



## May Dinner Meeting

### Collaborative Drug Discovery Research in an Academic Setting

Dr. Paul Helquist –University of Notre Dame  
Department of Chemistry & Biochemistry  
Tuesday, May 17<sup>th</sup>, 2011

- Social Time:** 5:00-6:00 (Cash Bar)  
**Dinner:** 6:00-7:00  
**Talk:** 7:00-8:30  
**Dinner Location:** Houlihan's 4240 N Main St, Mishawaka, IN 271-3663  
**Menu:** Choice of Rosemary Chicken, Pot Roast or Vegetarian Pasta Entrees, Ice Cream Soft Drinks, Coffee or Tea ( Please indicate entrée choice with RSVP)  
**Dinner Cost:** \$15 ACS Members & Guests – Chemistry Olympiad Teachers and Students Free

**Abstract:** In a joint set of ventures, the Wiest and Helquist laboratories at Notre Dame, specializing in computational chemistry and drug synthesis, respectively, are supported by various funding mechanisms to reach out to investigators in other fields and at many institutions to form multi-disciplinary collaborative teams for the purpose of drug development. Most often, the external collaborators are at medical schools or other biomedical institutions and have major strengths in biological or clinical studies but do not have the chemistry expertise required for drug development. These collaborators have often identified a potential therapeutic protein target from cellular studies, or they have conducted compound screenings to identify initial hits. The next logical steps in these investigations are the design of protein binders or hit optimization, requiring the computational and synthetic chemistry input of our laboratories. The resulting compounds are provided back to the external collaborators and other appropriate parties for more extensive biological studies. Over the past few years, these collaborative ties have been established with many investigators at Cornell University Weill College of Medicine, Tufts University Medical School, Columbia University College of Physicians and Surgeons, Washington University School of Medicine, University of Texas Southwestern Medical Center, Broad Institute, Dana-Farber Cancer Institute, Purdue University, State University of New York at Albany, and Biological Sciences at Notre Dame.

This presentation will place emphasis on our strategies of drug development efforts employed in pursuing leads with our collaborators. Examples will include potential drugs for treating cancer and a rare, inherited disease.

**Biography:** Professor Helquist received his B.A. in chemistry in 1969 from the University of Minnesota. He went on to earn his Ph.D. in organic chemistry in 1972 from Cornell University. After a year and a half as a postdoctoral fellow at Harvard University, he joined the faculty at the State University of New York at Stony Brook in 1974, where he became professor of chemistry. In 1984, he moved to Notre Dame, where he served as department chair for five years. He maintains close collaborative research ties with laboratories in Sweden, Belgium, Denmark and Japan.

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## Executive Committee Meeting Minutes

Saint Joseph Valley Section (ACS)

Executive Committee Minutes -April 20<sup>th</sup> 2011- 4:00pm Teleconference

Present: Dan Brown (Chair&amp; Past Chair), Andy Edelbrock (Secretary, Filter Paper Editor &amp; Webmaster), Pat Boettcher (Treasurer), Patsy Boehler (NCW)

1. May ACS dinner talk will be Tuesday May 17<sup>th</sup> at Houlihan's. Dan arranged for Dr. Paul Helquist to provide the lecture. The cost will be \$20/person. The Executive Council agreed to invite the Chemistry Olympiads, teachers and parents. The teachers and students meal will be free while all others will be subsidized such that the cost will be \$15/person for members and parents.
2. It was also agreed that the approximately 10 chemistry Olympiad students will be presented with Merck Index's again this year
3. Pat gave the Treasurers Report and indicated that National is a little slow this year with our allocation. We currently have Total Assets at \$24,602.48 which includes approximately \$828 in local section voluntary dues this year but not our dues allotment that should be \$7241.
4. Patsy brought up that the City of Elkhart is planning on honoring Helen Free by giving her the keys to the city at a brunch on May 27<sup>th</sup> for her recent awards of the Presidential Medal for Technology and Innovation, Induction into the Women's Hall of Fame, the National Chemistry Historic Landmark, and the Inventors Hall of Fame. The City is planning a brunch and is looking for sponsor/sponsors to provide the brunch. The executive committee felt it needed more information as to the projected cost before deciding what level of sponsorship. It also felt that if we sponsored the brunch, we should be able to provide a speaker to leverage the local and/or National ACS's mission and visions. It was felt that former Past Chair Joe Francisco might be an appropriate choice. The brunch will be for around 100 people, 60 quests provided by Helen and 40 from the Mayor's office. Patsy was to determine the costs during a meeting on Friday the 22<sup>nd</sup> and provide the information to the Executive Council for further consideration.
5. International Year of Chemistry (IYC) was briefly discussed and Dan included several of the H2O experiments that can be found online at the ACS web site. He indicated that both Rui and Jing had expressed an interest and we discussed about the possibility of reaching out to the local schools especially where member's children attend. Patsy pointed out that the schools have rigorous state standards that must be followed and volunteered to have the ETHOS staff look over the experiments to determine what grades would be appropriate to work within the standards.
6. Pat brought up that our section SEED commitment agreed to at the last Executive Council meeting was for \$3000 and he needed to know where he was to send the check.

Respectfully Submitted,

Andy



## 241<sup>st</sup> ACS National Meeting Councilors Report

Anaheim California

There were a couple of non-governance issues that I heard a lot about at this meeting: jobs and innovations through chemistry. In the area of jobs, there is a lot of concern about the loss of jobs by chemists and the inability for older and younger chemists to find gainful employment. On the other hand, there were a number of symposia dedicated to recent innovative advancements toward new energies and sustainability, all developed by chemists.

To read about the meeting highlights go to [acs.org](http://acs.org) and click on the "Spring National Meeting Highlights" tab

Last year, President Joseph Francisco put together a task force to address the issue of "[Building a Robust Workforce in the US.](#)"

A couple of high school students wrote a rap song and dance that was performed in the hall where SciMix was held. Your esteemed Councilor was not present! The performance can be viewed at [Chemists Can Dance](#). (Note that if you expand the link below the video you can read the words, in case it goes to fast for you.)

The following actions were taken at Council

- The Committee on Nominations and Elections presented to the Council the following nominees for selection as candidates for President-Elect, 2012: Judith L. Benham, Dennis Chamot, Diane Grob Schmidt, and Marinda Li Wu. By electronic ballot, the Council selected Dennis Chamot and Marinda Li Wu as candidates for 2012 President-Elect. These two candidates, along with any candidates selected via petitions, will stand for election in the Fall National Election.
- In spite of the economic challenges faced in 2010, the Society's operating performance held up remarkably well. Total revenue was \$463.7 million, up +0.8% from 2009, and \$2.4 million (+0.5%) higher than the 2010 budget. The Net from Operations was \$23.8 million, or \$11.9 million favorable to budget. This resulted largely from cost containment initiatives and lower-than-budgeted salaries and fringe benefits.
- The Council VOTED to set the member dues for 2012 at the fully escalated rate of \$148. This rate is established pursuant to an inflation-adjustment formula in the ACS Constitution and Bylaws.
- The Council VOTED to continue for three years the current formula for determining allotments to divisions.
- The Council received one petition for consideration: The Petition on Position Statements. The Petition on Position Statements seeks to assure that the Board of Directors has primacy in issuing position statements that establish policy for the full Society and that Society bodies other than the Board may issue statements on issues that fall solely in their jurisdiction so long as they do not impair other Society bodies' ability to do the same. Action is expected on this petition at the fall Council meeting.
- The Council was reminded of grant deadlines from the Committee on Local Section Activities as follows:
  - Science Café Grants – Ongoing
  - Bridging the Gap: Student Member Grant – December 1
  - Bridging the Gap: IYC Grant – June 1
  - Innovative Project Grants – June 30
  - Joint LSAC/IAC International Interaction Grant – TBA
- Membership recruitment efforts were exceptionally successful in 2010. It is particularly impressive that due to efficiencies in recruiting efforts, the net cost to recruit the more than 25,000 new members decreased from \$122 per member in 2008 to \$67 in 2010 despite increases in costs for postage and printing. The official membership number for 2011 stands at 163,111.
- As of March 30, 2011, the ACS spring national meeting had attracted 14,047 registrants as follows: Regular attendees, 7,336; Students, 4,682; Exhibitors, 1,097; Exposition only, 599; and Guests, 333.
- The Council VOTED to amend the charter of the Committee on Technician Affairs to include updated terminology.
- The Council VOTED to change the name of the Northeast Oklahoma Section to the Northern Oklahoma Section. This name change is due to the recent merger of the North Central Oklahoma Section and its territories into the Northeast Oklahoma Section. The proposed name change more closely reflects the combined territories of the two Sections.
- The Council VOTED to authorize the formation of the following two new international chemical sciences chapters: the Shanghai International Chemical Sciences Chapter and the Thailand International Chemical Sciences Chapter.

This is my last year as Councilor for the St. Joseph Valley section. I will participate in the fall Denver meeting and complete 15 years in this position. It is time for someone younger and more energetic to take over☺ I would be happy to talk about what is involved with anyone interested.

For those considering, the Councilor reimbursement allotment is not sufficient to cover registration, housing (particularly in ACS selected hotels), and transportation to both meetings each year. I have been generously supported by Saint Mary's College. Since I am retiring from there as well, that funding will no longer be available. Anyone considering this position should have an employer funding resource, or expect to provide his/her own funding for one meeting a year.

J. Philip Bays



# May Dinner Meeting Directions

