

American Chemical Society

Form: Part II - Annual Narrative Report
Organization: Nashville
Year: 2007

A. Activities

Please describe and rank up to ten of your section's activities during 2007. Provide (a) the title of the activity, (b) a one paragraph description of the activity, and (c) an indication if this activity was new in 2007. If you wish to provide details beyond these paragraphs, please do so in Appendix 1.

Activity #1

a) Title: Women's Chemist Celebration at MTSU

Description
(Please limit to
b) one paragraph): Under the direction of Women's Chemist Committee chair, Dr. Judith Iriate-Gross, 2007 started off with a huge success by the committee hosting Dr. Geoff Rayner-Canham and Marelene Rayner-Canham. Two salutes to excellence were given to them for outstanding contributions and dedication to the advancement of chemistry through research, publications, teaching, presentations on the history of Women in Chemistry and your many other outreach efforts. We had a diversity of members, students, and non members come to hear her lecture and enjoy the celebration.

c) This activity was new in 2007

Activity #2

a) Title Mayors 1st day of School/chemistry booth

Description
(Please limit
b) to one paragraph): Over 25,000 students and their families visited the "Many Faces of Chemistry" booth at the Mayors 1st Day of School Event in Nashville on August 12th. Students were given a copy of "Celebrate Chemistry" activity guide and did hands-on activities with volunteers from the Nashville Section of the ACS. Each student received a pencil with "I am the Face of a Chemist" printed on it.

c) This activity was new in 2007

Activity #3

a) Title Earth Day Walk for Multiple Sclerosis

Description
(Please limit
b) to one paragraph): An Earth Day booth was manned by volunteers and other Nashville section volunteers walked in the Walk for the Cure for MS on Earth day 2007 in Gallatin, Tn. Over \$1500 was raised. Students were given a copy of "Celebrate Earth Day" activity guide.

c) This activity was new in 2007

Activity #4

a) Title: Science and Math Expo hosts over 1500

- Description
(Please limit
b) to one paragraph):
- Volunteer State Community College science department was the site where the record for Mentos/Coke reaction Guinness book of record was broken in March of 2007. Over 1500 students participated along with parents and family in a very chemical, educational, and fun day of turning kids on to chemistry. This event was directed by Parris Powers Nashville ACS member and Chemistry Department chair.
- c) This activity was new in 2007

Activity #5

- a) Title: Fisk Altitude Achievement Missile Team

- Description
(Please limit
b) to one paragraph):
- Integrating chemistry and physics is what made the Fisk University Missile team a winner this past year. The mission of the team is to design, build, and launch a rocket which will deliver a scientific payload to an altitude of one mile. The team is also committed to outreach exposing Nashville's youth to rocketry for a positive and enriching educational experience. The Nashville section helped to sponsor this open house and exhibit for the team.

- c) This activity was new in 2007

Activity #6

- a) Title: GRITS Girls Raised in Tennessee Science

- Description
(Please limit
b) to one paragraph):
- Under the direction of Dr. Judith Iriate-Gross, the GRITS (Girls Raised In Tennessee Science) Collaborative Project collectively pulls resources together to build a stronger community across Tennessee in support of girls and women in science, technology, engineering, and mathematics (STEM). The GRITS Collaborative Project wants Tennessee to be the premier state in the nation for women with STEM degrees and STEM careers. We hope that it will become the norm and tradition for girls and women in the south, and especially in Tennessee, to pursue science, technology, engineering and mathematics education and careers.

- c) This activity was new in 2007

Activity #7

- a) Title: A Day of Chemistry at TSU

- Description:
(Please limit to
- Chemistry Hall of Fame Museum (Biographies of Nobel laureates and TSU alumni), Career Fair All Day (Chemistry opportunities demonstrated in the corridor), Chemistry Challenge (Test your recall by joining the game of Chemistry Pursuit), Student Poster Presentations, and Chemistry Demonstrations in the chemistry lab, these are a few of the happenings at the Day of Chemistry at Tennessee State University on March 22. Under the direction of Dr. Cosmas Okoro TSU students reached out to high school students and other students on campus to show them the advantages of

b) one paragraph): taking chemistry.

c) This activity was new in 2007

Activity #8

a) Title: MTSU Cookie Periodic Table

Description:
(Please limit to
b) one paragraph): The Periodic Table of Cookies and MTSU drew National attention in C&EN news with the colorful and yummy display done by the Student Affiliates of Middle Tennessee State University This was done as a exhibit for their "Many Faces of Chemistry/Mole Day" open house. As the students chose a cookie they were educated on the element and it's properties. This event was educational, fun, and good to eat.

c) This activity was new in 2007

Activity #9

a) Title: Golden Goggles Award

Description:
(Please limit to
b) one paragraph): The 12th Annual Golden Goggles award was given to Professor Nicola Pohl from Iowa State University by the Middle Tennessee State Univeristy Department of Chemistry and co sponsored by the Nashville section of the ACS on April 9, 2007. The lecture drew over 100 people to hear her talk on Glycomics and automated solution-phase oligosaccharide synthesis . She was given the traditional plague with a pair of golden goggles mounted to it to commorate the occassion and award.

c) This activity was new in 2007

Activity #10

a) Title: Tennessee Science Teachers Professional

Description:
(Please limit to
b) one paragraph): Ruth Woodall and Dr. Judith Iriate-Gross held a 3 hour workshop for Tennessee 5-12 science teachers in November, 2007. The theme was "Many Faces of Chemistry". Each teacher was given a packet of materials and classroom set of activity guides to take home to help with doing the activities. Additionally, section members manned a both to encourage teacher participation in the local section.

c) This activity was new in 2007

B. Summary - Overall Section Activities

Please summarize in *1,000 words or less*, the activities of the section in 2007 which have not been already described. Outstanding events should be described in some detail and appropriate attachments included in Appendix 3. Programs described here may be featured in publications produced by the ACS Membership Division and/or at the Local Section Leadership Conferences.

In 2007 members and volunteers were asked to

complete a reporting form when they did outreach activities in the community. Those outreach activities ranged from nursing home visits, school visits, mall displays, professional development for teachers, Teacher Affiliates, planning SERMACS 2008, Demomania that MTSU students do each semester, all of the other student affiliate activities that involves the support of the ACS members, long-range planning, op-eds in the newspaper and on public radio each month, to large events at Vanderbilt and other venues all across our section. With over 500 members there is never a month that our members are not involved in some kind of outreach activity. Nashville is trying to perfect a way to keep up with those volunteer hours so we can properly report those hours to the ACS. 2007 we did a better job of reporting than ever before.

C. Local Section and Chair Goals

2007 Goal Attainment. The Local Section Activities Committee strongly encourages local section planning. As a result, the 2007 local section annual report should follow-up on the attainment of goals. Please list the goals you set at the beginning of your term for your section and yourself, and report on the attainment of the goals.

a) **Local Section Goals and Assessment:**

The Section priorities for 2007 focussed on 4 areas. Increased membership, outreach, planning for SERMACS 2008 increased regional collaborations between local sections. We have made significant progress in each of these goals. During the past year, the section launched its "Many faces of chemistry" campaign created by Ruth Woodall to reach out to the diverse groups of professionals that fall under the umbrella of chemist.

Each section meeting, there was an award for excellence to one of these groups: high school teacher, chair/board, women in chemistry, industrial partners, etc. And recruiting information was distributed and new members enrolled at the meetings.

Planning for SERMACS continued apace, with the SERMACS steering committee making wonderful progress. There is growing enthusiasm within the section for this upcoming event.

Our outreach efforts continue to expand with focus in women in science events (Expanding your Horizon's program, GRIT, and sponsored events), public school outreach (Mayor's First Day, Earth Day, Science Fair, Chemagination, and Chemistry Olympiad support) and sponsorship of the Fisk Altitude Achievement Missile Team. This year, section members interacted with literally tens of thousands of children, parents and students from K-college. There is no doubt that this was our most successful outreach year.

b) **2007 Chair's Goals and Assessment:**

The goal's during the past year mirror those of the section in the 4 areas of Increased membership, outreach, planning for SERMACS 2008 increased regional

collaborations between local sections. As the chair, it has been chiefly my responsibility to play cheerleader for the wonderful and dedicated group of active, participating board members and section participants in the Nashville Section. They have made it easy to achieve the goals of the section.

One area that the chair has been able to facilitate the section's efforts is in the outreach to the other nearby sections. Such cooperation was encouraged at the initial leadership conference and are into regional planning for ACS circuit speakers, cross-presentation to each other's sections, state wide participation in the TN High School Science Teacher's annual meeting and in the gubernatorial declaration of National Chemistry Week. It has been professionally very gratifying to see these ties strengthened between the TN/KY regional local sections.

2008 Goals. (This section should be completed by the 2008 local section chair.) Please list below at least 2. three goals that you and your local section plan to accomplish during your term as local section chair.

a) 2008 Local Section Goals (Include at least three goals):

In 2008, there will be considerable emphasis on the organization and hosting of the South East Regional Meeting of the ACS (SERMACS 2008)- Living and Working in a Material World. The meeting to be held November 12-15 will be the culmination of a 3 year planning collaboration between many members of the Nashville Section and collaboration with other nearby local sections. This integration of effort and participation is the result of our previous goals of expanding interactions with other nearby sections. Further, we have started to draw in previously inactive members to volunteer their time and services for the meeting.

The second significant goal for 2008 will involve leveraging the momentum of the SERMACS meeting into revitalizing membership participation. The Nashville section, while having a core participation group between 50-100 members, has a number of other members inactive in the section. Through a ACS Local Section Innovative Program Grant: "Each One Reach One," we hope to have active members encourage the participation of new and inactive members throughout the section. We believe that given the opportunities for many to participate at SERMACS, we will see a significant increase in local section membership participation.

Our third major goal for 2008 is to heighten our profile with industry and industrial members in the Sections. By raising the awareness of this largely untapped sector of our membership, we hope to increase their participation Section activities such as National Chemistry Week.

We will also emphasize our growing bonds with the other nearby local sections. In the past two years, we have hosted joint meetings, introduced regional planning for circuit speaker requests, and we expect significant joint efforts for SERMACS 2008.

b) 2008 Chair's Goals:

The Chair's goals for 2008 reflect those of the section: a successful SERMACS 2008, increased participation by inactive members through out the section, a heightened profile with local industry, and enhanced collaborative efforts between nearby local sections. By continuing the exciting programs that have been developed and generating the incredible enthusiasm required to host the Regional ACS meeting, I expect that the 2008 year will be very memorable for the Nashville Section.

D. Suggestions/Concerns

List any suggestions you have for the Local Section Activities Committee (LSAC). How can LSAC specifically help your section?

It will be a significant challenge for the section to balance the daily, healthy activities of the section during the year of SERMACS. It will be important for everyone to not forget that the section will be here after SERMACS has gone on to be hosted by someone else.

For this reason, there remains significant opportunities for rank and file members of the section to expand their participation and help the Nashville section continue to grow in a positive direction.