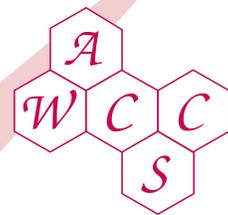


WOMEN CHEMISTS



American Chemical Society
Women Chemists Committee
1155 Sixteenth St., N.W.
Washington, DC 20036
<http://membership.acs.org/W/WCC>

To Be Leaders in Attracting, Developing, & Promoting Women in the Chemical Sciences and Related Disciplines

The Year of the Woman!

Arlene Garrison



PHOTO BY JANET BRYANT

California WCC members with WCC Chair Amber Hinkle, ACS President-Elect Catherine Hunt, and President Ann Nalley.

At the San Francisco national meeting, the Open Meeting of the Women Chemists Committee (WCC) included a rare treat. ACS President Ann Nalley presented a talk on "The Year of the Woman".

Amber Hinkle, Chair of the WCC, also made brief remarks on the status of current WCC projects. The event was particularly special as a venue for testing the new webcast capability provided by ACS. Ann's talk (which includes a number of modernized nursery rhymes) can be viewed online. Go to the WCC website <http://membership.acs.org/w/wcc/>, and follow the link under Local and Regional Meetings.

Local WCC contacts from the many local section WCCs across the country were invited to the talk and reception. The Saturday evening event, which took place from 5:00 to 6:30, in the San Francisco Hilton, did not conflict with programming and attendance was outstanding.

The WCC is very appreciative of the local hosts, the California WCC, and the California section. In addition to providing funds for wonderful food and chocolate, the local hosts prepared posters and served as gracious hosts to the representatives of local WCCs from many locations. The networking was excellent, driven by the outstanding posters prepared by the WCC of the California section. The posters provided great ideas for innovative programs that can be transferred to other local sections.

The WCC is planning a similar event on Saturday evening in Chicago, so be sure to check the WCC website for details. While you are on the WCC website, please check to see that we have current e-mail addresses for the leadership of your local WCC and inform Arlene Garrison, garrison@utk.edu, of any updates.

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Message from the WCC Chair

As the American Chemical Society (ACS) strides into the future, embracing change, the Women Chemists Committee (WCC) recently re-evaluated its strategy as well. All members agreed upon an important change to the focus of the WCC during the Fall 2006 WCC Executive Session. In fulfilling the ACS charter, which in part charges the WCC to "develop recommendations regarding issues of interest to women chemists," a new goal was added to the mission statement of the WCC. The WCC will now strive to "Take an advocacy position within the ACS on issues of importance to women in the chemical sciences." While the WCC has advocated for women chemists for 80 years, this new goal emphasizes our intent to proactively provide information and ideas to the ACS governing bodies and other influential entities regarding attracting, developing, and promoting women within the Society and scientific fields.

The revised goals of the WCC now read:

- Goal 1: To increase participation of women in the chemical sciences and related disciplines.
- Goal 2: To take an advocacy position within the ACS on issues of importance to women in the chemical sciences and related disciplines.
- Goal 3: To provide leadership for career development opportunities for women in the chemical sciences and related disciplines.
- Goal 4: To promote and recognize the professional accomplishments of women in the chemical sciences and related disciplines.

The WCC aims to take the lead in these initiatives. However, each of you plays an important role in changing the future for the ACS. I urge you to participate at the local, regional, or national level. Exercise your rights as a member and provide feedback on topics such as the ACS strategic plan or other areas of interest to you.

Consisting primarily of volunteers, the ACS and its committees operate by members for members, like you. Each one of us is a piece of the solution. I welcome your ideas and suggestions.



Amber Hinkle
2006 WCC Chair

PHOTO BY LINDA WANG

2006 Overcoming Challenges Award Winner

Dawn Brooks



OCA recipient, Grace Kennedy (center) with OCA Donors, Kenneth and Frankie Wood-Black.

Grace Kennedy of Rochester Institute of Technology's National Technical Institute for the Deaf (NTID) was chosen by the Women Chemists Committee to receive the 2006 Overcoming Challenges Award. Kennedy was recognized for her efforts in overcoming personal and family hardships to achieve success in chemistry. Kennedy was born with branchio-oto-renal syndrome. She is hearing impaired, legally blind in one eye, and has limited movement in her left shoulder.

In her award address, she said, "I do not see life's hardships as hindrances in our journeys; rather, they are necessary lessons learned and experiences gained that are needed to mold who we are." Kennedy is working on an associate's degree at NTID and plans to pursue a baccalaureate degree in a biotechnology-related program. Kennedy received a plaque, monetary award, and travel expenses to attend the 232nd ACS National Meeting in San Francisco, CA.

Call for 2007 OCA Nominations

The Overcoming Challenges Award (OCA) acknowledges the efforts of women undergraduates who have overcome economic, personal, and/or academic hardships in pursuit of an education in the chemical sciences. The award consists of a plaque, a \$250 honorarium, and \$1000 for travel expenses to the fall American Chemical Society (ACS) National Meeting where the award is presented. Award candidates must be women matriculating as an undergraduate chemical science major/minor in a two-year program or at a four-year school not granting a doctoral degree in chemical-related disciplines. Nominations are due May 1, 2007, and should be sent to: Women Chemists Committee, American Chemical Society, 1155 16th Street, NW, Washington, DC 20036. For additional information, contact the WCC at wcc@acs.org or visit <http://membership.acs.org/W/WCC>.

New WCC Program Supports "Rising Star" Women

Nancy M. Tooney

"Be Visible" is an American Chemical Society (ACS)-funded initiative that supports speaker travel costs for "rising star" women chemists and chemical engineers. Each year, department heads of selected Carnegie Research Extensive (CRE) universities are offered up to \$1000 to bring a tenure-track assistant or associate professor from other CREs or industry to their campuses to present technical talks. Speakers may also choose to meet with students and give additional non-technical presentations. Full professors (their stars have risen!) or non-tenure-track faculty are not eligible for support.

"Be Visible" was piloted as one of the seven PROGRESS (Partnerships, Reflections, Openness, Grants, Resources, Education, Site Visits, Success) initiatives authorized and supported by the ACS under the leadership of ACS Past-President Helen Free. During the pilot phase, PROGRESS team

Continued on page 4

“Dr. Percy L. Julian: Scientist, Humanist, Educator, Entrepreneur, and Inspirational Trailblazer”

Jim Shoffner, Chair, Percy Julian Symposium Committee

Sometimes American Chemical Society (ACS) national meetings become more than just another meeting to those who are involved in particular events. At least that was certainly true for me at the recently concluded meeting in San Francisco. From what I have heard, my impressions and feelings are shared by others who attended the symposium “Dr. Percy L. Julian: Scientist, Humanist, Educator, Entrepreneur, and Inspirational Trailblazer” and events to commemorate the coming showing of the NOVA film “Forgotten Genius”. The film features the life and professional career of Dr. Percy Julian, the outstanding African American chemist. When I was asked to organize and chair the symposium, my thoughts immediately went back to Anaheim in Spring, 1999, when Lew Allen and I organized a presidential event on behalf of the Committee on Minority Affairs (CMA) in honor of the 100th Anniversary of Dr. Julian's birth. Steve Lyons, producer of science programs (including NOVA) for public television (PBS), learned of our program and attended this meeting with the express purpose of gathering information about Percy Julian. The producers of NOVA were considering a program about a notable African American scientist. That symposium led to a tentative decision to make a film about Dr. Julian's life, and some of us immediately began to make plans to support NOVA as much as possible in this venture. As the saying goes, the rest is history.

The events surrounding the 1999 program were so successful that it was natural for us to look toward that same format as a model for the symposium to introduce the completed film to the Society in San

Francisco. CMA, cosponsored with Women Chemists Committee (WCC) and Younger Chemists Committee (YCC), along with many other society units. Several of those units, the Committee on Science (COMSCI) and the Divisions of Medicinal Chemistry (MEDI), and Chemical Education (CHED), made significant financial contributions, as did ACS President-Elect Catherine T. Hunt, Procter & Gamble, Glaxo SmithKline, and the American Association for the Advancement of Science (AAAS) Section on Chemistry. ACS President Ann Nalley designated the symposium as a Presidential Event. CMA, WCC, YCC, and Chemists with Disabilities (CWD) joined together for a wonderful diversity reception on Sunday evening, September 9. Many of the symposium participants were present along with other guests. The reception was a great venue for getting acquainted and preparing for the symposium that took place on Monday, September 10. Like the program in 1999, the reception, symposium, and CMA luncheon were all dedicated to Dr. Julian. Dr. Joseph Francisco, National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCCChE) President, was guest speaker for the luncheon on Monday. The symposium, which ended with a premiere showing of a 30-minute excerpt from the movie, was a great success by all accounts. Steve Lyons, Writer-Producer, and Llew Smith, Producer-Director, introduced the movie. (See Linda Wang's fine story in *C&EN*, October 2, 2006, p. 52.) The full 2-hour film will air on public television stations around the country on Tuesday, February 6, 2007, at 8:00 p.m., local time. I attended a prescreening at the DuSable Museum in Chicago on

Friday, October 20. The purpose was to introduce a new exhibit titled, “From Dreams to Determination: The Legacies of the Doctors Julian”. The exhibit is about Dr. Percy and Dr. Anna Julian. Dr. Anna Julian—Mrs. Julian—was the first African American woman to earn a Ph.D. in sociology. It is a most-impressive exhibit and will be on display for at least a year. I urge all of you who can to visit the museum while the ACS is in Chicago March 2007. The ACS and NOVA will host another prescreening at the National Academy of Sciences on Tuesday, January 23, just two weeks before the nationwide introduction of the film by PBS.

The film depicts the triumphs and trials of Dr. Julian's life with realism and honesty. Some wonderful segments show how he developed an efficient synthetic pathway to obtain a cortisone precursor, the existence of which made cortisone available cheaply, and made life bearable for millions of people who suffered from crippling rheumatoid arthritis. It also shows the fire-bombings his family endured when they moved into a home they had purchased in Oak Park, IL. Ruben Santiago-Hudson, a very accomplished actor from Broadway, TV, and Hollywood, plays the adult and professional Percy Julian. Most recently, he was featured in the HBO production “Lackwanna Blues”, of which he is writer, actor, and producer.

Members of the organizing committee for this program were Anne O'Brien, Bob Lichter, Diane Schmidt, Jeannette Brown, Linette Watkins, and myself. We extend our heartfelt thanks to the WCC for their steadfast support of the Percy Julian program.

Energy Sustained at Women in Industry Breakfast

Amber Hinkle

The theme for the Women in Industry breakfast, sponsored by the Women Chemists Committee (WCC) at the Fall national meeting, was Sustainable Energy, which coincided with one of the major themes for the meeting itself. The more than 100 attendees were very energetic indeed! Not complaining that the WCC makes them work for their breakfast, they enthusiastically engaged in conversation over the prescribed (and sometimes non-related but equally interesting) topics. Here are some highlights of the sustainable energy tips reported from each "round table" group.

When asked how to sustain professional energy throughout your career, suggestions included, keep learning, try something new, build your networks, and above all enjoy what you do. Jim Burke, Chair of the Board of Directors for the American Chemical Society (ACS), mentioned after the breakfast that another key factor is to remain true to your personal values. Maintaining your integrity is very important in sustaining professional energy.

Sustaining positive energy as you balance life and work was also a topic of discussion. The group shared some great tips for positive balance such as spending time with family and friends, remembering to laugh every day, and taking vacations. It was even mentioned that playing with your children could be a great outlet

for stress as it allows you to exercise the small child inside of you, too. An even better tip was to borrow small children from your friends and then you're able to return them when you are stress-free. Everyone was reminded to get help with those daily tasks that life requires, like laundry, cooking, and cleaning.

Many breakfast attendees could relate to the third topic as well, which was sustaining personal energy with a demanding career. Energy conservation tips included delegating some tasks to others, taking time for yourself, and drawing boundaries. Emphasis was placed on the simple but profound act of saying "NO". Energy-boosting techniques ranged from vigorous exercise to eating chocolate to drinking caffeine-laden beverages or even red wine. Some really great advice came to the group from Madeleine Jacobs, Executive Director and CEO of the ACS: Rely on the proven methods of eating healthy and getting enough sleep. She also mentioned that, contrary to popular thinking, four to five hours is NOT enough sleep.

With such fabulous participation, this breakfast was very successful and the attendees were energized for the meeting marathon before them. It seems appropriate to summarize the discussions with a quote from Harriet Beecher Stow, "Never give up then, for that is just the place and time that the tide will turn." Hopefully this has sparked some ideas for sustaining energy in your life and career.

Eli Lilly/WCC Fall Travel Award Winners Announced

Dawn Brooks

Seventeen female chemistry students received the Eli Lilly/Women Chemists Committee (WCC) Travel Awards to attend scientific meetings between July 1 and Dec. 31, 2006. Unless otherwise specified, the awardees attended the ACS national meeting in San Francisco. The winners:

- Boston College: Carrie Aroyan, Mahami Shizuka, and Vikki Tsefrikas
- Bucknell University: Rose Brittany Merola
- Iowa State University: Stacey Stoffregen
- Louisiana State University: Kristie Adams
- Moravian College: Bryn Lipovsky
- North Carolina State University: Colleen Munro-Leighton and Sonja Siefert (Siefert attended the 58th ACS Southeast Regional Meeting in Augusta, GA)
- Ohio State University: Valerie Cwynar
- Tulane University: Dawanne Eugene
- University of California, Irvine: Zulimar Nevarez
- University of California, Riverside: Stacie Eldridge
- University of Washington: Christine Isborn
- University of Wisconsin, Madison: Victoria Wilde and Y. Heidi Yoon (Yoon attended the Gordon Research Conference: Atomic & Molecular Interactions)
- Washington University, St. Louis: Julie Cissell



(Eli Lilly/WCC Travel Award Winners with WCC Chair, Amber Hinkle, and program administrator, Dawn Brooks)

New WCC Program Supports "Rising Star" Women continued from page 2

members Drs. Natalie Foster (Lehigh University, Bethlehem, PA), Deborah McCarthy (St. Mary's College, Notre Dame, IN), and Nancy M. Tooney (Polytechnic University, Brooklyn, NY) planned, guided, and evaluated the program. From 2002 through 2005, 32 CRE departments sponsored women

speakers; a number of departments leveraged the funds to bring in two women speakers. This past year, "Be Visible" was handed off to WCC to administer and we are looking forward to supporting up to a dozen "rising stars" annually.

Fall 2006 Women Chemists Committee Luncheon in San Francisco

WCC Luncheon features Advice for Career Development

Amber Hinkle, WCC Chair



PHOTO BY JANET BRYANT

Women Chemists Committee Luncheon

At the Women Chemists Committee (WCC) Luncheon in San Francisco, attendees were once again inspired by chemistry, challenges overcome, and career advice. To kick things off, research posters by 14 Eli Lilly Travel Grant recipients were showcased at the biannual, pre-lunch reception. These young women came from all over the country to present their undergraduate or graduate work at the national ACS meeting. For most, it was their first time ever at a national meeting and they truly appreciated the opportunity to share their chemistry not only in venues like Sci-Mix but also with the prestigious crowd of WCC supporters.

Another exceptional young woman, attending the national

meeting for the first time, was Grace Kennedy, the 2006 Overcoming Challenges Award recipient. Grace is a remarkable young woman who has persevered in her pursuit of science while overcoming several physical hurdles. Grace has long dealt with hearing impairment,

partial blindness, and chronic kidney disease. She received a transplanted kidney from her father six years ago. Through her battles with her health, Grace has never lost faith. She has instead used her experiences to inspire others. She certainly inspired the luncheon guests with her award acceptance speech. It was mentioned by several participants that the table decorations should include Kleenex boxes next year.

Career advice was the main attraction for the afternoon, featuring Dr. Elizabeth Jordan, Global Manager for Materials Characterization and Analytical Technology for General Electric (GE) Plastics. After lunch, Dr. Jordan delivered the keynote address titled "Career Building: Professional Growth in Any Environment". Key

advice from Jordan was that to grow your career you need to have a plan, look for interesting opportunities to learn new things and not be afraid to take risks or accept challenges.

Elizabeth Jordan completed her undergraduate studies in chemistry and mathematics at Mississippi University for Women in Columbus, Mississippi, graduating with honors in 1985. She earned a doctorate in analytical chemistry from Louisiana State University in 1990. Since receiving her doctorate, Jordan has worked in the oil industry, as well as in plastics. In her current role with GE, she manages a global team of some 200 chemists and laboratory technicians around the world, including Europe, India, and China. Jordan's valuable experience illuminated the dynamic and encouraging talk she gave.

The WCC would like to thank the Al and Helen Free foundation and GE Plastics for their generous support of this luncheon. Many thanks also go to Eli Lilly and Company for sponsoring the Travel Grants and to Kenneth and Frankie Wood-Black for their support of the Overcoming Challenges Award. Join the WCC at each national meeting for more inspirational stories.

Symposium Honoring Mary Wirth, Recipient of the Spectrochemical Analysis Award

Sponsored by ANYL, Cosponsored with WCC

Eleanor Brown

The award symposium honoring Mary Wirth, recipient of the Spectrochemical Analysis Award, introduced the audience to the latest developments in the field for the 21st century. Wirth described the development of single-molecule spectroscopy as a tool for observing the binding of a drug to the receptor at a molecular level and how a bound drug then chaperones the receptor into its biologically active conformation. John C. Wright, University of Wisconsin, discussed future prospects for fully coherent vibrational and electronic spectroscopy in analytical chemistry. Edward S. Yeung, Iowa State University, described the use of direct laser desorption/ionization mass spectrometry for the imaging of plant and

animal tissues. Joel M. Harris, University of Utah, discussed optical-trapping methods combined with confocal Raman microscopy to meet the challenge of single-particle spectrochemical chemical analysis. Jeanne E. Pemberton, University of Arizona, presented some of the latest developments in the use of Raman spectroscopy to determine structure-function relationships in long-chain alkylsilane stationary phases for reversed-phase liquid chromatography (RPLC). Isiah M. Warner, Louisiana State University, concluded the symposium with a discussion of a new class of fluorescent dyes with a broad absorption range that, depending on pH and solvent effects, will emit white light as well as red, green, or blue.

2006 Successful Women in Chemistry Interview

Interview with Cynthia Maryanoff

Judy Cohen

Cynthia A. Maryanoff developed a love of chemistry during her undergraduate days, becoming involved in research and co-authoring 12 publications in the areas of synthesis and method development while earning a B.S. degree in chemistry from Drexel University. She went on to earn a Ph.D. in chemistry from Princeton University in 1976. After additional postdoctoral studies at Princeton, she joined Smith Kline as a medicinal chemist. Four years later, she moved to Johnson & Johnson (J&J) as Section Head of Chemical Development. In 1999, she was appointed to the position of Senior Director of New Product Research. In 2001, she was promoted to the position of Distinguished Research Fellow (DRF), the highest scientific position at J&J. As DRF she led a global organization focused on rapid delivery of New Molecular Entities to Phase 2B decision points and established the industry standard timeline. In 2004, Cynthia transferred from the Pharmaceutical sector of J&J to Medical Devices. In her current position as DRF in Pharmaceutical and Package Development, she is responsible for establishing a multi-disciplinary research program for formulating, analyzing, and developing stent coatings to ensure delivery of pharmaceutical agents in a controlled fashion.

Cynthia's career encompasses personal research, scientific leadership, and management. Her research has resulted in more than 75 publications and 29 patents. Much of this research has been communicated to non-specialists through publications such as *Chemical & Engineering News*, *ChemTracts Organic Chemistry*, *The Scientist*, and *What's Happening in Chemistry*. Prestigious awards from the American Chemical Society (ACS)



Cynthia A. Maryanoff

and other organizations have recognized her work. She is one of only three women to receive the Philadelphia Section ACS Award. She was the 1999 Francis P. Garvin-John M. Olin Medalist, and in 2005 she received the Earle B. Barnes Award for Leadership in Chemical Research Management. In 1997, she received a TWIN Award (Tribute to Women and Industry) from the YWCA.

Success and Advice

Cynthia defines success as being able to unleash the creativity of scientists in her group. It is fostering a climate of innovation so that people can solve meaningful problems for patients. This is one of the reasons she became involved in the pharmaceutical industry. However, she says, it is important to recognize that "lack of failure is not success." Think about it: A baseball player is successful if his batting average is 0.350. That means 65% of the time he doesn't hit the ball. But each time he goes up to bat, he learns something from the experience. A leader must influence and inspire. Effective leaders recognize their sphere of influence, genuinely care about the people they influence, and have the unique ability to integrate abstractly equal systems. As far as inspiration, a good leader acts as a

coach and lets the players play. An influential leader demonstrates high standards but shows concern for team efforts and challenges and supports them through the failures. That way people learn for the next time, the next experience, the next experiment, or—in the case of the ball player—the next pitch. Strong scientific leaders foster a climate of innovation and give their scientists what they need to be successful and help differentiate between a "want" and a "need". Finally, a good leader must accept the ultimate responsibility of making critical decisions in order to help the business grow.

Cynthia's success as a leader follows from her belief that science succeeds and projects advance only as a function of the people involved: people who are motivated and enthusiastic about their work. Her leadership style focuses on the people in her group to achieve timely results while maintaining a human sensitivity. Her concern for the importance of collaborations and strong liaisons between academia and industry prompted her activities in the ACS and other organizations. She was the 1997 Chair of the Division of Organic Chemistry, the first woman to hold this position. Cynthia has held prominent positions in several ACS committees and has organized and chaired several symposia at national meetings. Between 1998 and 2000, she served on the Advisory Council to the Dean of the College of Arts and Sciences at Drexel University.

Outside of work, Cynthia and her husband, Bruce, also a J&J chemist, are very involved with family. They enjoy traveling and are currently building up a portfolio of wine knowledge through experience!

WCC ROADMAP SPRING 2007 ACS NATIONAL MEETING CHICAGO, IL

SOCIAL EVENTS

- **WCC Open Meeting & 80th Anniversary Celebration**
Saturday, March 24
5:00–6:30 pm
Hyatt Regency Chicago, Columbus EF
- **Women in Industry Breakfast, Ticketed Event**
Monday, March 26
7:30–9:00 am
Sheraton Chicago, Chicago Blrm X
- **WCC Reception & Eli Lilly Travel Award Poster Session**
Tuesday, March 27
11:30 am–12:00 pm
Sheraton Chicago, Chicago Blrm VI
- **Women Chemists Committee Luncheon, Ticketed Event**
Tuesday, March 27
12:00–1:30 pm
Sheraton Chicago, Chicago Blrm VI & VII

WCC SPONSORED & COSPONSORED SYMPOSIA

Community College-Led Advances in Undergraduate Education

Sponsored by CHED, Cosponsored with CMA, WCC, and YCC

Computer-Assisted Drug Design: Reminiscing About the Future. A Symposium Honoring Yvonne C. Martin

Sponsored by COMP, Cosponsored with CINF, and WCC

High School Program—Inquiring Minds Want to Know

Sponsored by CHED, Cosponsored with WCC

Young Scientist Pre- and Post-Doctoral Research Award Symposium

Sponsored by AGRO, Cosponsored with WCC

ACS Award for Computers in Chemistry and Pharmaceutical Research Session I

Sponsored by COMP, Cosponsored with WCC

2007 ACS Award in Industrial Chemistry—Award Symposium in Honor of Margaret M. Wu Next Generation Product R&D: Science and Engineering

Sponsored by BMGT, Cosponsored with PMSE, and WCC

ACS Award for Computers in Chemistry and Pharmaceutical Research Session II

Sponsored by COMP, Cosponsored with WCC

Benefit Trends for the Chemical Workforce

Sponsored by PROF, Cosponsored with Corporation Associates, CEPA, SCHB, WCC, and YCC

Broadening Participation in Undergraduate Research

Sponsored by CHED, Cosponsored with CMA, WCC, YCC, SOCED, and COMP

Career Experiences at the Interface of Chemistry and Biology

Sponsored by YCC, Cosponsored with WCC, and PROF

Beyond the Bench: Non-Traditional Careers in Chemistry

Sponsored by CHAL, Cosponsored with CHED, CINF, SCHB, WCC, and YCC

Exploring and Exploiting Nature with Biomimetics Biomolecular Self-assembly and Biocatalysis

Sponsored by CHED, Cosponsored with WCC, BIOL, and INOR

Women Achieving Success: The ACS as a Platform in Leadership Development

Cosponsored with PROF and PRES

ACS Award for Computers in Chemistry and Pharmaceutical Research Session III

Sponsored by COMP, Cosponsored with WCC

Exploring and Exploiting Nature with Biomimetics

Rational Manipulation of Biomolecular Architecture

Sponsored by CHED, Cosponsored with WCC, BIOL, and INOR

Exploring and Exploiting Nature with Biomimetics

Molecular Recognition and Drug Delivery

Sponsored by CHED, Cosponsored with WCC, BIOL, and INOR

Symposium in Honor of the Recipient of the ACS Award for Encouraging Women into Careers in the Chemical Sciences

ACS Award for Research at an Undergraduate Institution

Sponsored by ORGN, Cosponsored with WCC

Francis P. Garvan-John M. Olin Medal

Sponsored by ORGN, Cosponsored with WCC

Broadening Participation in Undergraduate Research

Sponsored by CHED, Cosponsored with CMA, WCC, YCC, SOCED, and COMP

Encouraging Disadvantaged Students into Careers in the Chemical Sciences

Sponsored by GEOC, Cosponsored with WCC

Share Your WCC Success Story

Have you had a successful local or regional event with a focus on women chemists? We need your story to include in the updated Women Chemists Committee (WCC) website. Please send a short description of your event by e-mail to Arlene Garrison, garrison@utk.edu, and we'll put it on the Web! Short articles are welcome, either before or after the event. The WCC website can serve as a resource for suggestions to local sections and regional meeting planners, and we need your reports on what has (and has not) worked.

e-Women Chemists THE WCC NEWSLETTER IS NOW SENT ELECTRONICALLY!

The WCC Newsletter is now sent electronically!

If you received the spring 2006 newsletter electronically, we have your correct e-mail address and you will continue to receive future issues. To provide an alternate e-mail address, or for other inquiries, please contact us at: service@acs.org.

If you did not receive the spring 2006 newsletter, you may opt-in for future newsletters from the WCC webpage <http://member-ship.acs.org/W/WCC/>.

WCC SPONSORS AND CONTRIBUTORS IN 2006

Thanks to the following individuals and organizations for their support of WCC programs and activities.

William Carroll, Jr.
ACS Past-President

Catherine T. Hunt
2007 ACS President

Janet Bryant
WCC Member

Lissa Dulany
ACS Atlanta Section

Amber Hinkle
WCC Chair

Doug Hinkle
Doug Hinkle
Photography

John & Brenda Wong Palmer

ACS San Diego Section,
Host of the 2007 Western
Regional meeting

Cheryl Brown
ACS Staff

Eli Lilly & Company

Kenneth Black and
Frankie Wood-Black

Al and Helen Free
Foundation

Polymer Chemistry
Innovations Incorporated



Are you an American Chemical Society (ACS) member who is not receiving but would like to receive the Women Chemists Committee (WCC) newsletter? You may have asked to block promotional e-mailings in your ACS membership profile. Requests for copies of the WCC newsletter should be directed to Felicia Dixon, WCC Staff Liaison, at wcc@acs.org. For more information about promotional blocks, contact ACS Member Services at 800-333-9511 or by e-mail at service@acs.org.

WCC Awards Three ChemLuminary Awards to Local Sections

Arlene Garrison

A highlight of the recent American Chemical Society (ACS) national meeting in San Francisco was the annual ChemLuminary Awards, this year with a Wizard of Oz theme. These awards recognize the outstanding volunteer efforts of local sections of the ACS. Local sections nominated their Women Chemists Committee (WCC) groups for these awards, and the committee had some very difficult choices among the very active groups around the country. The WCC was pleased to present three awards.

Finalists for the Outstanding Advocacy on Behalf of Women in the Chemical Sciences Award were the Georgia, Nashville, and Richland sections. The winner was Richland, which held its fourth year of Girls in Science. Girls in Science brought together 106 students in Grades 6-8 in Northeastern Oregon and focused on the analysis of evidence and forensics to illustrate chemistry in a tangible way.

Finalists for the Outstanding Overall Local Section Women Chemists Committee Award were Eastern New York, Michigan State University, and Southern California. The Eastern New York and Michigan State



(Former ACS President, Helen Free, and President, Ann Nalley, with the Cowardly Lion and Tin Man)

PHOTO BY JANET BRYANT

University sections tied for the award. Eastern New York sponsored multiple activities to address professional development and community outreach. A new activity, "Why Plastics?" provided science education through hands-on activities at local schools. The Michigan State University section hosted a series called "Things Every Scientist Should Know—Outside the Laboratory", which involved the community along with local women chemists.

Finalists for the Outstanding Single Event in a Local Section Promoting Women in the Chemical Sciences were Midland, St. Louis, and South Carolina. The winner, South Carolina, arranged for the placement of the Chemical Heritage Foundation exhibit "Her Lab in Your Life: Women in Chemistry" at local public libraries. The exhibit attracted more than 6000 teachers and students, as well as thousands of the general public.

Details on all the programs presented by the finalists are available on the WCC website, along with information about awards winners in prior years: http://membership.acs.org/w/wcc/WCC_ChemLuminary_History.htm. Congratulations to all!

WCC Breaking the ICE at the ACS Southwest Regional Meeting

Amber Hinkle, Chair, Women Chemists Committee

The 2006 American Chemical Society (ACS) Southwest Regional Meeting (SWRM) was held in Houston, with a great Women Chemists Committee (WCC) program organized by graduate students from Texas A&M University in College Station. The kick-off event was a luncheon with keynote speaker, Catherine (Katie) Hunt, ACS President-Elect. Katie captivated the crowd of more than 50 attendees with a dynamic presentation on her key focus areas: Innovation, Collaboration, and Education (ICE). Katie challenged everyone to help "Break the ICE" and get the United States off of a science and technology plateau and back to the cutting edge. This was a very appropriate message, given that SWRM was held only weeks before congressional elections.

The WCC program at SWRM was an innovation in collaboration and education itself. The primary organizers were members of the Women in Science and Engineering (WISE) group at Texas A&M and were supported by WCC members in hosting speakers from a wide variety of universities. The post-luncheon symposium addressed "Living at the Interface:



Participants in the WCC Breaking the ICE program at SWRM

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Challenges in Interdisciplinary Research". Speakers included Justine P. Roth (Johns Hopkins University), Jayne C. Garno (Louisiana State University), Coran M. Watanabe and Perla B. Balbuena (Texas A&M University), Christine D. Keating (Pennsylvania State University), and Debbie C. Crans (Colorado State University). Topics presented included results of interdisciplinary research as well as some of the issues and solutions for performing at the interface. This regional WCC program was very well attended and should serve as a model for other similar meetings. Many thanks go out to the Houston-area WISE and WCC members who made it possible.

The Women Chemists Committee Turns 80 in 2007!

Felicia Dixon, WCC Staff Liaison, and Amber Hinkle, WCC Chair

The Women Chemists Committee (WCC) will celebrate its 80th birthday in 2007. The committee has planned a number of events to honor and recognize its achievements since 1927. We will kick off our celebration at the American Chemical Society's (ACS) 233rd National Meeting in Chicago, IL. Programming for this meeting includes the "Symposium in Honor of the Recipient of the ACS Award for Encouraging Women into Careers in the Chemical Sciences" and a second symposium entitled "Women Achieving Success: The ACS as a Platform in Leadership Development". The latter will feature highly respected leaders such as Madeleine Jacobs, Executive Director and CEO of the ACS, and Ann Nalley, 2006 President of the ACS. In addition, the WCC Luncheon on Tuesday, March 27, 2007, will feature Dr. Laura Kiessling (University of Wisconsin, Madison) as keynote speaker. Dr. Kiessling is the recipient of the 2007 Garvan-Olin Medal, an ACS National Award that recognizes a female scientist for her contributions to chemistry. During the WCC/Eli Lilly poster session and reception that precedes the

luncheon, the WCC will recognize 13 of the 22 recipients of the 2007 spring Eli Lilly Travel Award.

In an exciting collaborative effort, the WCC open meeting on March 24, will include a panel discussion with members of sister organizations such as Iota Sigma Pi, the Association for Women in Science (AWIS), and Chicago "Local Section Women Chemists" Chapter and UIC Women in Science & Engineering Program (WISE). The Chicago Local ACS Section is helping us with this collaborative birthday celebration. On Monday, March 26, the WCC will hold its Women in Industry Breakfast with discussion topics of developing your elevator speech and capitalizing on professional connections. These breakfast discussions will have a new format, speed networking, allowing each guest to personally connect with several others and practice their networking skills. We will also be issuing new lapel pins to commemorate our 80th birthday. Look for these pins with a design that harkens back to the traditional WCC "benzene ring" logo. Other spectacular events and programs are planned for throughout the year.



Women Chemical Entrepreneurs at National ACS Meeting

Sharon V. Vercellotti

Women Chemical Entrepreneurs, the symposium sponsored by the Division of Small Chemical Businesses, was held at the 232nd National Meeting of the American Chemical Society (ACS) in San Francisco. The Women Chemists Committee and the Division of Professional Relations cosponsored the symposium. Organizer Sharon Vercellotti reviewed economic trends in small business with an emphasis on women-owned chemical manufacturing establishments. The numbers of women-owned establishments, their income, and their staff have increased rapidly over the past 20 years. These increases compare favorably to the generally static or recently decreasing numbers of establishments and employees in chemical manufacturing overall. Vercellotti's company, V-LABS, INC., does consulting, custom manufacturing, and analysis in the area of carbohydrates and polysaccharides.

The various chemical businesses featured in the symposium ranged from a new analytical separation reagents company ChiroSolve, headed by Neelam Viadya, to long-established analytical services, such as



Presenters in the Women Chemical Entrepreneurs symposium

PHOTO COURTESY OF SHARON V. VERCELLOTTI

Jane Thomas' Wyoming Analytical Laboratories and Rita Boggs' American Research and Testing, Inc. Consultant Brenda Odor plies her trade with the chemical industry in Florida. Technical writer Anne Taylor utilizes skills from a pharmaceutical and teaching background. Chemical educator Lynda Jones touted her imaginative song-and-dance teaching program, Holy Mol-ee, with applications for students in grades K-12. Linda Versic, whose husband Ron gave her presentation, is the president of a microencapsulation manufacturing company. The career options available to women chemical entrepreneurs continue to grow.

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SAVE THE DATE

August 22, 2007

4th Annual Women Chemists Committee and Northeastern Section Scramble Golf Tournament

(in conjunction with the 234th National ACS meeting in Boston)

Brookline Golf Club at Putterham Meadows

All proceeds from this tournament
will support WCC and NESACS programs

For updated information, visit the NESACS
website at www.nesacs.org

