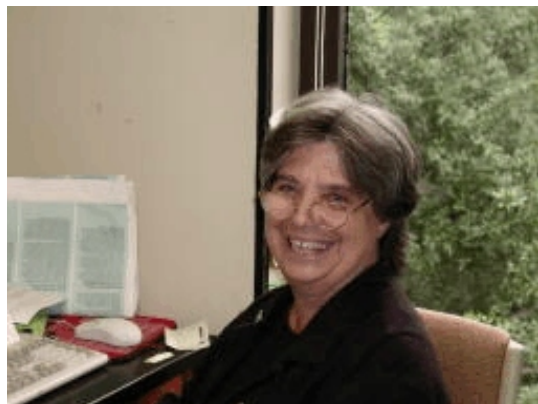


The CofC Chemist

Winter 2006-2007 Newsletter

Department of Chemistry & Biochemistry, College of Charleston, Charleston, SC 29424

PROFESSOR ELIZABETH MARTIN TO RETIRE



Betsy Martin, Associate Professor of Chemistry & Biochemistry, will retire at the end of the spring semester 2007. She joined the Chemistry Department in 1975 and has taught and influenced the lives of countless students. She will use retirement to enjoy all the more her two grandchildren. Her husband, Hank, will also be retiring from MUSC.

Prof. Martin received her A.B. from Winthrop and has an M.A.T. from Duke and an M.S. from Georgia State University. She taught in public schools before coming to the College.

Betsy has numerous awards, college-wide, state-wide, and nationally, to her credit:

- 1988 Distinguished Teaching Award, College of Charleston
- 1988 Distinguished Service Award, College of Charleston
- 1994 Distinguished Achievement Award, School of Sciences and Mathematics, College of Charleston
- 1995 Charles Townes Award for Support of Science and Mathematics Education
- 1995 Helms Citation of Excellence of the South Carolina Science Council
- 1996 Governor's Award for Excellence in Science Awareness, South Carolina Academy of Science
- 1999 Distinguished Advising Award, College of Charleston
- 1999 Catalyst Award for Excellence in Teaching given by the Chemical Manufacturer's Association

From 1991-1993 she served as a mentor for the United States Chemistry Olympiad Team. The 1993 team that competed in Perugia, Italy, for which she served as the head mentor, achieved its best record ever up to that time.

In addition to the impact she has had on students at the College of Charleston, Prof. Martin has indirectly influenced the careers of many untold numbers of students through the way that she has helped advance chemical education through her participation with the South Carolina Science Council, the South Carolina Association of Chemist Teachers, and the numerous workshops that she has hosted at the College of Charleston. The statewide and national awards are an acknowledgment of those efforts.

Besides those organizations mentioned in the preceding paragraph Prof. Martin is also a member of the American Chemical Society, National Science Teachers Association, Alpha Chi Sigma, Omicron Delta Kappa, and the Honor Society of Phi Kappa Phi.

Please read the Letter from the Chair elsewhere in this newsletter, to see how you might participate in honoring her upon her retirement.

ALUMNI NEWS

Ed Murray ('71) teaches honors physics and physical science at Charleston School of Arts. He was an adjunct at the College in fall 2006.

George Cobb ('82), a Professor of Environmental Toxicology at Texas Tech University, has been elected to the Board of Directors for the Society of Environmental Toxicology and Chemistry, North America.

Bruce Newton ('82) teaches physics and AP physics at the Academic Magnet High School in Charleston, SC.

Scott Kellner ('85) is a physician practicing in Clinton, SC.

Thomas J. Manning ('85) is an Associate Professor at Valdosta State University. Several of his students made presentations at the 2006 Southeastern Regional Meeting of the American Chemical Society in Augusta, GA.

Sheila O'Grady-Irwin MD ('85) was inducted as a Fellow in the American College of Physicians and practices medicine in Greenville, SC.

Birdella D. Kenney ('87) is a Scientist with Johnson and Johnson Pharmaceutical Research Development in Spring House, PA..

Maggie Morea ('87) is director of health operations in health administration for Brooks Eckerd in Warwick, R.I.

Laura McConnell Workman ('87) is with the United States Department of Agriculture in Beltsville, MD and is Vice Chair of the Agrochemicals Division of the ACS .

Joanna Freeman Cartrette ('91) lives in Wilmington, NC with her husband and two children.

Scott A. Baker ('93) is a scientist at Rhodia Inc. in Charleston, SC.

Blakely Adair ('94) is with the Pharmacokinetics Branch of the Experimental Toxicology Division/ National Health and Environmental Effects Research Laboratory U.S. Environmental Protection Agency at Research Triangle Park, North Carolina.

Kimberly Rutan Worsencraft ('94) and her husband had their first child, Haley Elizabeth, born in November 2006.

Michael A. Miller ('95) is Director of the Anderson/Oconee Regional Forensics Laboratory.

Wes Adams ('97) is teaching at Greenville Tech in Greenville, SC.

Jason Halberda ('97) is Assistant Professor Dept of Psychological & Brain Sciences at Johns Hopkins University. He received his Ph.D. from New York University.

Jeff Taylor ('97) is teaching AP chemistry, honors chemistry, and honors physics in Loudoun County Virginia.

Douglas R. Hurst ('98) is a recipient of a National Research Service Award as an National Institutes of Health Postdoctoral Fellow doing research on metastasis suppressors at the University of Alabama at Birmingham. He received his Ph.D. from Florida State University.

Mike Moskal ('98) is with the Trace Evidence Lab with the South Carolina State Law Enforcement Division.

Andy Game ('99) has been admitted to dental school at MUSC.

Carrie Halkyard ('99) has a masters from Indiana University, is married with one daughter, Kaelin, and now resides in New Hampshire.

Jason K. Vohs ('99) is an Assistant Professor of Chemistry at St. Vincent College in Latrobe, PA.

Stefan Pastine ('01) was awarded an NIH Postdoctoral Fellowship to study at UC-Berkeley. He received his Ph.D. from Columbia University.

Jenny Downs Shell ('01) received her Ph.D. from Emory and is a Visiting Professor at Franklin and Marshall University.

Faith Corbo Gaenzler ('02) will receive her Ph.D. from the University of Connecticut and will then work as a development chemist with Avon.

Maria Marsh Godfrey ('02) has enrolled in the doctor of pharmacy program at the University of Colorado Health Sciences Center.

Erica Griggs Kempa ('02) received a masters degree in biomedical sciences from MUSC in December 2006.

Camille Jackson Worthington ('02) graduated from the Medical University of South Carolina, College of Dental Medicine in May 2006 and is practicing as a General Dentist in Clemson, SC. While at MUSC she received the Eleanor J. Bushee Senior Student Award for Academic Excellence and Outstanding Leadership and the Award for Excellence in Removable and Fixed Prosthodontics.

Natasha Cobb Chatman ('03) is enrolled in the Masters of Education in Science and Mathematics at the College of Charleston and teaches chemistry at Summerville High School.

Monique Phillips ('04) is a graduate student at the University of Georgia.

Michelle Meierhoefer ('05) is a research associate and corporate recruiter for Chevron Oronite Company in Richland, California. She made a presentation in fall 2006 at the College as part of our fall seminar series.

Alexis Hoferlin ('05) is a graduate student in the biochemistry program at MUSC.

Kevin Young ('05) is a graduate student at Stanford.

Jennifer McCloskey ('05) is a chemist with High Purity Standards in Charleston.

Let us hear from you. Please send your latest news to deavorj@cofc.edu

SUPPORT STAFF

Jennifer Neal is our administrative assistant. **Jeff Tomlinson** ('89) is our office and stockroom manager. Our evening stockroom manager is **Derrik Weddle** ('06). **Don Barrett** is our electronics technician. **Stephen Jones** is the Director of our Facility for Chromatography and Nuclear Magnetic Resonance. We are fortunate to have such a dedicated team of support personnel and are appreciative of their efforts.

On a sad note, **Wanda Emons**, who retired a couple of years ago after serving as our long-time administrative assistant, died last spring after a lengthy illness. Wanda was a dedicated employee who loved her job. She was highly efficient and helped to keep the rest of us on our toes. She cared about the faculty and students in the department and was extremely proud of us and loyal to us. She loved her family and she loved us. Wanda was proud of her recognition as a Professional Secretary and totally exemplified that recognition. Her memorial service in Summerville was attended by a number of faculty and staff. While we miss her we give thanks for every remembrance of her.

A LETTER FROM THE CHAIR:

Dear Chemistry/Biochemistry Alumni,

There are two items of interest to share with you. First, on January 24, 2007 the City of Charleston's Board of Architectural Review (BAR) gave conceptual approval for the new science center to be located on K-lot. This is a very important development since it enables us to move forward aggressively with design development and is a critical milestone toward breaking ground for the building in Summer of 2007. The K-Lot is the parking lot across the street from the new Addleston Library which sits where the old Bishop England High School once stood.

Two architectural firms are involved with the project: Ballinger, Inc. of Philadelphia and Liollo and Associates of Charleston. We must return to the BAR twice more for a preliminary design review and final review, but this approval represents a major step forward.

The Chemistry Department will completely relocate to the new facility. We will share the first floor with the dean's suite and a 150 person auditorium. Third floor will be shared with mechanical space and a greenhouse for the biology department. Chemistry teaching and research labs and faculty offices will be distributed on both floors. Part of Biology will also move and be housed on the second floor. Projected completion date is fall 2009.

We will double our square footage in the move and be housed in a modern climate-controlled building. We currently serve 9500 undergraduate students, and our existing facility was expanded in the late 80's so that we might serve 5000. The analogy that I often use is that we are putting a size 16 foot into a size 10 shoe in regards to our current facilities. We are long overdue for a new facility and thanks to the efforts of Presidents Higdon and Festa, Dean Norine Noonan, Provost Elise Jorgens, and others we are now more hopeful than ever.

Secondly, for those of you that were so privileged to have had Betsy Martin as a professor or as an advisor I would like to encourage you to take the time to write or email me a note to give to her upon her retirement in May. You can send a card or note to me, and I will see that she receives it. My address is Dr. James Deavor, Department of Chemistry & Biochemistry, 66 George Street, Charleston, SC 29424. If you want to send an email use deavorj@cofc.edu. I need these in hand by May 1.

Also, in order to honor Professor Martin I invite you to contribute to the Elizabeth Martin Project of the Chemistry Fund. Depending on the amount received we will do one of the following: establish a prize in her honor for the outstanding chemistry major each year that is going into teaching, endow a scholarship for a potential chemistry teacher, create a named professorship in her honor, or do all three. What we do will depend on your generosity. Make your check payable to the "College of Charleston Foundation". Please note it as being for the "Chemistry Fund- Martin Project," and send it directly to me at the address listed in the previous paragraph. In advance we thank you for your generosity. Spread the word to anyone you know, but please don't tell Professor Martin as we would like to surprise her.

Please keep in touch. Stop by when you are in Charleston.

Sincerely,

Jim Deavor
Professor and Department Chair

2006 GRADUATES

Kevin Bigham*	Biochemistry	
Seth H. Bowman	Biochemistry	
Brent Boyer	Biochemistry	
Rhiannon Rae Carter	Biochemistry	Graduate School, University of Wisconsin
Michelle Coker	Chemistry	Chemist, Kemira Chemicals, Goose Creek, SC
Phillip R. Coker	Biochemistry	Medical School, MUSC
Lihn D. Doan	Biochemistry	
Brittanly L. Dutton	Chemistry	
Joshua L. Eichenberger	Biochemistry	
Richard Gassenheimer	Chemistry	
Emily Gilmore	Biochemistry	
Lindsay Gilstrap	Biochemistry	School of Pharmacy, MUSC
Agnes Glab	Chemistry	School of Pharmacy, MUSC
Joel Greenstein*	Chemistry	
Rachel Inez Harris	Biochemistry	
David Bruce Kingsbury	Biochemistry	Chemist, General Engineering Labs, Charleston, SC
David Lane	Biochemistry	Instructor, United States Navy
Natalie L. Levasseur	Biochemistry	Graduate School, Emory University
Sylvia Riddle Loadholt	Chemistry	Chemist, AAIPharma, Charleston, SC
Julianne McLaughlin	Chemistry	Graduate School, University of Florida
Alex S. McPherson	Biochemistry	
David J. McWilliam	Biochemistry	Law School, University of South Carolina
Morgan A. Murphy	Biochemistry	Medical School, MUSC
Hallie Lauren Neal	Biochemistry	Medical School, MUSC
Sonja Norden	Chemistry	
Jennifer Simon*	Chemistry	
Jad A. Taha	Biochemistry	Law School, University of Florida
Derrick Weddle	Biochemistry	Night Stockroom Manager, College of Charleston
Alan Wilder*	Biochemistry	
Zachary Zanfes	Biochemistry	

* - denotes December graduate

College of Charleston's Phillip Coker 2006 All-American

Outfielder Phillip Coker of the College of Charleston headed the 2006 ESPN The Magazine Academic All-America® Baseball Teams, as selected by the College Sports Information Directors of America.

A product of Northwoods Academy, Coker had been instrumental in helping the Cougars to a 43-15 regular season record, an NCAA tournament berth, a trip to a Super Regional, and a third consecutive Southern Conference title. He started and played in 58 regular season games and entered the NCAA tourney with a .333 average, with two home runs, 33 RBI, 52 runs scored, and 16 doubles. Phillip led the Southern Conference with 33 stolen bases.

Coker ranks in the top five in eight C of C career lists, including: hits (second), runs (third), stolen bases (third), games played (fifth) and at-bats (fifth). A first team ESPN The Magazine Academic All-America for the second straight year, Coker owned a 3.91 grade point average in Biochemistry. Phillip graduated magna cum laude with a degree in biochemistry and currently is a medial student at the Medical University of South Carolina.

"This is a great honor," said Coker. "Playing at the College of Charleston has been one of the greatest experiences of my life. This award is just another great experience and one I'm very proud of because it represents the hard work I've put in the classroom and the baseball field."

C OF C CHEMISTRY RANKS #1 AMONG UNDERGRAD SCHOOLS, 17TH OVERALL

The 2005 report of the American Chemical Society's Committee on Professional Training (CPT) (found in the July 24, 2006 issue of Chemical & Engineering News) shows that the College of Charleston Department of Chemistry & Biochemistry during the 2003-2004 academic year ranked tied for #1 nationally with the US Naval Academy, among institutions that only offer bachelor's degrees, in the number of certified bachelor's degrees awarded in chemistry and biochemistry. Overall, including doctoral granting and masters programs, we ranked 17th. Certified graduates complete a rigorous curriculum as outlined by the CPT and are eligible for immediate membership in the American Chemical Society (ACS), the world's largest scientific society, an organization of more than 163,000 members. During their college career certified graduates successfully complete one year each of introductory, organic, and physical chemistry; one year of calculus; one year of physics; and at least one semester of advanced inorganic chemistry, biochemistry and analytical chemistry; plus other advanced course work in chemistry or biochemistry. Many students participated in undergraduate research projects.

CERTIFIED BACHELOR'S GRADUATES 2004-2005

1 Texas, University of, Austin	142
2 North Carolina, University of, Chapel Hill	116
3 California, University of, San Diego	97
4 Michigan, University of, Ann Arbor	75
5 College of William & Mary	49
6 California, University of, Santa Barbara	47
7 North Carolina State University	46
8 Illinois, University of, Chicago	45
9 Virginia, University of	42
10 Delaware, University of	39
11 Utah, University of	37
12 Georgia Institute of Technology	32
13 Illinois State University	31
14 North Carolina, University of, Wilmington	30
15 Massachusetts Institute of Technology	29
15 Purdue University	29
17 College of Charleston*	26
17 United States Naval Academy*	26
19 California, University of, Davis	25
19 Georgia Southern University*	25
19 San Diego State University	25
22 Minnesota, University of, Twin Cities	23
23 Boston University	22
23 Chicago, University of	22
23 Cincinnati, University of	22
23 Illinois, University of, Urbana-Champaign	22
23 Puerto Rico, University of, Rio Piedras	22
23 Truman State University*	22

*- denotes awards only undergraduate degrees

OPPORTUNITIES FOR GIVING

This year we are making a special plea for contributions to establish a new fund in honor of Prof. Elizabeth Martin, who is retiring in May 2007. Other funds are listed below if you prefer to give to those.

Name _____

Mailing Address _____

City _____

State _____ Zip _____

e-mail address _____

Your gifts are encouraged and appreciated.

- | | | |
|--------------------------|--------------------------------|----------|
| <input type="checkbox"/> | Towell Scholarship Fund | \$ _____ |
| <input type="checkbox"/> | Chemistry Fund | \$ _____ |
| <input type="checkbox"/> | Chemistry Fund- Martin Project | \$ _____ |

Make your check payable to the *College of Charleston Foundation* and mail to:

Department of Chemistry and Biochemistry

Attn: Dr. James Deavor, Chair

College of Charleston

Charleston, SC 29424

We are also accepting contributions to a memory book to be presented to Prof. Martin. Please send your note to the above address no later than May 1, 2007. Alternatively, you may email a note for inclusion by sending it to sdeavorj@cofc.edu.

Please share with us any news about your career, further education, or family:

THE FACULTY

GARY L. ASLESON, Mebane Professor of Chemistry & Biochemistry; *aslesong@cofc.edu*

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JUSTIN K. WYATT, Assistant Professor; *wyattj@cofc.edu*

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