

American Chemical Society

Form: Part II - Annual Narrative Report
Organization: Indiana
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: Percy Julian Indianapolis Event

Description
(Please limit to
b) one paragraph):

An event honoring Percy Julian was held on January 24, 2007 at the January 24, at the Glendale branch of the Indianapolis-Marion County Public Library, 6101 N. Keystone Avenue, to celebrate the life and contributions of pioneering scientist Percy Lavon Julian. Alumni of DePauw University and members of the science community gathered to celebrate the accomplishments of a pioneer chemists. The event was sponsored by the Indianapolis Regional DePauw Alumni Association as well as the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE) and the American Chemical Society (ACS). A reception began at 5:30 p.m. followed by a program starting at 6 pm. The program included remarks by Joseph S. Francisco, Purdue University professor and president of NOBCChE; Beth Lorschbach, chair of the Indianapolis Section of the American Chemical Society; a preview of the PBS program; and audio presentation by Neal B. Abraham, executive vice president of DePauw University; and welcoming remarks by Lisa Bennett '93, vice president of the Alumni Board.

c) This activity was new in 2007

Activity #2

a) Title: Women in the Lead

Description
(Please limit
b) to one paragraph):

In celebration of 80 years of the WCC (Women Chemists Committee), a networking and recognition brunch was hosted by the women chemists of the Indiana section. The Indiana section selected seven "Women in the Lead" to receive an Outstanding Achievement Award in Chemistry.

c) This activity was new in 2007

Activity #3

a) Title: Science Cafe-IUPUI

Description
(Please limit
b) to one paragraph):

On December 5, 2007 the Indiana section hosted a Science Cafe on "Stem Cells: Are all stem cells alike? Who cares if they are not?". This event was held on

- Description
(Please limit
b) to one paragraph):
- the Indiana University Purdue University at Indianapolis campus. The audience was made up of students, faculty, ACS members and the public. Professors Merv Yoder and David Ingram were speakers who debated the issues of stem cells.

- c) This activity was new in 2007

Activity #4

- a) Title: Science Cafe-University of Indianapolis

- Description
(Please limit
b) to one paragraph):
- On November 29, 2007 the Indiana section hosted a Science Cafe on "Organic Foods". The event was held at the University of Indianapolis Schwitzer Student Center with Dr Chuck Landon of Nature's Cupboard and Dr. Don DeVries of Dow AgroSciences leading the discussions on the pros and cons of organic foods.

- c) This activity was new in 2007

Activity #5

- a) Title Parameters of Destruction

- Description
(Please limit
b) to one paragraph):
- On January 17, 2007 the Indiana section hosted an exciting and interactive seminar by Dr. Ann Cutler, the section secretary and Professor of Chemistry at the University of Indianapolis. Dr. Cutler discussed "Parameters of Destruction: The fascinating science of flames and explosions". A record crowd of over 100 people were on hand to experience controlled explosions.

- c) This activity was new in 2007

Activity #6

- a) Title: Indiana Section Baseball Night

- Description
(Please limit
b) to one paragraph):
- The 7th annual Baseball night was attended by 30 members and their guests. On a very hot and humid July evening, the attendees participated in Baseball and Chemistry trivia, ate hot dogs and popcorn.

- c) This activity was new in 2007

Activity #7

- a) Title: Earth Day at Ball State

- Description:
(Please limit to
b) one paragraph):
- The 2nd annual Earth Day celebration was co-sponsored by the Indiana section and Ball State University SAACS. The Earth Day event was held on the Cardinal Greenway on the Ball State campus and attracted over 500 members of the public. Hands on chemistry demonstrations and literature on recycling were available.

- c) This activity was new in 2007

Activity #8

a) Title: National Chemistry Week Celebration

Once again, this year's National Chemistry Week Celebration was a remarkable success. The Indiana Section continues to benefit from the use of the Indianapolis Children's museum to hold its NCW events. This year over 3,700 visitors were treated to hands-on demonstrations around "The Many Faces of Chemistry". These activities included scientist paper dolls, forensic chemistry and tools that chemists use. Both academic and industry representatives were on hand to excite and teach the next generation of chemists.

Description:
(Please limit to

b) one paragraph):

c) This activity was new in 2007

Activity #9

a) Title: Section Poster Session

The Indiana section hosted its 8th annual poster session at Eli Lilly and Company on October 11, 2007. This year's poster session continued the section's goal to have a forum to enable academic students and industrial scientists to share important research. The 8th annual poster section featured eighty posters from local colleges and industry over a broad range of topics. The keynote speaker was Dr. Tony Zhang, Senior Research Fellow in the Chemical Product Research and Development Division at the Lilly Research Laboratories. Dr. Zhang emphasized the role of future chemists will have in the world and encouraged them to pursue careers in science.

Description:
(Please limit to

b) one paragraph):

c) This activity was new in 2007

Activity #10

a) Title: Second Annual Wizards Academy

Back by popular demand! Due to the overwhelming support and excitement of last year's Wizards Academy the section hosted the second annual event in October. Participants enjoyed magical creatures by the Indianapolis Zoo, levitation classes (optics and magnetism), incantations and magical muse (physics and sound) and transfiguration (chemistry). At the conclusion of the event, children were presented with an official diploma designating them "Wizard in Training-First Class".

Description:
(Please limit to

b) one paragraph):

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.

Every year the Indiana section finds new opportunities to improve and provide quality programs for its members. This year was no exception. The year began with a bang- literally as the sections own Ann Cutler gave an outstanding presentation on explosions. As chemists we are still excited and amazed by the nature of the chemicals we use and the power they possess. The section had the privilege of co-sponsoring an event celebrating the life Dr. Percy Julian. Percy Julian's story is a remarkable one of perseverance and scientific achievement. The formal program included speakers from DePauw's Alumni Association, NOBCChE, and the ACS. The evening culminated with the showing of a 30 minute excerpt from the NOVA special "Forgotten Genius" that aired February 6, 2007.

Several other new programs were hosted by the Indiana section this year including two Science cafés, numerous cutting edge seminars, and a WCC networking brunch. Remarkably, the section was able to provide these new programs without sacrificing the sections staple programs- National Chemistry Week celebrations, the Sections Poster Session, and Project Seed. In fact, this year mark an expansion of the sections Project Seed program. Section member and past chair- Brian Mathes had the creative idea to provide travel and accommodations for the Project Seed students and one parent at the National ACS meeting in Boston. Brian worked with Eli Lilly and Company to secure funding for the students, parents and chaperons at the fall meeting. This was an opportunity of a lifetime for these students, as they were able to present their research, interact with scientists and for many leave the state of Indiana for the first time.

As mentioned previously, the Section has a number of yearly programs that our members look forward to each year. The Section Baseball night is a great example. Another program is our High School Chemistry Teacher Appreciation night. So many of us would not be chemists if it weren't for a high school chemistry teacher making chemistry fun! This is the Section's chance and so many of us to say thank you to the hard working and under valued high school teachers who are preparing the chemists of tomorrow. The Section's Poster Session is another event that attracts many from within and outside. This is one of the section's staple programs highlighting cutting edge research and providing many an opportunity to discuss science. Moreover, the section continued to support undergraduates through travel and grant awards of over \$4000.

The section hosted four dinner events, one of which was on Nanoengineered Drug Delivery. Malcom D. Prouty from the Institute for micromanufacturing, Louisiana Tech University, Ruston, LA presented a seminar entitled "Layer-by-Layer Nanoengineered Magnetic Encapsulation System for Drug Delivery." The seminar was attended by 30 people and held at Dow AgroSciences. Mr. Prouty described his work involving the preparation of various nano-scale layered particles and their applications. A second dinner event focused on carbohydrates and the section was honored to have Dr. James BeMiller of Purdue

University. The audience of 30 students, faculty and ACS members were treated to his research on carbohydrates as the heroes and villains of our daily diets.

All of the programs-new and old would not be possible without the tireless efforts of the volunteers. The Indiana section is fortunate to the financial backing of two large industry supporters Eli Lilly and Company and Dow AgroSciences. However, without the volunteers to plan and imagine the programs, no monetary amount is enough. The section is committed to finding new members and volunteers. This year's elections are a testament to these efforts as many of the leadership positions are now held by new members. This will be a challenge and focus of the Indiana section, how best to attract and retain its members and more importantly its invaluable volunteers.

The 2007 year was again an outstanding one for the Indiana section, as new programs were added to an already extensive programming calendar. The section and its volunteers continually challenge themselves to provide inspiring and fun opportunities to its members and the public.

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:

Goals for Indiana Section 2007.

1. Develop and/or increase minority outreach programs

The Indiana section would like to sponsor programs aimed at increasing Chemistry awareness and provide opportunities to minorities.

2. Revise section travel awards and grants

The Indiana section would like to develop criteria and definitions for the section travel awards and grants.

3. Increase attendance at member program meetings by 10%.

The Indiana section would like to increase attendance at member programs by 10%. We have been tracking attendance the last couple years and have gained a better insight into which locations and programs attract more attendees.

As chair I could not be more proud of the section's efforts this year, not only have we met our goals but in some cases surpassed even our own expectations.

1. Develop and/or increase minority outreach programs. There is no doubt the section made a commitment to providing quality programs and opportunities for minorities. The Percy Julian Event was a great way to start the year. This year's Project Seed program could serve as an example to

other sections how to build on a successful program. The section was able to provide travel and accommodations for this year's Seed students, parents and chaperons. Moreover, the section continued its outreach to Indianapolis Public Schools by providing vouchers for admission into the Children's Museum for this year's National Chemistry Week celebration.

2. Revise section travel awards and grants.

The section made great strides to revise our outdated travel awards and grants. We established a committee to review these awards and grants. The committee is still working on revising the criteria for travel awards and grants, no small undertaking considering the diverse meeting requests the section receives every year.

3. Increase attendance at member program meetings by 10%.

The section has a firm grasp on which programs will rally its base and attract members to the meetings. Clearly, hands-on demonstrations such as explosions and NCW are big draws. Current and hot topics such as organic foods and stem cell research also attract good crowds. The Section will no doubt continue to build on this year's success of increased attendance by offering important, news worthy and exciting programs.

b) 2007 Chair's Goals and Assessment:

In 2007, I would like to have a Chair's Blog, or Beth's Blog on our local website. I will be discussing the section's activities and chemistry facts.

Assessment: The fact is Beth's Blog didn't get off the ground this year. The main reason was that the current access to the section's website is only allowed by the website master. So to post the blog comments had to go through the webmaster or through a separate website (free blog website) and provide a link on the local website. I still think this is an interesting way to attract and communicate with the section and perhaps there are ways to better implement this in the years to come.

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):

1) Successfully secure funding for our programming.

- A change in how one of our main corporate donors handles donations now require that we formally request funding for each event 2 months prior to that event. Successfully submitting and acquiring funding via this new process is critical for our chapter's success in 2008.

2) Investigate ways to decrease the amount of time executive committee members spend doing the administrative work needed to organize events.

- This problem has been identified as a root

cause of why we have had a hard time maintaining some of our section's events. We are looking into potentially hiring an event planner to handle the logistics associated with organizing some of our events.

3) Increase involvement from the whole membership in our programming and events.

b) 2008 Chair's Goals:

1) To make sure that a grant application is filed on time for each of our section's major events.

2) Try to find ways to bring in new members to coordinate and lead some of our highest profile events.

3) Create a job role/responsibility "manual" for the section.

D. Suggestions/Concerns

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