



the Alembic

Chair's Corner

It doesn't seem possible, but this year is already drawing to a close. The last two years have been quite a learning experience for me. I would like to thank the Executive Committee for their patience and encouragement over this time. Jim Waelchli as Chair Elect has planned very good programs for next year and I will take this, my last chance, to encourage you to become active in the chapter and to attend meetings that may interest you. Unfortunately neither he nor I will be able to see all the results of his planning. Both of us have been affected by company mergers and downsizing. He

will be leaving in December for Boston and even as I write this, I am preparing to leave tomorrow for Austin, Texas where I have taken a position with a new company. There is yet another good meeting scheduled for December as described elsewhere in this edition. It will be an excellent opportunity to delve into the world of polymer chemistry.

Happy Holidays to all and may next year be one of peace and prosperity for all of you.

Gary

ACS - CWS Mini-Directory

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American Chemical Society

Central Wisconsin Section



"Polymers: Biomedical Applications of Synthetic Materials"

by

Dr. Hyuk Yu

Walter H. Stockmayer Professor and Eastman Kodak Professor of Chemistry
University of Wisconsin-Madison

Thursday Evening
16 December 1999 7:30 PM
University of Wisconsin - Stevens Point
Trytten Lecture Hall
Room A121 Science Bldg.

About the Speaker

Hyuk Yu received his bachelor's training in chemical engineering at Seoul National University in Korea. His senior year in high school was punctuated by the Korean War during which he served for 7th Division of the U.S. Army as a field interpreter. Upon coming to America in 1955, partly subsidized by his Army friends, he received a M.S. degree in organic chemistry at University of Southern California and his Ph. D. degree from Princeton in 1962. After a postdoctoral period at Dartmouth College under Professor Walter H. Stockmayer, he moved to the Polymers Division of National Bureau of Standards, which is now called National Institute of Standards & Technology. In 1967, he joined Department of Chemistry of the University of Wisconsin-Madison and has remained there ever since. He was away for a semester in Korea as a Fulbright-Hays Lecturer in '72, as a John Simon Guggenheim Fellow at Mainz, Germany in '84, and as an Alexander von Humboldt Awardee at University of Cologne in the summers of '94 and '95. He has supervised 47 Ph.D. students, sponsored about 25 postdoctoral associates and visiting professors, and mentored about 50 undergraduate research students. His honors include the High Polymer Physics Prize of the American Physical Society in '94, HoAm Prize in Basic Science from the Samsung Foundation in '97, the Distinguished Service Award in Polymer Science from the Society of Polymer Science-Japan, and the Langmuir Lectureship Award of the Division of Colloid & Surface Chemistry of American Chemical Society this year. His teaching responsibility includes general chemistry and physical chemistry for undergraduates, and statistical thermodynamics, macromolecular chemistry and polymer rheology for graduate students.

Prior to the meeting, a 5:30 PM mixer and a 6 PM dinner will be held at Michele's Restaurant, 513 Division St. (Business 51 North, adjacent to UWSP campus). The all inclusive dinner will include choice of several entrees, side dishes, coffee, milk, tax and tip for about \$15. *After dinner, drive three blocks east on Fourth Avenue to reach Parking Lot X on campus. The Science Building is adjacent to the lot and the Trytten Lecture Hall is just inside the main entrance.* **Reservations may be made by leaving a message with Tom Zamis at 715-346-3258 (or email tzamis@uwsp.edu) by noon Wednesday December 15.**

Tentative Year 2000 ACS Schedule

Month	Date	Speaker	Topic	Location	Host
February 2000	Monday February 28 ?	Dr. Marlowe Embree	Topic to be centered around careers	Wisconsin Rapids	David Thiel
March 2000	Thursday March 23	James Webb Otis Rothenberger	Is it Chemistry or Magic?	Stevens Point	Tom Zamis
April 2000	Thursday April 27	Sarah Blendermann	Boogie-Boarding the Internet- Getting the Most Chemistry from the WWW	Rothschild	Iлона Lin
May 2000	early to mid	Hope to have several retired chemist from our section to speak a few minutes each	Salute to Retired Chemists	Neillsville	Bill Penker
September 2000	Thursday September 14	John Marquart	Caves: Worlds within the World	Eau Claire	Bob St Louis
October 2000	Thursday October 12	Dr Kenneth Abate	History of Surfactants	Marshfield	Tom Marty
November 2000	First week	Tip Randall	Patent Systems Updates	Eau Claire	David Lewis
December 2000	First week	Ronald Haas	Tour of Marshfield Clinic Laboratories	Marshfield	Ronald Haas

National Chemistry Week Report

by Iлона Lin

Preparation for National Chemistry Week started in September. The American Chemical Society's headquarters provided Science magazines that targeted elementary and high school students. 1000 copies of the "Wonder Science" magazine have been distributed to elementary schools in Central Wisconsin. "Chem Matters" magazines for high school students were distributed throughout the school districts. The 1999 year's unifying event was "Salute to Polymers." In the contest, the teachers were asked to brainstorm with their students about the applications of polyacrylics. Consequently, I have several entries to the contest.

National Chemistry Week was celebrated in all of our major cities in Central Wisconsin. Two chemistry teachers in Marshfield had different activities every day during the week. Marv Lang, Don Showalter and Gary Shulfer had their famous chemistry demonstration, "Learning Chemistry is Fun," in Wausau, Stevens Point, and Minneapolis within that week. Sue Hall held two lectures about polymers in Stevens Point. Bob St. Louis worked with middle school students in Eau Claire during that week, and has his undergraduate students doing chemistry

demonstrations in elementary schools year round.

Mary and Chuck Daly, Henry Hoftieser, and Jim Waelchli from Wausau held hands-on demonstrations at the Children's Department at the Marathon County Public Library. Mary Daly involved her family and her students in doing experiments with children about basic principles of chemistry. These talented teenage girls spent a whole Saturday showing children how to make slime from glue and the difference between acids and bases. Considering all the liquid and glue within the reach of young children, everything was kept in order and our corner remained relatively clean. We got a lot of compliments from the parents and the librarians. John Hollis and I had been working weeks ahead to publicize the events in Wausau. Both events were well attended, and we got some media coverage. The chemistry demonstration was on the evening news, and the Wausau Daily Herald covered one of the elementary school activities.

National Chemistry Week gives an opportunity for the public to understand that a chemist is not a mad scientist and that not all chemicals are bad. Chemistry is part of many aspects of life from food preparation to space travel. Advances in chemical technology make our life easier and provide many products that we could not even think of living without.

ACS-CWS Web Page

<http://chemdept.uwsp.edu/acscws/>
or you can link there from the American Chemical Society home page - Local Sections. Contains the most up-to-date information about section activities.

1999 Election Candidates

For Chair Elect:

David E. Lewis, Ph.D.

Professor of Chemistry, UW – Eau Claire

Education:

University of Adelaide, Adelaide, South Australia
B.Sc. 1972 (Chemistry); B.Sc. (Hons.) 1973
(Organic Chemistry); Ph.D. 1980 (Organic
Chemistry).

Professional Experience:

7/81-12/88 Assistant Professor-Associate Professor
of Chemistry, Baylor University
1/89-5/97 Associate Professor-Professor of
Chemistry, South Dakota State
3/92-5/97 Director of Chemical Research,
MicroBioMed Corporation
6/97- Professor, Department of Chemistry
UW - Eau Claire; Chair 6/97-5/99.

Professional Societies:

American Chemical Society (Secretary-Treasurer,
Heart O'Texas Section, 1982-84; Councilor,
Sioux Valley Section, 1991-96)
Royal Australian Chemical Institute (elected Fellow
1998)
Sigma Xi.

Miscellaneous:

Listed, "American Men & Women of Science"
Listed, "Who's Who in Science & Engineering"

For Secretary/Treasurer:

Ilon Lin, LignoTech USA

I was born and raised in Budapest, Hungary, while Hungary still belonged to the East-block. I worked a year in a metallurgy lab before attending the Polytechnic Institute of Budapest where I earned a chemical engineering degree with a major in polymers. Shortly after graduation my family immigrated to Sweden.

In Sweden I found employment in the Forest Product Laboratory where I obtained an intermediate degree in Wood Chemistry. There I met my late husband, Steve, who later brought me to the United States. First, we lived in Charleston, South Carolina where I worked as a medical technologist at the Medical

University of South Carolina. As the supervisor of the Tissue Typing Laboratory, I worked mostly with organ transplants, but we also did genetic studies and studies with immune response.

After our family moved to Wausau, I stayed home with my two young children. As a homemaker I was involved with numerous non-profit organizations where I learned to do fundraising and organizing various events. After my husband's death I returned to the workforce. Currently I am employed at LignoTech USA as a research assistant.

I had attended ACS meetings previously, but since I have become employed, I am an active member. I enjoy the ACS monthly meetings, both the social part and the various lectures. As the coordinator of the National Chemistry Week, I had a chance to advocate chemistry to the public. Here in Central Wisconsin we are lacking science museums. A chemistry demonstration is a good way to educate the public that chemistry is part of our life. In the future I would like to integrate the national chemistry week activities with other disciplines for a larger event, like a "Science Saturday."

For Councilor and Alternate Councilor:

Marv Lang and **Don Showalter** are seeking reelection to each office respectively. Both are Professors of Chemistry at UW - Stevens Point. Both are internationally known experts in chemical demonstrations and have been active both locally and nationally for the American Chemical Society.

Section Surveys

by Jim Waelchli

I thank everyone who took the time to return this survey. I also thank everyone for their written comments. It appears we have some good proofreaders, as a couple of people corrected my misspelling of Alembic. I saw one comment on posting jobs in the Alembic/website and I thought this was a good idea. Here's another job for a career coordinator. I was glad most people seem to prefer Thursdays for meetings, as I believe all three of our tour speakers for next year are scheduled on a Thursday night. Distances and other commitments are a concern, but hopefully everyone can plan ahead if we can publish a final schedule for next year with the first *A lembic*. (Note the preliminary meeting schedule in this *A lembic*. Plan ahead to attend a meeting.) A drawing will be held at the December meeting from those who submitted completed surveys for a **Free Dinner** at any Y2K meeting of the ACS-CWS.