from parents or former students. No nominations from currently enrolled high school students will be accepted. After nominations have been received, each candidate will be asked to submit a biography and at least one letter of recommendation, including employment verification, to the Selection Committee for evaluation.

If you wish to nominate a Math or Science teacher from your school or district, please complete the enclosed form and return it to me POST-MARKED by **December 12, 2008**.

The Academy of Science is confident that every school has an outstanding teacher who utilizes laboratory experiences, science fair activities or research grants to lead young people through scientific inquiry. It is the intent of the SCAS to honor and recognize those who excel in this approach to learning through discovery.

Sincerely,

Linda D. Sinclair
Chairman, TOY Selection Committee
SC Department. of Education
801-H Rutledge Bldg., 1429 Senate St.
Columbia, SC 29201
(803) 734-0887 (office) lsinclai@ed.sc.gov

Teacher of the Year Nomination Schedule:

Fall, 2008

Solicitation of nominations

December 12, 2008

POSTMARK and FAX
DEADLINES for nominations.

February 1, 2009

POSTMARK and FAX
DEADLINES for candidates'
biographies and
recommendations.

February 2009

Final Selection Committee
Meeting.

February 2009

Notification of Awardee and
School Principal

Teacher of the Year Nomination Form

Nomination for 2009 Award for Excellence in
Secondary School Science or Math Discovery

(MR) (MRS) (MISS) (MS) (DR)

Full Name of Nominee _____

Name of High School _____

Telephone Number _____

Street Address, City, County, Zip Code

Please list the current teaching assignments for this nominee.

Course Grade Level

I nominate the above named teacher for the South Carolina Academy Science Teacher of the Year and I am submitting the following statement in support of my nomination. (Please type. If additional space is required, use 8-1/2" x 11" white bond paper. Each additional sheet must be signed.)

Typed Name and Signature of Individual Submitting this Nomination

Title or Position

Telephone Number

Date

Mail or Fax to:

Linda Sinclair, State Dept. of Education, 801-H Rutledge Bldg., 1429 Senate St., Columbia, SC 29201

Telephone: (803) 734-0887 FAX (803) 734-5953

DEADLINE FOR NOMINATIONS IS **December 12, 2008**



Join SCAS Today!

Membership Levels:

Regular \$35

Students and Teachers \$15

Contributing and Joint \$50

Life \$525

All active members will receive a
new membership card.

Join online at:

<http://www.scacadscience.org>

You may pay by mail with a check
or online.

Make a commitment to
support the activities & goals of
the South Carolina Academy of
Science and become a
member today!

(continued from page 1)

South Carolina. I ask that each of our members take a minute to send a card or short note to Bill and Dave and express your appreciation for their generosity. Also, let's give a "hats off" show of appreciation to Don Jordan for all the great work he continues to do to keep the state legislature aware of our needs. I'm confident that state funds will again flow as soon as our economy returns to normal.

In other news, we have appointed a part-time business manager for the Academy, James Powell, who is completing his Masters degree at the USC School of Medicine. James is off to a terrific start and we are delighted with his enthusiasm and organizational skills. James will be manning the new SCAS office in the Marion Building and working closely with myself, Lucia Pirisi, Justin Wyatt (our newly elected VP) and Don Jordan on SCAS, SCJAS and MESAS programs. I must tell you that it was Tom Reeves' persistence in looking for suitable candidates that allowed us to recruit James. Tom is using this same persistence to help identify a candidate for the position of Executive Director of the SC Junior Academy. If all goes well, we hope to announce this person by the next Council meeting scheduled for November 5th. In this regard, another "hats off" goes to Karen Fox for all that she has contributed to SCJAS over the years. Karen's dedication and enthusiasm has been infectious...never before has a pizza party instilled so much excitement and anticipation in the careers of our Junior Academy members.

Another change which is being implemented, involves the creation of an electronic journal. Dr. Hanno Zur Loye has agreed to be the new SCAS Journal Editor and will publish quarterly editions to include articles on the Governor's award winners, undergraduate research, science policy, and other areas of general interest to our members. Here again we owe the "hats off" award to Dave Ferris for all that he has done to keep the Journal alive and in good standing over the past dozen or so years.

Finally, let me close by saying that we have another exciting annual meeting lined-up and Lucia Pirisi has gotten the best of the best to participate in a statewide conference scheduled for April 14-16th in Columbia at the Convention Center. This year's theme will be "Regenerative Medicine" and we will have participation from multiple science organizations in the state. Believe me when I say that this is shaping up as one of the best annual meetings yet, and I urge all of you to read Lucia's comments on speakers and meeting arrangements included in this newsletter. Cudos to Lucia and her team in organizing an event which will capture national and regional attention. Please be sure to watch for meeting announcements and register early for this meeting since we are expecting 2-3 times as many participants as in last year's annual meeting. Also included in the 2009 annual meeting will be another Teachers' Workshop...suggested topics include nanotechnology, structural biology, and hydrogen fuel cells.

Many thanks to all who have stood by us in some rather uncertain financial times. We have lots to be thankful for and many to thank...let's make this the best year yet for the Academy.

With my very best wishes to all,
Dave



South Carolina Academy of Science Officers

President

J. David Gangemi
Clemson University
Microbiology and Molecular Medicine
Clemson, SC 29634
work 864-656-6344
fax 864-656-3808
gangemj@clemson.edu

Immediate-Past President

Thomas Reeves
Science Department
Midlands Technical College
Columbia, SC 29202
work 803-822-3554
fax 803-822-3422
reevest@midlandstech.edu

Vice President

Justin Wyatt
Dept. of Chemistry & Biochemistry
College of Charleston
Charleston, SC 29401
work 843-953-6587
fax 843-953-1404
wyattj@cofc.edu

Past President

Hans-Conrad zur Loye
Dept. of Chemistry
Columbia SC 29208
work 803-777-6916
fax 803-777-8508
zurloye@sc.edu

President-Elect

Lucia Pirisi-Creek
SC Cancer Center
Columbia, SC 29203
work 803-434-4278
fax 803-434-3795
pirisi@med.sc.edu

SCAS Business Manager

James T. Powell
jpowell@scacadscience.org

Secretary

Chasta Parker
Dept. of Chemistry
Winthrop University
Rock Hill, SC 29733
work 803-323-4955
fax 803-242-2114
parkerc@winthrop.edu

Treasurer

Vernon Beaty
Bureau of Water
SC DHEC
Columbia, SC 29201
work 803-898-4100
fax 803-898-4200
beatyv@midlandstech.edu

Newsletter Editor

Mike Farmer
Governors School for Arts/Humanities
Greenville, SC 29601
work 864-282-3732
fax 864-241-1235
farmermh@aol.com

AAAS, NAAS & MESAS Director

Don Jordan
USC-Columbia
Center for Science Ed.;CAS
Columbia, SC 29208
work 803-777-7007
fax 803-777-4396
jordan@gwm.sc.edu

Bulletin/Journal Editor

David Ferris
USC Upstate
Div. of Natural Sci. & Engineering
Spartanburg, SC 29303
work 864-503-5685
dkferris@uscupstate.edu

Councilors:

Karin Beaty, Midlands Tech College
Melissa Riley, ClemsonUniv.
Donald Castillo, Wofford College
Val Dunham, Coastal Carolina Univ.
Radman M. Ali, Morris College
Judith Pearl Fernandes, USC Sumter
Vivian Counts, Benedict College
Briana Timmerman, USC Columbia
David Stroup, Francis Marion Univ.
James Privett, USC Sumter
Karen Fox, USC School of Medicine
Chin Fu Chen, Clemson Univ.

Committee Members:

Linda Sinclair, State Dept. of Education
John C. Inman, Presbyterian College
Tom Falvey, SC State Museum
David Ferris, USC Upstate
Tina Webb-Browning, Science Fair
Coordinator
David McQuillan, USC Columbia
Val Dunham, Coastal Carolina Univ.

SCJAS Directors:

Tom Reeves, SCJAS Executive Director
Tammy Taylor, SCJAS Program Director
Karen Fox, SCJAS Research Director

MESAS Directors:

Don Jordan, Midlands MESAS
Tom Roop, Sandhills MESAS
Rebecca Musso, Lowcountry Hall of
Science and Math, SC



THE SOUTH CAROLINA ACADEMY OF SCIENCE

Mission Statement

- *To promote the creation and dissemination of scientific knowledge within the state of South Carolina by stimulating scientific research and publication.
- *To improve the quality of science education in the state of South Carolina.
- *To foster the interaction of business, industry, government, education and the academic scientific community.
- *To improve public understanding and appreciation of science for its utilization in human progress.
- *To encourage young people to become involved in science through support of the Junior Academy of Science.

Visit our NEW website: www.scacadscience.org



South Carolina Academy of Science
NEWSLETTER
Vernon Beaty, Treasurer
Bureau of Water
SC DHEC
Columbia, SC 29201

PRESORTED
FIRST CLASS MAIL
U.S. POSTAGE
PAID
PERMIT #25
TAYLORS, SC 29687