



**Union University 2006-2007: Nurturing Relationships and Building
Community with Chemistry**

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* You can find your Institution's OPEID code in your chapter account in the online reports system. If you need assistance, call (800) 227-5558 x4480 or e-mail saprogram@acs.org .	
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2006-07 STUDENT AFFILATES CHAPTER REPORT: Union University**General Instructions**

Please document your activities for each category on the tables below. Chapters that do not use the designated form may decrease their chances of receiving an award as the reviewers will not be able to easily extract the necessary information for a concise review.

Supporting documentation guidelines are provided for each category. In most instances, no more than two pieces of supporting documentation should be submitted for each category. In the new online submission system, these documents should be uploaded separately – not inserted in this form – and only text and image files are allowed. Please note that the Student Affiliates Program can only include digital photos that are at least 300 dpi in its awards video presentation and in *Chemistry* magazine.

For each category, provide the date of the event and the numbers of Student Affiliates (SA), other chapter members (non-SA), and faculty members that participated. In the name of event/location column, please provide a descriptive title along with the place where the event was held. Please record the number of people that were served by your activity (i.e., number in attendance) in the appropriate column and indicate whether or not the SA chapter planned the activity. It is imperative that all columns be completed for each activity.

Chapters are encouraged to provide adequate written summaries of their activities to give reviewers a complete account of their works. For tips on writing your annual report, visit www.chemistry.org/education/inchemistry.html, click on previous issues and read the article entitled “Annual Report Reviewers Speak Out” in the February/March 2004 issue of *in Chemistry*.

Chapter reports **must be submitted by JUNE 9, 2007**. The new online submission system and electronic versions of the report forms can be accessed via the Student Affiliates web site (www.chemistry.org/education/saprogram.html). Please feel free to contact the Student Affiliates Program at 800-227-5558 (ext. 6166) or via e-mail at saprogram@acs.org if you have any questions.

Background Information

To provide institutional and departmental data, SA chapters should consult with their department chair or Registrar’s Office to obtain accurate numbers. Incorrect information will limit the chapter report reviewers’ ability to fully access the scope and range of your SA chapter activities.

22	Number of ACS Student Affiliates (those who submitted an application to ACS)
59	Total number of chapter members (SA and non-SA)
2,100	Total number of undergraduates in the college or university
35	Number of undergraduates majoring in chemistry
7	Number of chemistry faculty

1. ACS STUDENT AFFILIATES CHAPTER MEMBERS: Union University SAACS Chapter

Please list at least six of your Student Affiliates members and their ACS Student Affiliates numbers. You are encouraged to include a complete chapter roster, if possible. You may expand the table or upload a roster as an attachment to your report submission. Your chapter must have a least six national Student Affiliates in order to qualify for a chapter award or grants.

STUDENT AFFILIATES	ACS NUMBER	STUDENT AFFILIATES	ACS NUMBER
Rhett Barker	2377604	Kenneth Lewoczko	2377605
Dominique Brooks	2412372	Andrew McBride	2414602
Sarah Conway	2394622	Alydia Murray	2391442
April Daigle	2377602	Matthew Pierce	2394091
Patrick Davis	2377603	Allorie Smith	2394092
Reilly Eason	2415305	Wesley Stepp	2394093
Nathan Eckley	2418441	Eunice Sung	2400528
Jennifer Hamman	2394087	Kelley Tate	2412712
Scott Harden	2394089	Tsegayesus Temtem	2412780
Marion Hocutt	2414143	Michelle Thornhill	2377608
John Lee	2394090	Kent Willis	2415093

Please provide a brief summary of your recruitment and retention efforts.

Over the past few years our SAACS chapter has noticed that we have the most difficult time recruiting freshmen. It seems that freshman here simply do not know how to get involved in the SAACS chapter and thus are reluctant to come to any events. As an effort to amend this problem, our chapter decided to host a Liquid Nitrogen Ice Cream Party on Monday, September 18, which was in honor of freshmen students. The event was extremely successful as many students from different disciplines participated, greatly increasing awareness of the SAACS chapter on campus and especially helping science students learn more about the benefits. As a result of this event, we were able to recruit several freshmen who now regularly participate in SAACS chapter events. Another activity to recruit students from all classes was our annual "Pizza in the Pit," which was held on Wednesday, September 13. At this event, the SAACS chapter ordered several pizzas and invited students to come feast on them in the pit (a regular hangout for biology, chemistry, and physics students) during the lunch hour. At these two events, students enjoyed food and socializing, while officers made a point to tell others about the SAACS chapter and its activities. Overall, these events were successful at piquing the interest of students who had not yet joined the SAACS chapter.

As we move into the 2007-08 year, the SAACS chapter president and vice president hosted a booth for freshmen registering for the fall semester, 2007, in which the chapter poster from the SCI-MIX session in Chicago was displayed. From the 500+ freshmen who registered on June 1, 12 freshmen students filled out SAACS membership cards, indicating their intent to be active in the chapter this fall (2007).

2. COMMUNITY SERVICE: Union University SAACS Chapter

What types of community service or public outreach programs benefited audiences outside of your institution (excluding National Chemistry Week activities)? How did you promote the positive image of chemistry in your community? Did you administer a Community Interaction-Student Affiliates (CISA) Grant program or an Innovative Activities Grant (IAG) program relevant to this category? You may expand the table to accommodate more activities.

Date	Number SA Participants	Number Chapter Participants (non-SA)	Number Faculty Participants	Name of Event/Location	Number served by your activity	Was the activity planned by the chapter?
10.23.2006	15	13	4	Can Wars: As part of a university-wide food drive, SAACS formed a food collection team which competed with other student teams in an effort to collect cans for a local food bank. The SAACS chapter placed third in the campus-wide competition.	~3,000	Yes
11.08.2006	5	3	1	Day of Remembrance: A team of SAACS members traveled to Bells Elementary School and performed a variety of chemical demonstrations for 3 rd -5 th grade students centered on environmental chemistry and the importance of conservation.	75	Yes
11.10.2006	10	8	2	CISA Project: The Union University SAACS CISA project began with the arrival of 35 students with several teachers and parents from Lincoln Math and Science Magnet Elementary School on Union's campus. Entitled "Chemistry: The Classroom and Beyond!" this project focused on an overnight science sleepover event. Elementary students ate a picnic supper with SAACS students, followed by chemical demonstrations, liquid nitrogen ice cream, and several games.	45	Yes

2. **COMMUNITY SERVICE (cont.):** Union University SAACS Chapter

11.11.2006	10	7	2	<p>CISA Project: The CISA project continued Saturday morning with breakfast, followed by collaborative science demonstrations performed by members of BIOME (Biologists in Observation of the Master's Earth), SAACS, and SPS (Society of Physics Students). Following the demonstrations, the elementary students were treated to another batch of liquid nitrogen ice cream, and the project was brought to a close.</p>	45	Yes
11.23.2006	14	15	6	<p>Thanksgiving Basket: The SAACS chapter and chemistry faculty members donated money and food items to prepare a Thanksgiving basket for a needy family in Jackson, Tennessee.</p>	10	Yes
12.04.2006	8	10	6	<p>Adoption of an Abused Child for Christmas: Working with the Union Students Activities Council, the SAACS chapter, along with the chemistry faculty, adopted a child for Christmas through the Carl Perkins Center for Abused Children. Presents were bought for the child and several SAACS members had dinner with the child at a Christmas Party.</p>	1	Yes

2. COMMUNITY SERVICE (cont.): Union University SAACS Chapter

03.17.2007	12	16	3	Boy Scout Nuclear Chemistry Merit Badge Workshop: West Tennessee Area Counsel Boy Scouts Troops attended this event and earned the Nuclear Chemistry Merit Badge. The Scouts participated in several activities, including defining relevant terms, learning about the biological effects of radiation, learning about nuclear chemistry careers, and building “isotopes” with marshmallows. To finally earn the merit badge Scouts had to take a short exam over what they learned.	37	Yes
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Please provide a brief summary of your community service activities. You may include up to two pieces of supporting documentation for this category with your report. Please label with the name of the activity.

This year was a time of great activity for the Union University SAACS chapter in service to the community. The first major activity was Can Wars, a food drive competition across Union’s campus to assist a local food bank. This proved quite rewarding and many chapter members who had not previously been involved found this to be a great opportunity to become active in the chapter. In community service, the Union University SAACS chapter has an especially large heart for children. Many of the members and officers of this SAACS chapter have a special interest in working with children in need because many have plans to work with children in the field of medicine as well as raise children of their own. It is this desire that drives these chapter members to seek activities which benefit children and teach them about science. During the CISA project, SAACS members interacted extensively with children through eating meals with them, playing games together, and performing a multitude of interactive demonstrations. This process allowed students from both SAACS and the elementary schools to form close bonds, which may prove invaluable in the future.

For the Day of Remembrance, some students chose to go to an elementary school 20 miles from campus in a small rural town where they could actively participate in teaching students about green chemistry through demonstrations they had prepared. SAACS members are also aware that they have been given great opportunities in life, but that others in their same community may not be so fortunate. For this reason, the Thanksgiving Basket has always been a priority to chapter members and though student budgets are tight, members are happy to donate their time, money, and food items to local families in need. SAACS students also realize that many children in this area do not come from happy homes where they have been loved and nurtured. Members open their hearts to these children and go to extra lengths to give one child a bright Christmas with gifts and a special meal. For at least one day out of the year we hoped we have made a child feel loved and special as we spend time with them and give them the best gifts we can. The Boy Scout Nuclear Chemistry Merit Badge workshop was something that SAACS members looked forward to all year, teaching Boy Scouts about the exciting aspects of nuclear chemistry and

introducing them to the discipline chemistry by allowing them to participate in interactive demonstrations. The activities these boys participate in give them confidence as they discover that they can carry out critical thinking on their own, stirring their curiosity as they wonder about other things in their world they have not yet learned about. Union University SAACS members realize how fortunate they are to have the wonderful opportunities they have been given to learn about chemistry and the world in which they live. SAACS members show their gratitude by giving back to the Jackson community and will continue to find more opportunities to do so in the future.

For Peer Review

3. NATIONAL CHEMISTRY WEEK/MOLE DAY/EARTH DAY: Union University SAACS Chapter

What role did your chapter play in the promotion of National Chemistry Week, Mole Day, or Earth Day? How many persons were served during your activities? Include information on how you used the ACS Office of Community Activities, if applicable. You may expand the table to accommodate more activities.

Date	Number SA Participants	Number Chapter Participants (non-SA)	Number Faculty Participants	Name of Event/Location	Number served by your activity	Was the activity planned by the chapter?
10.23.2006	14	12	6	Brown Bag Seminar: As part of the National Chemistry celebrations, Alydia Murray delivered a talk entitled, "Development of the Lab Component for a Web-Based Non-Major College Chemistry Course."	40	Yes
10.23.2006	14	13	6	Brown Bag Seminar: To explain her summer research, Allorie Smith presented a talk titled "Hydrogen Bonding in Highly Substituted Pyrroles," showing the audience her work from the summer.	41	Yes
10.23.2006	17	21	6	Mole Day: At this festive event, a Mole King and Queen were crowned followed by a celebration which included the serving of a mole cake, and the smashing of a mole piñata created by SAACS members. The closing event of the day was a contest to see who could guess the correct number of moles a bag of jelly beans contains. The winner was awarded the bag for their own personal consumption or sharing.	53	Yes

3. NATIONAL CHEMISTRY WEEK/MOLE DAY/EARTH DAY (cont.): Union University SAACS Chapter

10.23.2006	14	8	4	“Fire and Light” Demonstrations: During the campus’s favorite chemistry demonstration, chapter members performed demonstrations that produced brilliant flashes of light and dancing flames while ensuring that the proper safety precautions had been taken and sharing the joy of chemistry.	65	Yes
10.24.2006	13	12	5	Brown Bag Seminar: Rhett Barker presented his research, “Theoretical Structural and Electronic Analysis of 7-Coordinate and Octahedral Complexes Using GAMESS.”	39	Yes
10.24.2006	15	13	5	Brown Bag Seminar: To explain his summer research, Andrew McBride presented a talk titled “Spectral and Crystallographic Study of 7-Coordinated Complexes.”	41	Yes
10.24.2006	14	14	5	Brown Bag Seminar: April Daigle presented a talk titled “Molecular Dynamics Studies of the Unusual Thresholds for the Reaction of Al^+ and Isotopic H_2 ” showing the audience her work from the summer.	42	Yes
10.24.2006	16	20	6	National Chemistry Week Keynote Speaker: Mr. Keith Butler presented the keynote address this year entitled, “The Chemistry of Explosives,” explaining the chemistry behind various types of military explosives which he encounters in his position as chemistry laboratory supervisor at the Milan, Tennessee Army Ammunition Plant.	53	Yes

3. NATIONAL CHEMISTRY WEEK/MOLE DAY/EARTH DAY (cont.): Union University SAACS Chapter

10.24.2006	16	20	6	National Chemistry Week Proclamation: In honor of National Chemistry Week, Madison County Mayor Jerry Gist issued a proclamation declaring the week of October 22-28 to be National Chemistry Week.	53	No
10.25.2006	12	7	5	Periodic Table of Cupcakes: Chapter members baked over 300 cupcakes and each was given an atomic symbol, all being arranged in the shape of the Periodic Table. The table was set in the main hallway where passing students could pick up a cupcake on the way to class.	320	Yes
10.25.2006	10	23	5	Brown Bag Seminar: Sarah Conway presented her research entitled, "Development of a Branched Chiral Selector Adsorbent with (S)-Naproxen Termini."	25	Yes
10.25.2006	9	19	5	Brown Bag Seminar: Continuing from the previous talk, Wesley Stepp presented his research, "Development of a Branched Chiral Selector Stationary Phase With Vancomycin Termini."	33	Yes
10.26.2006	11	20	6	Brown Bag Seminar: Kelley Tate presented her research on "The Bleaching Effects of 7-Coordinate Compound Catalysts on Pinocyanol Chloride Dye."	30	Yes
10.26.2006	11	21	6	Brown Bag Seminar: Reilly Eason presented his research entitled, "Hydrogen Bonding Studies in Chemically Tuned Pyrroles."	31	Yes

3. NATIONAL CHEMISTRY WEEK/MOLE DAY/EARTH DAY (cont.): Union University SAACS Chapter

10.27.2006	9	18	5	Brown Bag Seminar: Michelle Thornhill presented her summer research entitled, "Hydrogen Bonding Studies in Ortho-Substituted Benzenes."	27	Yes
10.27.2006	10	19	5	Brown Bag Seminar: In conclusion of National Chemistry Week Activities, Nathan Eckley presented his research on "Degreaser Reduction and the Creation of Instrumental Procedures to Test for Hydraulic Oil on Parts," carried out during the summer at the Jackson plant of Delta Faucet Inc.	29	Yes
4.18.2007	2	4	1	Isaac Lane Elementary School Demos: SAACS members traveled to Lane Elementary School in Jackson, Tennessee to celebrate Earth Day. There, SAACS members presented interactive green chemistry demonstrations which showed how to care for and appreciate the environment of the earth.	40	Yes

Please provide a brief summary of your National Chemistry Week/Mole Day/Earth Day activities. You may include up to two pieces of supporting documentation for this category with your report. Please label with the name of the activity.

National Chemistry Week is unquestionably the busiest week for the SAACS chapter each year. It takes a tremendous amount of effort from each member to make sure that each of the many events goes off as planned. Following the successful initiative from last year, a National Chemistry Week Coordinator was appointed by the President, along with several assistants to the coordinator. With this setup, if the Coordinator needed any additional help the President could be called upon, or visa-versa. This was a great learning experience for the Coordinator, allowing her to see what responsibility it took to run the organization. The Brown Bag Seminars were particularly fascinating and allowed the summer researchers to be recognized for all their hard work. In addition, the chapter participated in the demonstration night program held by the Kentucky Lake ACS Section. The Periodic Table of Cupcakes was a great success, as it is each time it makes an appearance. The most interesting part of the week was the "Fire and Light" demonstrations. Also, SAACS students were excited about the National Chemistry Week recognition from Madison County Mayor Jerry Gist. Finally, Mr. Keith Butler did a tremendous job as the keynote speaker. His speech was very informative and also allowed students to gain a broader perspective of the job opportunities for an

industrial chemist. The Mole Day celebration was a pleasant success. The social celebration planned allowed SAACS students to get to know one another better and relax from the grind of school. Earth Day was commemorated by attending Lane Elementary School for an afternoon to teach the children how to appreciate their environment and take care of it. National Chemistry Week, Mole Day, and Earth Day are highlights for the SAACS members each year and are always greatly anticipated.

For Peer Review

4. PLANNING/ATTENDING SCIENTIFIC MEETINGS: Union University SAACS Chapter

Please list any scientific meetings (national, regional, or local) that your chapter attended, planned, or hosted. Please note the professional organizations with which the events were affiliated, if applicable. In the summary box, include the names of students in your chapter who presented research or chapter-related posters at events that were attended by the chapter. Only chapter-related scientific meeting attendance should be listed, not individual student conference attendance. You may expand the table to accommodate more activities.

Date	Number SA Participants	Number Chapter Participants (non-SA)	Number Faculty Participants	Name of Event/Location	Number served by your activity	Was the activity planned by the chapter?
10.26.2006	7	2	2	Kentucky Lake Section of the American Chemical Society Meeting: SAACS students traveled to the University of Tennessee at Martin to attend a sectional meeting of the American Chemical Society. Some students performed chemical demonstrations while at the meeting.	50	No
11.14.2006	5	0	1	Kentucky Lake Section of the American Chemical Society Meeting: SAACS students traveled to the University of Tennessee at Martin to attend a sectional meeting. The highlight of the evening was the talk, "Neutrons and Nanoscience Opportunities and Obstacles," given by Dr. J. Z. Larese, of the University of the Tennessee, Knoxville.	50	No

4. PLANNING/ATTENDING SCIENTIFIC MEETINGS (cont.): Union University SAACS Chapter

11.17.2006	11	0	3	Tennessee Science Teachers Association Professional Development Conference: SAACS students and faculty members were invited to present a session entitled "Using Chemical Demonstrations to Teach Chemistry" at this statewide professional development meeting. New demonstrations and green chemistry experiments were presented to Tennessee teachers followed by discussions of the principles underlying each activity.	60	No
11.17.2006	3	0	1	Tennessee Academy of Science: SAACS students traveled to Austin Peay University in Clarksville, Tennessee to hear research presentations on physical chemistry.	200	No
02.13.2007	6	1	1	Kentucky Lake Section of the American Chemical Society Meeting: SAACS students traveled to Bethel College in McKenzie, Tennessee to attend a sectional meeting. The highlight of the evening was the talk entitled "Flavor Chemistry" given by Dr. Sara J. Risch, Director of the School of Packaging at Michigan State University.	45	No
02.23.2007	11	0	3	The 27th Annual Undergraduate Research Conference: SAACS students traveled to the University of Memphis, Tennessee to deliver their research presentations. Sarah A. Conway, a Union University SAACS student, earned the second place award for her presentation entitled "Development of a Branched Chiral Selector Adsorbent with (S)-Naproxen Termini."	70	No

4. PLANNING/ATTENDING SCIENTIFIC MEETINGS (cont.): Union University SAACS Chapter

03.25.2007 through 03.29.2007	11	0	4	233rd National Meeting of the American Chemical Society: Our chapter presented a poster during SCI-MIX which featured aspects of our CISA project. Eleven members presented their research in the CHED poster sessions. Also, the Union SAACS chapter received an outstanding chapter award.	~15,000	No
04.28.2007	2	0	1	30th Area Collegiate Chemistry Meeting: Two SAACS students presented research talks at this meeting held at Murray State University in Murray, Kentucky. Here, SAACS students were also fortunate to meet with and hear the President-Elect of ACS, Dr. Bruce Bursten.	65	No

Please provide a brief summary of your scientific meeting activities. You may include up to two pieces of supporting documentation for this category with your report. Please label with the name of the activity.

SAACS members were extremely involved in attending scientific meetings. SAACS members were disappointed in being unable to host a Kentucky Lake ACS section meeting at Union University this year due to the conflict of a major campus event that evening. However, SAACS members are eagerly planning a Kentucky Lake ACS section meeting to be held this fall, September 18, on Union University's campus. Tours of the newest building on Union University's campus, White Hall, which houses the Department of Chemistry, will be given by SAACS students as a part of this upcoming meeting. However, SAACS students were delighted to continue their tradition of attending the National American Chemical Society meetings by participating in the Spring meeting held in Chicago, Illinois. This marks the 12th consecutive year that Union University SAACS students have presented research posters at a national ACS meeting. Through these experiences, SAACS members learn important organization and preparation skills for large professional events. Members of the Union University SAACS chapter had the opportunity to participate in an incredible spectrum of professional meetings: ACS section meetings, undergraduate research conferences, a national ACS meeting, and the premier statewide science education meetings. SAACS members were amazed at the diversity of speakers present at these meetings and benefited greatly in their personal professional development.

5. COMMUNICATION: Union University SAACS Chapter

Briefly describe how your chapter communicated about its meetings and activities to chapter members and the general public. You should include information about your Web page, media coverage of events, flyers, e-mails, etc. Also discuss the effectiveness of your communication efforts. You may include up to two pieces of supporting documentation for this category with your report. Please label with the name of the activity.

To keep chapter members informed about the many activities of the chapter, several methods were employed. Firstly, the chapter president used email to keep officers abreast of the latest developments in advance of chapter meetings, class representatives were informed of the time and place of the meeting. They then used email, campus voicemail, and personal interactions to notify all chapter members of the upcoming meeting. Also, the secretary prepared fliers for each meeting and event which were prominently posted around campus, notifying all the students of chapter activities.

So all students could be kept abreast of the upcoming chapter activities weeks in advance, the permanent SAACS glass display case was used to hold a calendar of events which was updated on a monthly basis. This case is located just in the Department of Chemistry just outside where students and faculty exit two major departmental classrooms. Also, to involve Union University faculty from areas other than chemistry, important SAACS events were posted on the weekly calendar of events for the College of Arts and Sciences which was distributed throughout the campus by the Dean of the College of Arts and Sciences.

At the beginning of the fall, the chapter website reconstruction project was finally completed <http://www.uu.edu/dept/chemistry>. This site contains chapter information, a calendar of events, a photo gallery highlighting chapter activities, past and upcoming special speakers, SAACS researchers, and information about the chemistry program. In the upcoming year, it is hoped that a greater emphasis will be placed on using this resource for communication and publicity, and the use of popular student networking sites such as Facebook will be explored.

6. DEPARTMENT/COLLEGE SERVICE: Union University SAACS Chapter

Did your chapter plan or participate in any departmental activities (e.g. tutoring programs, visiting with departmental speakers, career fairs, mock interview sessions, résumé reviews) or any campus-wide activities? You may expand the table to accommodate more activities.

Date	Number SA Participants	Number Chapter Participants (non-SA)	Number Faculty Participants	Name of Event/Location	Number served by your activity	Was the activity planned by the chapter?
2006-2007	6	4	2	SAACS Display: SAACS members set up the SAACS display booth several times the academic year and including the week of Freshman Orientation in order to acquaint others with the SAACS organization and to recruit new members.	850	Yes
11.03.2006	11	15	6	Homecoming Alumni Program: SAACS members hosted the Annual Science Alumni Symposium and Dinner, making nametags, collecting money, and hosting guest speakers and alumni upon their visit to Union University's campus.	42	Yes
12.05.2006	5	5	4	Decorating the Department for Christmas: SAACS members helped decorate the Department of Chemistry offices for Christmas. A center piece of decorations included the ChemisTree. Throughout the day hot spiced apple cider was made available for students and faculty.	70	Yes
03.25.2007 through 03.29.2007	3	0	0	Hotel Expense/ACS National Meeting: The SAACS chapter underwrites the expense of a room for undergraduate research presenters at the ACS National meeting each spring.	15	Yes

6. **DEPARTMENT/COLLEGE SERVICE:** Union University SAACS Chapter

03.30.2007	10	25	4	West Tennessee Regional Science Fair: SAACS members aided participants in checking in, inspected displays for safety, facilitated the judging process, and helped with the awards ceremony.	810	No
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Please provide a brief summary of your department/college service activities. You may include up to two pieces of supporting documentation for this category with your report. Please label with the name of the activity.

Union University SAACS members have always been committed to serving the department and the university in numerous ways, from decorations and hosting of speakers to promotion and recruitment of new students. By setting up the SAACS display booth, members demonstrated an active desire to bring in new students by acquainting them with the joys and benefits of chemistry. Later during the fall semester, SAACS members were instrumental in planning and coordinating the Homecoming Alumni program, thereby making a vital contribution to the success of the Chemistry Department's Symposium and Dinner. Also, as part of an effort to create a welcoming and hospitable environment for students near the end of the fall semester, members of SAACS helped decorate the chemistry department for the Christmas holidays. The SAACS chapter was happy to continue its annual tradition of paying for one hotel room for SAACS research students who attend the ACS National spring meeting. Finally, members of SAACS contributed to the quality of the education experience for younger students by helping extensively with the West Tennessee Regional Science Fair. Through these and many other smaller efforts, Union University SAACS members gained valuable skills in many areas and continued their longstanding tradition of service to others.

7. SPEAKERS/TOURS/FIELD TRIPS: Union University SAACS Chapter

Please list the name and affiliation of each speaker and the title of his/her presentation. Please list the name and location of the companies, institutions, or organizations you visited for field trips or tours. Technical meeting and conference speakers should not be included here: please list those in the scientific meeting category. All green chemistry-related speakers should be reported in category 8. You may expand the table to accommodate more activities.

Date	Number SA Participants	Number Chapter Participants (non-SA)	Number Faculty Participants	Name of Event/Location	Number served by your activity	Was the activity planned by the chapter?
9.15.2006	9	10	6	Ethics in Science: Union University's own Dr. Jimmy Davis gave a presentation on prominent ethical issues facing the scientific community today, drawn largely from information gained during a worldwide scientific ethics conference that he presented at in China.	45	Yes
10.07.2006	11	4	1	Vanderbilt University Center of Molecular Toxicology Open House: At the open house SAACS members enjoyed a tour of outstanding research facilities. Presentations by research faculty gave a state of the art update on the field of molecular toxicology.	250	No
11.03.2006	9	10	5	Homecoming Symposium Speaker: Dr. John Guthrie spoke about his job as a pharmacist specializing in ambulatory care at Jackson-Madison County General Hospital. His presentation was especially valuable to students pursuing careers in health sciences.	35	Yes
11.03.2006	9	9	5	Homecoming Symposium Speaker: Ruth Hall, a Union graduate and high school chemistry teacher from Illinois, gave a presentation entitled "Warming up to Thermodynamics" chronicling her experiences teaching high school chemistry.	34	Yes

7. SPEAKERS/TOURS/FIELD TRIPS (cont.): Union University SAACS Chapter

11.03.2006	9	13	5	Homecoming Symposium Speaker: Dr. Barry Jarnigan, a Union graduate and medical doctor, spoke about his experiences from medical school graduation to his current position as a professor at the Vanderbilt University School of Medicine, specializing in women's healthcare.	38	Yes
11.03.2006	9	12	5	Homecoming Symposium Speaker: Dr. Omar Hamada, a former U. S. Army Ranger medical doctor, gave an engaging talk on his experiences in combat medicine practiced in the Afghanistan and Iraq theatres.	37	Yes
11.03.2006	9	11	5	Homecoming Symposium Speaker: Dr. Jeff Fletcher, a Union graduate and local dentist, spoke about his experiences from undergraduate work to his current dental practice in Paris, Tennessee.	36	Yes
03.23.2007	14	10	6	Special Speaker: Dr. Gregory S. Tschumper of the University of Mississippi presented his research project on "Chemistry without Chemicals: An Introduction to and Applications of Computational Chemistry." He also informed undergraduates of the possibilities that lay before them after completing their respective degrees. He compared the benefits of MD and PhD degrees.	30	Yes
04.13.2007	15	13	5	Special Speaker: Dr. Stephen M. Testa of the University of Kentucky presented his research entitled "Nucleic Acids, Disease, and You." He informed undergraduates how they could become involved in research like his by obtaining a Masters or PhD in Chemistry.	33	Yes

7. SPEAKERS/TOURS/FIELD TRIPS (cont.): Union University SAACS Chapter

04.20.2007	16	12	6	Special Speaker: Dr. Omar Hamada, Union alumnus and retired military doctor returned to present a talk entitled “Combat Casualty Care In Special Operations.” He informed undergraduates what their options would be if they pursue a career in military medicine.	34	Yes
04.13.2007	15	13	5	Special Speaker: Dr. Joseph Ackerman, a William Greenleaf Eliot Professor of Chemistry, and Chair of the Department of Chemistry at Washington University in St. Louis, Missouri presented his research entitled “Magnetic Resonance Imaging and the Diffusion of Water – Physical Chemistry and Biophysics Meet Radiology.” He informed undergraduates what options lay before them if they pursued a higher degree in chemistry in this field.	33	Yes
04.13.2007	12	13	6	Special Speaker: Dr. Anjaparavanda P. Naren of the University of Tennessee Health Science Center presented a talk on his research into the macromolecular complexes CFTR, NHERF2, LPA2, and Rolin secretory diarrhea. He informed undergraduates how they could become involved in research like his by obtaining a Masters or PhD in Chemistry.	31	Yes
04.30.2007	17	28	5	Union University Scholarship Symposium: Eleven undergraduate SAACS members presented their research before the faculty and students at Union University.	40	No

Please provide a brief summary of your speakers/tours/field trips. Please include information as to how these activities assisted chapter members with building their professional development skills. You may include up to two pieces of supporting documentation for this category with your report. Please label with the name of the activity.

This section displays one of the most highly active branches of the SAACS chapter at Union University. The SAACS members are highly involved with Kentucky Lake ACS and other surrounding section meetings, as well as national meetings. One aspect of the talks hosted by the Union SAACS chapter was that after each talk, light refreshments were provided and students had the opportunity to personally interact with the speaker. These speakers covered a wide variety of topics ranging from computational chemistry to biochemistry. Related aspects of choosing the arena in which the discipline would be practiced were discussed, including chemistry education, the medical field, and careers in chemistry. This greatly helped students clarify their career choices and also brought several previously unknown career choices to light.

8. GREEN CHEMISTRY): Union University SAACS Chapter

In order to be recognized as a Green Chemistry chapter, Student Affiliates chapters must engage in a least three different types of green chemistry activities during the academic year. Please reference the “Student Affiliates Chapter Report Review Criteria and Considerations” to help you craft this section. **NOTE: You can repeat activities in this section that you report in other categories (i.e. conferences, community outreach). This category will only be used to determine Green Chemistry chapter status. It will not be used to determine SA chapter award status.**

Date	Number SA Participants	Number Chapter Participants (non-SA)	Number Faculty Participants	Name of Event/Location	Number served by your activity	Was the activity planned by the chapter?
11.03.2006	7	7	1	Tree Planting: In collaboration with the City of Jackson Tree Board, SAACS members planted trees around Jackson to replace diseased and damaged trees on city property and beautifying the median of a major thoroughfare in the city.	~60,000	Yes
11.04.2006	8	12	1	Tree Giveaway: SAACS members met early on a Saturday morning at Kate Campbell Park in Jackson, Tennessee to distribute free trees to all interested Jackson residents. This was done in collaboration with the Tree Board of the City of Jackson.	~60,000	Yes
11.08.2006	4	5	2	Day of Remembrance: A SAACS demonstration team traveled to Bells Elementary School with Dr. Sallie Henrie, professor of organic chemistry, to conduct green chemical demonstrations focused on recycling and environmental chemistry concepts.	75	Yes

8. GREEN CHEMISTRY (cont.): Union University SAACS Chapter

11.17.2006	7	5	2	TSTA Chemistry Fun Day: SAACS students traveled to the Tennessee Science Teachers Association annual professional development conference at the Music City Sheraton Hotel in Nashville, Tennessee for "Chemistry Fun Day." The SAACS chapter attended in order to perform chemical demonstrations for teachers, providing them with the information they needed to go back to their classes and use the demonstrations in their teaching.	110	Involved in planning process
01.23.2007	4	3	1	Soil Demonstrations: A SAACS demonstration team traveled to Bells Elementary School to give instructional demonstrations about the chemical composition of various soil types.	40	Yes
03.31.2007 through 04.07.2007	2	0	1	GO Trip to Morocco: In conjunction with students from the Departments of Physics and Engineering, SAACS members traveled to the country of Morocco as part of a service project focused on providing safe drinking water for communities in that area of Africa. Traveling throughout the region, the students held educational sessions with local farmers to explore improvements to farming techniques and the application of the principles of green chemistry to helping improve the quality of life in these communities.	~5,000	Yes

8. GREEN CHEMISTRY (cont.): Union University SAACS Chapter

03.20.2007 through 05.16.2007	8	15	1	City of Jackson Tree Inventory: During the spring of 2007, SAACS members undertook the project of inventorying all trees on public right of ways in a large section of Jackson. This project was performed in collaboration with the City of Jackson Tree Board, providing an opportunity for SAACS students to learn basic tree identification and maintenance techniques through community service.	~60,000	No
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Please provide a detailed summary of a minimum of three green chemistry activities, including a two-three sentence explanation of why you think each activity qualifies as green chemistry. The ACS Green Chemistry Institute will use this information to determine if your activities qualify as green chemistry. You may include up to three pieces of supporting documentation (i.e. speaker abstracts) for this category with your report. Please label with the name of the activity.

During this past year, the Green Chemistry section of Union University's SAACS chapter has definitely been active. During the early part of the fall, the focus was on trees. The tree planting project allowed SAACS members to make an important contribution to the Jackson community while at the same time demonstrating that chemists are not "stuck in the lab" and really do enjoy doing other things too. Also, this project demonstrated the importance of collaboration, since both SAACS members and the City of Jackson Tree board performed vital junctions and relied on each other to successfully carry out the tree planting. Continuing the tree theme on the very next day, SAACS members participated in a tree giveaway as part of an environmental beautification effort for the City of Jackson. Later in the fall, the focus turned to more conventional green chemistry. At Union, the Day of Remembrance is a day traditionally set aside for community service from students all across campus. SAACS students were no exception, traveling to Bells elementary school to help elementary students learn the importance of green chemistry, and how it fits into the overarching theme of environmental conservation and stewardship. At the Tennessee Science Teachers Association (TSTA) Chemistry Fun Day, the pressure was somewhat higher, since this activity involved presenting green chemistry demonstrations to school teachers from across Tennessee, allowing them to take those demonstrations which they deemed valuable to their own classrooms. As usual, SAACS members were up to the challenge, presenting on a wide range of subjects within green chemistry with demonstrations that were very well received.

Leading off the new year, a demonstration team consisting of both SAACS and engineering students traveled to Bells Elementary School to provide an opportunity for elementary students to learn about the basic chemical composition of the major soil types found in the area. Perhaps the most exciting project of this year was the GO Trip to Morocco. Each year, Union oversees the enactment of community service and outreach projects that go from the local community to countries around the world. In this case, a group of science students met and decided to form a collaborative team to travel to Morocco in an effort to assist in providing safe and clean drinking water to area communities and improving agricultural techniques in the area. This involved educating area farmers in basic soil chemistry, balancing synthetic and natural fertilizers, and testing wells in the area to determine the composition of the water. Perhaps the most important impact this project had was on the students who participated. They gained incredible insight into another culture and people across the world, formed lasting friendships and shaped ideals that will last them a lifetime. Finally, the Union University SAACS chapter finished the year with a tree inventory project in collaboration with the City of Jackson Tree Board. A section of the city was assigned to SAACS students who then went over this area during the latter part of the semester, inventorying trees on city property and right of ways. In addition to once again highlighting the benefits of collaboration, this project gave SAACS members the opportunity to learn basic tree identification techniques that will prove quite valuable throughout their lives.

9. FUNDING: Union University SAACS Chapter

Briefly describe any funding that was donated to your chapter (e.g., from the department), as well as any funds that were raised through various activities including proposal writing (IAG, CISA, NMTG, and SLPD grant funding should be included). In the description you should not only include the amount of money that was raised or donated, but also indicate how the funding was spent. You may include up to two pieces of supporting documentation for this category.

The Union University SAACS chapter significant contribution from a CISA grant. Last summer, Kenneth Lewoczko, President of the Union SAACS chapter, and Jennifer Hamman, Union University SAACS CISA Project Coordinator, wrote a grant proposal entitled, "Chemistry: The Classroom and Beyond". This project was centered on an overnight chemistry sleepover event for elementary students from Lincoln Math and Science Magnet Elementary School in Jackson. Held on Union's campus in November, the experience began with a picnic supper on a Friday evening followed by exciting chemical demonstrations and liquid nitrogen ice cream. The following Saturday, collaborative demonstrations were performed by SAACS members as well as BIOME (Biologists in Observation of the Master's Earth) and SPS (Society of Physics Students) members. This project allowed the students to interactively learn about the connections between biology, chemistry, and physics, while instilling in them an appreciation for science, in particular chemistry. The chapter received the full amount of \$400 for the project. Following the sleepover event, SAACS members received letters and cards from the elementary students expressing excitement about the possibilities of science and thanks for the opportunity to learn about the major fields of science and their applications.

In addition to the CISA grant, another manner in which the chapter raised funds was by selling laboratory safety goggles for \$10 per pair. Approximately 130 pairs were sold this year and the profits were used by SAACS chapter in planning other events. SAACS dues of \$10 per student were also collected in order to provide a general fund for the chapter. Students were given a free chapter membership if they became National Affiliates, thus providing incentive to affiliate. Finally, donations were taken from students and faculty members for the Thanksgiving Basket and the Carl Perkins Christmas Child Program. Enough donations were collected to fill a large basket for a family in Jackson in need during Thanksgiving. This basket contained many food products, as well as cleaning items a family might need. Also, seventy-five dollars was collected for the Carl Perkins Christmas Child Program that enabled the SAACS chapter to buy nice gifts for a young boy sponsored through the program.

In 1995, a tradition was begun by SAACS research students that has placed funds in the SAACS long-term account. When a SAACS student wins an award for their research presentation, the award check is made out to the Department of Chemistry which in turn deposits the money in the SAACS account. This year Sarah A. Conway, president-elect of SAACS earned the second place award at the University of Memphis 27th Annual Undergraduate Research Conference with her presentation, "Development of a Branched Chiral Selector Adsorbent with (S)-Naproxen Termini." This award resulted in a \$250 check being deposited to the SAACS account. In the future, SAACS members would like to have fundraisers to fund other events the chapter participates in as well as events to fund travel costs to and from National ACS meetings.

10. SOCIAL FUNCTIONS: Union University SAACS Chapter

Please list the social functions that were part of your yearly chapter activities. Social activities include events such as holiday or back-to-school parties; bowling or skating events; dances, banquets, etc. You may expand the table to accommodate more activities.

Date	Number SA Participants	Number Chapter Participants (non-SA)	Number Faculty Participants	Name of Event/Location	Number served by your activity	Was the activity planned by the chapter?
09.08.2006	15	20	5	Back to School Party: During this longstanding tradition, students and professors of the Chemistry and Physics departments gathered at the home of Dr. Hathcox for good food and the annual faculty vs. students volleyball game.	50	No
09.13.2006	11	14	6	Pizza in the Pit: As a part of this highly successful event, many freshmen were easily able to get to know faculty and upperclassmen who are SAACS members. This also served as a great recruitment endeavor, with several new members joining the chapter.	43	Yes
09.18.2006	12	15	5	Liquid Nitrogen Ice Cream Social: For just the 3 rd consecutive year, SAACS-made liquid nitrogen ice cream was served in the main hall outside the chemistry department to all interested students and faculty. This was a recruiting event for freshmen, but students of all disciplines joined in the fun, and this proved to be a highly effective recruiting tool.	225	Yes

10. SOCIAL FUNCTIONS: Union University SAACS Chapter

12.12.2006	10	15	1	Garfield Study Break: Dr. and Mrs. Charles Baldwin prepared Garfield's favorite meal, lasagna, along with salad and cheesecake for weary students during finals. Also, Dr. Baldwin read a Christmas story.	27	Yes
05.04.2005	3	8	4	Spring Celebration: SAACS members enjoyed a wonderful meal and time relaxing before final exams at the home of Dr. Johnston. Volleyball, croquette, and casual conversation marked the occasion.	30	Yes

Please provide a few details about your social events and how they help to boost chapter morale and encourage chapter participation. You may include up to two pieces of supporting documentation for this category with your report. Please label all supporting materials with the name of the activity.

Science courses in general are stressful. Besides having the work that is associated with lectures, students also have to carry out lab work and keep detailed lab notebooks as well as write scientific reports. The social events help relieve some of this stress and also allow SAACS members to get to know one another and interacted with faculty in an informal setting. Union University is a small school and thus students in the same year are typically in many of the same classes, leaving little chance to interact with students from other classes. The social events this year definitely served to allow upperclassmen to get to know underclassman and events like the "Liquid Nitrogen Ice Cream Party" and "Pizza in the Pit" helped officers of SAACS recruit new members. At these events, officers mingled with new students at Union and told them about the activities SAACS participates in. Many new members joined the chapter as a result of these activities.

11. CHAPTER BUSINESS MEETINGS: Union University SAACS Chapter

Please list the executive committee and chapter business meetings that were held. In the purpose of meeting column, please list the major goals of the meeting—i.e., to elect officers; to plan for the April outreach activity; to plan for the holiday party. You may expand the table to accommodate more meetings.

Date	Number SA Participants	Number Chapter Participants (non-SA)	Number Faculty Participants	Purpose of meeting
09.01.2006	7	6	2	Officer Orientation and Cookout: At the beginning of the year an officer orientation and planning meeting was held at Dr. Charles Baldwin's home. The officers and faculty advisors developed a plan for the upcoming year and discussed the duties of the officers and the events that needed a large amount of attention for the upcoming year. Grilled burgers, hotdogs, and the trimmings were enjoyed as part of the evening event.
09.07.2006	12	18	2	Chapter Business Meeting: The first chapter meeting was a basic get-to-know everyone and an opportunity for the President to explain what SAACS is and what events were coming up, such as the Pizza in the Pit Party, Liquid Nitrogen Ice Cream Social, and most importantly, the CISA project: "Chemistry: The Classroom and Beyond."
10.05.2006	6	5	2	Executive Meeting: This executive meeting focused mainly on National Chemistry Week and the preparation for it. Also, preparations were made for the CISA project, which was coming up in the next month.
10.12.2006	11	16	2	Chapter Business Meeting: The chapter was very well prepared for this busy part of the year. Students were assigned specific tasks for National Chemistry Week and carried them out wonderfully. In addition, detailed preparations were made for the CISA project, and the Can Wars food drive was introduced.
11.02.2006	5	6	2	Executive Meeting: This meeting focused on the preparations for the CISA project, along with planning for the Thanksgiving basket to help a needy family and adopting a child for Christmas from the Carl Perkins Center for Abused Children.
11.09.2006	12	13	2	Chapter Business Meeting: A comprehensive plan for the CISA project was given to all in attendance and volunteers were confirmed for all positions. Also, details were discussed for the Thanksgiving basket to help a needy family and adopting a child for Christmas from the Carl Perkins Center for Abused Children.

11. CHAPTER BUSINESS MEETINGS (cont.): Union University SAACS Chapter

02.06.2006	12	22	2	Executive Meeting: This executive meeting focused on the major events of the second semester. These included planning for the Boy Scout Nuclear Chemistry Merit Badge Workshop, travel to the National ACS Convention in Chicago, Illinois, and the tree inventory project in collaboration with the City of Jackson Tree Board.
02.15.2006	6	15	2	Chapter Business Meeting: The chapter was made aware of Boy Scout Merit Badge Project that was coming up in the next month, and details were given about training for the tree inventory project.
03.05.2006	7	16	2	Executive Meeting: Details for the Boy Scout Nuclear Chemistry Merit Badge Workshop were finalized, and the West Tennessee Regional Science Fair and the ACS National Meeting were discussed.
3.12.2006	10	22	2	Chapter Business Meeting: A schedule for the Boy Scout Nuclear Chemistry Merit Badge Workshop was distributed, and volunteers for the West Tennessee Regional Science Fair signed up to work.
04.01.2007	6	2	1	Executive Meeting: Final details from the past year were brought to a close and the officer election was briefly discussed. The president thanked officers for their support and assistance throughout the year.
04.03.2007	13	28	2	Officer Elections: Officers were elected for the upcoming year. During the next week, officers were sworn in at a meeting in a local restaurant.
04.08.2007	14	2	2	2007 Officer Instillation Banquet and Year-In-Review Presentation: New officers for the 2007-08 academic year were installed into their new positions. The outgoing president gave a farewell speech, and a PowerPoint presentation of the 2006-07 year's SAACS activities was shown for the enjoyment of all.

CHAPTER BUSINESS MEETINGS—PART II: Union University SAACS Chapter

Please discuss the effectiveness of your meetings—were you able to accomplish your goals? Describe how your chapter meetings assisted chapter members with developing leadership skills. Include any incentives that your chapter provided to encourage attendance at chapter meetings.

Our meetings were effective overall. More emphasis needs to be placed on officer attendance at regular chapter meetings. Officers often came to the executive meetings but then some failed to show up at the chapter meetings. It is important for the officers to show their excitement about SAACS activities by discussing the upcoming events with other SAACS members. As a whole, our officer team displayed great leadership when it came to actually carrying out activities. Chapter meetings allowed other members to develop leadership skills when officers would seek leaders for specific activities planned by the chapter. Members were often put in charge of planning or directing events throughout the year. Through these experiences, members learned how to plan ahead, organize events, and motivate others to participate. Therefore, many members who regularly participated improved their leadership skills greatly, several of whom were elected new SAACS officers for the 2007-08 year. The Officer Installation Banquet provided an opportunity to recognize and express appreciation for the past work of outgoing officers and members. After the passing of the gavel from the current president to the president-elect, the outgoing president was presented a gaveled plaque to acknowledge his dedication and commitment to SAACS. The chapter meetings were effective in accomplishing goals that were set at the beginning of the year in the officer orientation and planning cookout. Improvements that could be made to the chapter meetings include providing more regular incentives for members and especially officers to attend and consider a year-end survey that would seek input from members regarding their perceptions of the success of current activities and suggestions for new activities.

12. LOCAL SECTION INTERACTION: Union University SAACS Chapter

Briefly describe any interactions that you've had with your ACS Local Section. If you have not worked with your Local Section, please list the barriers that prevent these interactions. Also, please include any suggestions that might be passed along to ACS Local Sections that are looking for more ways to interact with Student Affiliates Chapters. **NOTE: This category will be used to increase Local Section and Student Affiliates Chapter interactions. It will not be used to determine SA chapter award status.**

In our interactions with the local ACS Section, the Union University SAACS chapter has been very active this year. To celebrate National Chemistry Week SAACS members traveled to the University of Tennessee at Martin for a Kentucky Lake ACS Section Meeting. After enjoying an excellent dinner, SAACS members joined a collaborative effort with other area SAACS chapters in presenting a variety of engaging chemical demonstrations in celebration of National Chemistry Week. As is usually the case for this meeting, the exciting program was thoroughly enjoyed by all in attendance. In the next month, Union SAACS members went back to Martin for the November Kentucky Lake ACS Section Meeting, and following dinner a presentation was given by Dr. J. Z. Larese of the University of the Tennessee, Knoxville and Oak Ridge National Laboratory entitled, "Neutrons and Nanoscience: Opportunities and Obstacles." In the spring semester, SAACS students traveled to Bethel College in McKenzie, Tennessee to attend another Kentucky Lake ACS Section Meeting. The highlight of the evening was the talk entitled, "Flavor Chemistry," given by Dr. Sara J. Risch, the Director of the School of Packaging at Michigan State University. One disappointment this year was that the Union SAACS chapter was unable to host a joint meeting of the Kentucky Lake and Memphis ACS Sections. This was due to the fact that at the last minute, a major university function was scheduled for the same date as the meeting, so the venue for the meeting was changed. However, Union University SAACS members are eagerly planning a Kentucky Lake ACS section meeting to be held this fall, September 18, on Union University's campus. Tours of the newest building on Union University's campus, White Hall, which houses the Department of Chemistry, will be given by SAACS students as a part of this upcoming meeting.

13. OVERALL CHAPTER ASSESSMENT: Union University SAACS Chapter

Using the questions listed below please provide an overall assessment of your chapter's activities for the 2006-2007 academic year. Assessments should cover the student and faculty perspective.

What were the major objectives of your chapter during 2006-07? In which areas did you succeed? How did your chapter members benefit from the activities in 2006-07? What problems did your chapter encounter during 2006-07 and how did your chapter deal with or resolve these problems?

1. What were the major objectives of your chapter during 2006-07?

During the 2006-07 year, the Union University SAACS chapter had several major objectives. The first of these was to give Union University students a better understanding of chemistry and its practical applications to life. Methods of accomplishing this included the display of the SAACS booth and giving public chemical demonstrations. A major aspect of our NCW celebration is the Brown Bag Seminar series in which SAACS research students give oral research presentations to which the campus community is invited. Our chapter was delighted that eleven research SAACS students presented this year. Our chapter had a desire to serve the surrounding community, both on and off campus, through science-related activities. Many such activities were carried out in the course of the year, such as the CISA project, the Day of Remembrance project, and the Boy Scout Nuclear Chemistry Merit Badge Workshop. Another goal of the chapter was to increase member participation in SAACS activities. Members were given responsibilities to help them realize their importance to the organization. A variety of events were hosted by the chapter appealing to a wide range of science and non-science students. The final major goal of the Union University SAACS chapter was to take an active role in participating in scientific meetings. This included all aspects of these meetings, from presentations at the ACS national meeting in Chicago to hosting local and nationally acclaimed chemistry speakers. Thus, the objectives of our chapter were ambitious, but were achieved and proved valuable to the community.

2. In which areas did you succeed?

Across the board, the Union SAACS chapter succeeded in reaching nearly all of its objectives for the 2006-07 year. In giving students a better appreciation for chemistry and its applications, the SAACS booth, numerous social events, and student interactions were highly successful in creating a positive atmosphere and recruiting new chapter members. Service to the community was also a major success, as SAACS members took their work beyond the Department of Chemistry to other areas of the campus and the community. Chemistry proved to be an excellent avenue for service by SAACS members to others. In increasing participation, the chapter was partly successful, but room for improvement remains. During this year, new members were recruited, several of whom remain dedicated to the chapter. However, some members seem to lack an incentive to participate, and especially this year, extensive officer participation was lacking. Therefore, this should be an area of focus in the upcoming year. In reaching the final objective of taking an active role in scientific meeting participation, our chapter was indeed successful, planning, hosting, and attending a number of meetings on campus, in the area, and even to the ACS national meeting in Chicago, Illinois. Thus, in the course of the year, the Union University SAACS chapter has been highly successful, and in the coming year, even greater successes are anticipated.

3. How did your chapter members benefit from the activities in 2006-07?

Members of the Union University SAACS chapter benefited from the activities in 2006-07 in a variety of ways. First of all, through the events and activities of the chapter, members gained a greater understanding of chemistry and its practical applications in life. Whether

by listening to the numerous speakers that the chapter hosted or by attending one of the off-campus meetings, the importance and practicality of chemistry in everyday life was clearly illustrated to students throughout the year. In addition to this, SAACS members developed and strengthened planning, organization, time management, and leadership skills. In each activity, whether simply by helping or in actually planning and organizing events in advance, members of SAACS gained valuable skills that will last them a lifetime. Another area of benefit that was especially important for our chapter this year was a greater appreciation for and commitment to community service. Union University SAACS has a long tradition of service to others, and this continued to be strong in the past year. Through the CISA project, Can Wars food drive, Thanksgiving Basket, Adopt an Abused Child for Christmas program, and Boy Scout Merit Badge Workshop, SAACS members demonstrated a sincere heart for service across the campus and throughout the community. Furthermore, members of SAACS gained firsthand experience in participation at scientific meetings. From National ACS to ACS Section and area chemistry meetings, Union University SAACS students were involved in all stages of planning and participating in scientific meetings. Finally, another benefit that chapter members gained from SAACS activities was the development of close bonds with each other and the formation of a strong student support group. As members came to know each other better through these activities, they made friendships, established connections, and learned skills that will last them throughout their lives.

4. What, problems did your chapter encounter during 2006-07 and how did your chapter deal with or resolve these problems?

In general, the Union University SAACS chapter was fortunate enough not to encounter many problems during the 2006-07 year. The chapter continues to work toward greater member participation in SAACS activities. Lack of follow-up on the long-term planning

begun in the Officer Orientation and Planning Cookout is one area in which improvement will be emphasized during the upcoming year. A focus on the incorporation of activities that appealed to science and non-science students was an emphasis this past year due to concerns about attendance. Activities such as the “Liquid Nitrogen Ice Cream Social” and “Pizza in the Pit” events proved to be highly successful in bringing in new members, a large number of who remain highly involved in chapter activities. An additional benefit of these events was that they created a positive image of chemists and their work across campus.

Another way in which the chapter dealt with the participation concerns was to delegate the responsibilities of our activities to members who had demonstrated skill require to successfully organize and complete those activities. For instance, during our CISA project, while the officers planned the overall project activities, members who had demonstrated leadership abilities were assigned important roles, giving on-site direction and guidance to the other team members. Throughout the year, it was found that by giving responsibilities to otherwise uninvolved members, these members came to realize their importance to the chapter, thus increasing their participation levels later in the year.

The Union University SAACS chapter has attained its goals for the 2006-07 academic year. Overall, this has been a banner year for the Union University SAACS chapter. This year the CISA project set a new standard raising the bar for future CISA projects. The chapter is looking forward with great anticipation to carrying out its activities from a new base of operation in Union University’s newest building, White Hall. With the establishment of a new School of Pharmacy the future for growth in the number of chemistry majors is very bright. Obviously, we expect to recruit many of these new chemistry majors into our SAACS chapter. We are extremely optimistic about the future of the Union University SAACS chapter.