



Website: <http://2yc3.org>

Chemistry Outlook

An Activity of
The Committee on Chemistry in the Two-Year Colleges
Division of Chemical Education
American Chemical Society



Jeff Cramer, 2008 Chair

7

N

14.0067
Nitrogen

Notes From The Chair

Jeff Cramer
Stark State College
North Canton, OH

So what are the new words for this newsletter? What topics shall I address? These are meant to be the identical. Before I start the words thing, I want to encourage you to attend the BCCE at Indiana University July 27-31, 2008 (<http://bcce2008.indiana.edu/>). I believe this BCCE will have more 2-year college presentations than during previous BCCE's. Tom Higgins, Susan Shih, and Amy Jo Sanders are the 2-year college representatives on THE Committee. They have been active with the outcome of over five symposia directly addressing 2-year college issues. These are not just 2-year college issues so these will provide forums for discussion among 2-year and 4-year college faculties. Except for the more specialized topics, I would like to attend many more symposia than I can schedule. Shucks, I even signed up to make 2 presentations. The Transfer Agreement Guidelines in Ohio presentation which is in the Accreditation, Accountability, and Articulation in Chemical Education Symposia will be interesting since Midge Hall (Clark State College), Andy Jorgenson (University of Toledo), and I will be co-presenting this paper. We are on the Ohio General Chemistry Transfer Agreement Guidelines (TAG) Committee, and I saw they are presenting other papers at BCCE. So I suggested we work together on this presentation. So I have slipped in word one- collaboration. Co-laboring at a distance is easier with email, conference calls, and the web, but it is work. More ideas are obtained, and problems are generally discovered sooner. Hopefully, the inefficiency of committee work is overcome by the other positives. I have actually learned to enjoy the relationships and camaraderie that develop. A second reason I mention presenting, is to encourage you to become a presenter at a 2YC₃ Conference. Program Chairs are always looking for presenters, panels, etc.

INSIDE THIS ISSUE

Vol. 2008 – II

- 1 Notes from the Chair
- 2 Conference Calendar;
183rd Conference-
Call for Presenters
- 3 2008 2YC₃ officers and
support staff; Membership
Form
- 4 181st Conference/BCCE
Information
- 6 What Have You Done For
Me Lately?
- 7 182nd Conference Prelim-
inary Information
- 8 Comm. College Students
Present on Capitol Hill
- 10 Call for Applications:
Chair Elect 2010 & In-
dust. Sponsors Chair 2009



continued on page 2

2008 - 2009 Academic Year

181st CONFERENCE/20th BCCE

July 27-31, 2008, Indiana University

Bloomington, IN

More information, including deadlines for posters and presentations, can be found on page 8 of this issue of Chemistry Outlook. Proposals for posters and papers are currently being accepted at the website/email address below.

For information go to:<http://bcce2008.indiana.edu>**Inquiries and suggestions can be emailed to:**bcce2008@indiana.edu

Remember to check the web for information on future meetings! <http://2yc3.org>

182nd CONFERENCE (Western)

September 26-27, 2008, Riviera Hotel Las Vegas

Las Vegas, NV

Contacts: Onofrio (Dick) Gaglione; Kaveh Zarrabi

Phone: 702-254-1782

Email: oggag@aol.com**183rd CONFERENCE (Eastern)**

November 21-22, 2008, Anne Arundel Community College

Arnold, MD

Contact: Lynn Tracey

Email: ljtracey@aacc.edu**184th CONFERENCE (Western)**

March 20-21, 2009, Salt Lake Community College

Salt Lake City, UT

Contact: Neil Bastian

Email: Neil.Bastian@slcc.edu

How did you plan your career or path in life? In my case, I “fell into” chemistry. I was originally a math major in college with a chemistry minor, but I didn’t want to spend all my time at a desk. I enjoyed the laboratory work, and I was successful at chemistry. There was also the enthusiastic, ambitious chemistry faculty. So I became a chemistry and math double major. I also chose graduate school based on some electrochemistry experiments and a chemistry book I found as an undergraduate. I did some of the planning, but the timing was not my choice and there did seem to be some luck in my path as there always has. This is also true for my being 2008 2YC₃ Chair. I ran for the Chair position earlier but was not elected. However, this appears to be the right time for me. Oh, I did kinetic work in graduate school at UNC. I hope this is your time.

183rd Conference (Eastern)**Anne Arundel Community College****Arnold, MD****November 21-22, 2008****A Call for Papers**

Conference Theme:

Partnerships in Chemistry Education

Do you have a story to share about your experiences with partnerships between...

- ... your school and local industry
- ... your school and government
- ... your school and other colleges
- ... your school and your local K-12 school system
- ... you and other departments on campus
- ... you and your colleagues
- ... you and your students
- ... your students

Consider giving a presentation or a poster or a workshop. Consider participating in a roundtable or panel discussion.

If this sounds like an excellent opportunity to share your experiences with other chemistry faculty, please contact **Lynn Tracey** at ljtracey@aacc.edu for more information.

- Exhibits chair: June Bronfenbrenner
jbronfenbrenner@aacc.edu
- Local arrangements chair: Debbie Reeder
dmreeder@aacc.edu

“Notes from the Chair” ...continued from page 1

The trick to collaborating or teamwork is to distribute the work or better yet collaborate with a group where each wants to do grab a job and do it. Trick is not supposed to be one of the words. But maybe trick is somewhat like luck in science. It is not a word we like to associate with science, but it appears to be relevant whether or not we like it. How about replacing luck with the more scientifically acceptable word- time or timing? Andrea, my wife, has recently been re-enforcing the concept that we make time for the things that are important to us. And then there is the reverse of looking at how someone spends their time to determine what is important to them.

2008 COCTYC AND SUPPORT STAFF
Division of Chemical Education, Inc
American Chemical Society
2008 Roster of Committee Members

Chair

Jeff Cramer, Stark State College
 6200 Frank Ave NW, North Canton, OH 44720
 Office: (330) 966-5457 Ext 4377 Fax: (330) 494-0571
 Email: jcramer@starkstate.edu

Chair-Elect 2008

Candice McCloskey, Georgia Perimeter College - Dunwoody
 2101 Womack Road, Dunwoody, GA 30338
 Office: (770) 274-5060 Email: cmcclosk@gpc.edu

Chair-Elect 2009

Lance S. Lund, Anoka-Ramsey Community College
 11200 Mississippi Blvd. NW, Coon Rapids, MN 55433
 Office: (763) 433-1273 Email: lance.lund@anokaramsey.edu

Treasurer/College Sponsors

Kelly Befus, Anoka Ramsey Community College
 11200 Mississippi Blvd. NW, Coon Rapids, MN 55433
 Office: (763) 433-1863 Email: Kelly.Befus@anokaramsey.edu

Membership Chair

Frank Ramdayal, Bergen Community College
 400 Paramus Road, Paramus, New Jersey 07652
 Office: (201) 493-3671 Email: framdayal@bergen.edu

Newsletter Editor

Jim Schneider, Portland Community College
 P.O. Box 19000, Portland, OR 97280-0990
 Office: (503) 977-4618 Fax: (503) 977-8020
 Email: jschneid@pcc.edu

Industrial Sponsor Chair

John Kenkel, Southeast Community College
 8800 O Street, Lincoln, NE 68522
 Office: (402) 437-2485 Email: jkenkel@southeast.edu

Immediate Past Chair

Michael Lee, Bucks County Community College
 275 Swamp Road, Newtown, PA 18940
 Office: (215) 968-8364 Fax: (215) 504-852
 Email: leem@storm.bucks.edu

Past Chairs (Members of COCTYC)

Dolores C. Aquino, San Jacinto College Central
 P.O. Box 2007, Pasadena, TX 77501-2007
 Office: (281) 476-1501 ext. 1663 Fax: (281) 478-2757
 Home: (713) 668-8215 Email: dcaquino2246@yahoo.com

Ed Kremer, Kansas City Kansas Community College
 7250 State Ave, Kansas City, KS 66112
 Office: (913) 288-7111 Fax: (913) 288-7419
 Home: (816) 413-0913 Email: ekremer@toto.net

2YC₃ Webmaster

<http://2yc3.org>

Andy Aspaas, Anoka-Ramsey Community College
 300 Spirit River Drive South, Cambridge, MN 55008
 Office: (763) 433-1108 Email: andrew.aspaas@anokaramsey.edu

2YC₃ Membership Form

Please consider supporting the 2YC₃ by becoming a member or renewing your membership. Annual dues are only \$15.

Special Offer: Annual dues are \$15 for the 2YC₃ and \$20 for the American Chemical Society Division of Chemical Education (DivCHED). If you are not already a member of DivCHED, you may join both organizations today for a total of \$30, a savings of \$5.

I wish to:

- Become a member of 2YC₃
 - Renew my 2YC₃ Membership
 - Join DivCHED as a member (ACS members only) and 2YC₃
 - Join DivCHED as an affiliate* (non ACS members) and 2YC₃
- *affiliates have all membership privileges except voting and holding elective office.

I am a:

- Two-Year College Teacher
- High School Teacher
- Four-Year College Teacher
- Other

Your Name: _____

Institution: _____

Address: _____
 Street City, State 9-Digit Zip Code

Phone: _____ **Email:** _____

Current Member of: ACS DivCHED

Names of current members are posted on the 2YC₃ website. The list includes names, institutional affiliation, and membership expiration date only. Email addresses and phone numbers are NOT listed. If you do NOT want your name listed, check here _____.

Please send your check, payable to 2YC₃, for \$15 (2YC₃ only) or \$30 (joint membership) to:

Frank Ramdayal, Bergen Community College, 400 Paramus Road, Paramus, New Jersey, 07652.

181st 2YC₃ Conference

20th Biennial Conference on Chemical Education

Chemical Education at the Crossroads of America

Indiana University, Bloomington, Indiana
July 27 – 31, 2008

27^{Co}nference Information

58.933
Cobalt

Community College Chemistry Instructors

You are invited to the 20th Biennial Conference on Chemical Education (BCCE)

The BCCE is a national meeting sponsored by the Division of Chemical Education of the American Chemical Society. The conference is designed for middle school science teachers, secondary school chemistry teachers, graduate students, and college chemistry instructors and professors. The conference will be held on the beautiful campus of Indiana University in Bloomington, Indiana from July 27th through the 31st, 2008. There will be a mixture of plenary lectures, symposia, workshops, chemical demonstrations, poster sessions, exhibits and tours of chemistry research areas. 2YC₃ is also co-sponsoring the ice-cream social event!

Please use the following link to see all the exciting symposia that are being offered at this meeting:

<http://bcce2008.indiana.edu/Symposialisting.html>

Each symposium consists of several presentations on the subject. Some of these symposia have been designed specifically for you, the community college chemistry educator, by your 2YC₃ representatives to the organizing committee, so please join us in Indiana this summer and see what the BCCE has to offer you!

2YC₃ Sponsored Symposia

Building and Renovating Your Science Buildings
Building Bridges Between 2-year and 4-year Colleges
Chemistry Technician Programs
Issues Facing Community Colleges
Technology in the Classroom
And many, many more!

Questions? Contact [BCCE 2008 @ indiana.edu](mailto:BCCE2008@indiana.edu)

or your 2YC₃ representatives:

Tom Higgins: tbhiggins@ccc.edu

Amy Jo Sanders: ASanders@starkstate.edu

Susan Shih: Shihsu@cod.edu

BCCE General Information

Sponsor: The ACS Division of Chemical Education

Host: The Department of Chemistry, Indiana University

Contact Information

website: <http://bcce2008.indiana.edu>

E-mail: bcce2008@indiana.edu

General Chair for the 20th BCCE

Steven M. Wietstock

University of Notre Dame

swietsto@nd.edu

20th BCCE Program Co-chairs

Cathrine Reck

Indiana University

creck@indiana.edu

Regina Zibuck

Wayne State University

rzibuck@chem.wayne.edu

The bylaws of the ACS Division of Chemical Education begin: "It is the object of this Division to afford a meeting ground for teachers and students of chemistry, as well as for others who are interested in the larger aspects of chemical education, which include the training of professional chemists and indeed all the processes by which original knowledge and investigations are made understandable and usable to others." The Biennial Conferences are one important way that the Division meets this objective.

The Biennial Conferences on Chemical Education have developed into the largest gathering of chemical educators in the world because they reflect the wide interests of people who teach chemistry in schools, colleges, and universities as well as people at the ACS, in industry, and in government who have an interest in chemical education. What makes a BCCE exciting is the opportunity to gather in an informal setting to socialize and to share ideas, expertise, and experience with colleagues who are committed to excellence in chemical education. You can sit down at lunch with someone you just heard give a presentation of interest or chat with the author or publisher of your textbook or lab manual.

The program for the 20th BCCE will provide a variety of workshops, presentations, plenary speakers, demonstrations, exhibits, and posters, each of which is designed to provide new ideas, strategies, and techniques for involving students in active learning. **We have planned a very strong program for the faculty from community colleges and 2-year institutions.** We are certain you will find activities that will stimulate your interests. You will also find time to talk with your colleagues and share ideas. There will be great social events and things to see and do. The BCCEs are truly a great experience for anyone interested in chemical education. They do serve as a bridge between how we teach and how our students learn. Program information is available on our website: <http://bcce2008.indiana.edu>. To whet your appetite, a partial list of the symposia for the 20th BCCE can be found on page 10 of this newsletter.

Indiana University's meeting complex consists of the Indiana Memorial Union with a multitude of meeting rooms and auditorium, hotel, dining facilities, exhibition space; the Indiana University Auditorium with seating for several thousand in its Art Deco splendor; the Chemistry Building with its labs, lecture halls, and demonstration spaces; Ballentine and Woodburn Halls with additional classroom and symposium spaces are all handicap accessible and within an easy walk of each other. Air-conditioned, on-campus housing will be available in the recently renovated Willkie Hall (all single rooms with a shared bath with another room) at \$47/night including taxes and Forest Hall (single and double rooms with a traditional shared bath for the hall) with prices ranging from \$34-41/night including taxes. In addition to the IMU, we have blocks of hotel rooms at various hotels around Bloomington (downtown, uptown, and Westside locations) with most of those running \$119/night plus taxes. There will not be a meal package available for the conference as there are a number of very reasonably priced dining facilities on campus (Wright Food Court, IMU) as well as a short walk downtown Bloomington along Kirkwood and 4th Streets (many ethnic restaurants from Tibetan to Mexican to Thai to ...). We are providing adequate lunch and dinner breaks for you to explore these Bloomington treasures and to have time to network with your colleagues at the conference. IU is an easy walking campus; however, BCCE participants will also be able to use the IU Campus Bus system at no cost with your registration badge. For those who prefer a more primitive approach, there are several state parks and recreational facilities within 15 miles of Bloomington that have camping facilities and cabins.

Social and Leisure activities include the opening dessert reception, a Tapas bar Monday evening with the Exhibition and Chemistry Goes Green Poster Session, mid-day plenary speakers, a Art Walk/Pub Crawl on Tuesday evening including our traditional ice cream social (sponsored by the 2YC₃ committee and the Journal of Chemical Education) at Bloomington's hands-on science museum WonderLab, and a BCCE bash on Wednesday evening featuring Al D. Hyde and the Key Tones with food and drink.

Continued next page...

There will be plenty for the family to do as well. The Monroe County YMCA offers weekly summer camps for children ages 2 through teen (registration begins on March 8, 2008 at their website (<http://www.monroecountyymca.org/>)). In addition check out our website for a listing of free and inexpensive tours (IU Chemistry Department, IU Cyclotron, IU Art Museum, Lilly Library, the Tibetan Cultural Center and Architectural Tour of Columbus, IN), and other educational and outdoor activities for you and your family to enjoy while in Bloomington.

Travel to Indiana University can be accomplished by air, auto or bus, or rail. Bloomington is about 40 miles south of Indianapolis. The nearest airport with commercial service is the Indianapolis International Airport. The Monroe County Airport is available to private aviation. The Bloomington Shuttle connects the Indianapolis Airport with several motels, and the Indiana Memorial Union. We will provide vans to transport participants from the IMU to the residence halls.

Information about all facets of the 20th BCCE is available on our website. Early registration is now open and will continue through June 2, 2008. The registration fees are \$250 for regular registrants, \$200 for secondary educators (with valid school ID or letter from your principal), and \$125 for graduate/undergraduate students (with valid school student ID). After June 2, 2008, you may still register for the conference with a \$50 late fee for each of the registration classifications. Guest registrations are available at \$20 for the conference, and children (under the age of 17) registrations are available at \$10 for the conference. All attendees must be registered as a participant or guest in order to take part in any of the BCCE events or tours.

We look forward to seeing all of our colleagues in Bloomington this summer for the 20th BCCE. It is going to be a great experience!

But What Have You Done For Me Lately??

Many of my colleagues ask me: "Why should I join 2YC₃? What's in it for me and my membership dues?" Probably one of the main strengths of this organization are the excellent conferences held 4 times per year. If you've ever gone to the ACS National Meeting (or similar) or even the BCCE, you may have at times felt overwhelmed. 2YC₃ meetings are small (generally in the vicinity of 50 attendees) and intimate. Practically everyone gets to know most others over the course of the meeting, and it's easy to talk with speakers and exhibitors. I recently asked attendees at the Durham meeting in November 2007 what their thoughts on the meeting were. Enjoy...

"When I received notice that the 2YC₃ meeting would be held in Durham this year, I decided to attend. This meeting offered me an opportunity to present a paper about improving a hybrid introductory chemistry course.

I am glad I went. The conference started with an exciting keynote address by Dr. Jimmy Reeves of UNC Wilmington. He briefly described the journey we've taken as chemistry instructors to effectively use technology in our teaching and shared his first hand experience with developing effective distance chemistry labs based on kitchen chemistry. I walked away from every talk I attended with new ideas to improve my teaching. I attended a workshop on Mastering Chemistry, Prentice Hall's new electronic homework program and feel better prepared to use this new resource next semester. I enjoyed talking with other instructors who are teaching online or trying different approaches to reaching students. I reconnected with colleagues who also teach in the NC community college system and met colleagues from all over the country. Even though my presentation was one of the last scheduled, there was a good size audience. They asked good questions and offered constructive feedback.

I came back to campus with renewed energy and enthusiasm. As a result of several presentations on the effective use of demonstrations in teaching, I even planned and used a demonstration of buffering capacity the following week. I am now planning to attend the BCCE this summer and the 2YC₃ will be there. So, come join us and find out about my biodiesel project that I run in my organic and biochemistry course."

--Dr. Peggy Geiger, Gaston College, Dallas, NC

"Before attending the conference, I was dead set against on-line chemistry courses. But, after seeing some of the presentations, particularly the Organic Chemistry on-line course, I see where there could definitely be a benefit. It has sparked my interest in developing at least an on-line component to some of my courses. This conference gave me an exposure to material I would not have otherwise had the opportunity to experience."

--Pete Golden, Sandhills Community College, Pinehurst, NC

"The 2YC₃ conference was a great experience. It was great to learn there is an entire division of the ACS which is designed specifically for community college chemistry faculty. At a community college, there aren't very many chemistry instructors available to learn from or share ideas with. The meeting was a great opportunity to learn what new techniques are working in the classroom and to share ideas and information with fellow instructors.

The most exciting thing I came back to BCC with was the idea that the cutting edge in teaching methodologies really does live in our nation's community colleges."

--Mary Roslonowski, Brevard Community College, Palm Bay, FL

Invitation and Call for Papers
182nd 2YC₃ Conference
ACS Western Regional Meeting (WRM 2008)
Las Vegas, NV
September 26-27, 2008

WRM 2008 Theme: “The Changing Face of Chemistry in the 21st Century”

182nd 2YC₃ Theme: “Challenges and Benefits of Undergraduate Research in Two-year Colleges”

The Two Year College Chemistry Consortium (2YC₃) will join with the ACS Southern Nevada Section in co-sponsoring WRM 2008 which will be held at the Riviera Hotel, 2901 Las Vegas Blvd., So., Las Vegas, NV 89109 on September 24-27, 2008. The 2YC₃ Program will take place on September 26-27, 2008. 2YC₃ members may register and attend the entire conference for the same special fee of \$40.00 (advanced online registration) and \$50.00 (onsite registration).

The Riviera Hotel is in the heart of the famous Las Vegas Strip in walking distance from the Canal Shops at the Venetian Hotel, the Fashion Show Mall and the Forum Shops at Caesars Palace. Other points of interest in the area include the Atomic Testing Museum, Hoover Dam, Red Rock Recreation Area, the Ethel M Chocolate Factory and Cactus Garden. Musical, comedy and magic entertainment shows are easily found throughout the “Strip” as well as the art galleries of the Bellagio, Venetian and Wynn Hotels.

In addition to 2YC₃ paper, workshop and poster presentations and the traditional 2YC₃ Friday evening banquet, the WRM will include a wide variety of paper and poster presentations, a High School Chemistry Education symposium, an undergraduate student program, luncheons, an Awards Banquet and an Exhibition in a 12,000 Sq. Ft. Exhibit Hall located right across the hallway from the meeting rooms in the Riviera Convention Center. Plan now to attend the 182nd 2YC₃ and if possible the entire WRM.

Consult the WRM 2008 Website, <http://membership.acs.org/w/WRM2008> and the 2YC₃ Website, <http://2yc3.org> starting in mid-April for informational updates, online registration, hotel accommodations, the program, area attractions and deadlines. Those wishing to present a paper, workshop or a poster at the 2YC₃ meeting should contact one of the 2YC₃ Program Co-Chairs:

- Onofrio (Dick) Gaglione, email: oggag@aol.com, phone: 702-254-1782
- Kaveh Zarrabi, email: kaveh.zarrabi@csn.edu, phone: 702-480-4554

Preliminary Program

The Preliminary Program for the 182nd 2YC₃ will include the following:

<u>Presenter</u>	<u>Institution</u>	<u>Type of Presentation</u>
David Brown*	Southwestern College (Chula Vista, CA)	Keynote Address
Carlos Gutierrez**	California State University (Los Angeles, CA)	Banquet Speaker
Thomas Higgins	Harold Washington College (Chicago, IL)	Paper & Poster
Douglas Bond	Riverside College (Riverside, CA)	Workshop
Jodi Wesemann	American Chemical Society (Education Division)	Paper
Lynn Diener	University of Wisconsin (Madison)	Workshop
Linda Fanis	University of Wisconsin (Madison)	Workshop
TBA	National Science Foundation	Workshop/Paper
Martin Rudd	University of Wisconsin (Fox Valley)	Paper
Iraj Nejad***	Mt. San Antonio College (Walnut, CA)	Paper
Servando Munoz***	Miami Dade College (Miami, FL)	Paper
Kaveh Zarrabi	College of Southern Nevada (Las Vegas, NV)	Poster
Eun Woo Chang***	Truckee Meadows CC (Reno, NV)	Paper
Paris Svoronos***	Queensborough CC (Bayside, NY)	Paper
Edward Kremer***	Kansas City, Kansas CC (Kansas City, KS)	Paper

*Recipient of the ACS Stanley C. Israel Award in 2006

**Recipient of the ACS Stanley C. Israel Award in 2007

***Educators who have been contacted and are possible presenters

The Final Program will appear in the Early Fall issue of the Chemistry Outlook Newsletter and on the WRM 2008 and 2YC₃ Websites. Keep checking for updates.

Community College Undergraduate Researchers to Present on Capitol Hill

by

David R. Brown, Ph.D.
Southwestern College

Recent 2YC₃ conferences have addressed Undergraduate Research as one of their programmatic areas of focus. The positive effects that student research experiences have on recruitment and retention in the chemical sciences are widely hailed. The expanding incidence of research activities in two-year colleges is drawing national attention from various federal funding agencies and educational advocacy organizations, such as the National Science Foundation (NSF) and the Council on Undergraduate Research (CUR), in addition to ACS.

This movement has gained sufficient traction to have a student research project from a community college chosen for participation in the prestigious and highly competitive annual Posters on the Hill event, sponsored by CUR. Approximately one in seven abstracts submitted to is invited to contribute to Posters on the Hill, including one submitted by students from Southwestern College (SWC) in Chula Vista, CA for the April 30, 2008 event held in the U.S. House of Representatives Rayburn Office Building.

A poster entitled “Mid-Infrared Spectral Characterization of Volume Holographic Gratings and Nanofabrication of Optical Structures,” by presenting author Mr. Manuel Alingog, will be showcased to members of Congress, administrators from federal funding agencies, and other government officials. Funded by the NSF SBIR ICC Program, the project is a collaborative effort between the SWC research team and a small business enterprise, Ondax, Inc. of Monrovia, CA. In addition to Mr. Alingog, two other students, Ms. Chona dela Cruz, and Mr. Héctor Eduardo Mendoza Solano, are also supported by the NSF funds and are involved in the research undertaken at SWC.

In addition to the capstone poster session and reception, the activities in Washington, D.C. include an orientation session at ACS Headquarters, presentations by Congressman Vernon J. Ehlers and Mr. John Marburger, Science Advisor to the President, and visits to the offices of California Senators Dianne Feinstein and Barbara Boxer and Representative Bob Filner of the 51st Congressional District (home district to SWC).

David Brown, SWC Professor of Chemistry, is the Director of the NSF project and faculty mentor to the undergraduate researchers. He has been actively involved in research activities with community college students for nearly 10 years, directing more than 20 SWC students, several of whom have presented at various regional and national meetings and who have contributed to publications in peer-reviewed journals. The participation of Brown and his students in the events in the nation’s capital is part of an effort on the behalf of CUR to convey the importance of undergraduate research, including that undertaken in two-year colleges, directly to the decision-makers of the federal budget - members of the U.S. Congress.



From left: Ms. Chona dela Cruz, Mr. Héctor Eduardo Mendoza Solano, Dr. David Brown and Mr. Manuel Alingog. This photo was taken at the ACS Western Regional Meeting in San Diego in Oct. 2007.

**Call for applications for the office of
Chair-Elect
of 2YC₃ for the year 2010**

Application for Chair-Elect for 2010 must include:

- A. Pertinent personal data such as name, college, job title, address, etc.
- B. Brief statement of pertinent qualification, signed by the nominee.
- C. A statement indicating a willingness to serve signed by the nominee.
- D. A statement of support from an appropriate person in the applicant's school.
- E. To be eligible to be nominated an individual must:
 1. be a two-year college chemistry teacher
 2. have been a dues paying member of 2YC₃ a minimum of three years prior to nomination
 3. be a member of DivCHED
 4. have demonstrated leadership and organizational ability by serving as Chair or Co-Chair for a conference and in one or more of the following capacities:
 - a. served three years on the Executive Committee
 - b. served as Local Arrangements Chair for a Conference
 - c. chaired a sub-committee
 - d. contributed within the past three years two or more ways such as:
 - acted as local industrial sponsor coordinator,
 - chaired a conference section,
 - presented a paper at a conference,
 - moderated a panel at a conference,
 - other ways an individual has contributed

-Applications must be received by the Chair no later than September 1, 2008.

-The COCTYC will serve as a nominating/screening committee to generate a slate of two candidates.

-Each 2YC₃ member shall vote for one nominee and the candidate who receives the greater number of votes shall be declared elected.

-Ballots must be received by the Chair postmarked no later than 12/31/2008.

**Call for applications for the office of
Industrial Sponsors Chair
of 2YC₃ for a three year term beginning 2009**

Application for Industrial Sponsors Chair for a three year term beginning in 2009 must include:

- A. Pertinent personal data such as name, college, job title, address, etc.
- B. Brief statement of pertinent qualification, signed by the nominee.
- C. A statement indicating a willingness to serve signed by the nominee.
- D. A statement of support from an appropriate person in the applicant's school.
- E. To be eligible to be nominated an individual must:
 1. be a two-year college chemistry teacher
 2. have been a dues paying member of 2YC₃ a minimum of three years prior to nomination
 3. be a member of DivCHED

-Applications must be received by the Chair no later than September 1, 2008.

-The COCTYC will serve as a nominating/screening committee to generate a slate of two candidates.

-Each 2YC₃ member shall vote for one nominee and the candidate who receives the greater number of votes shall be declared elected.

-Ballots must be received by the Chair postmarked no later than 12/31/2008.

Selected Symposia for the 2008 BCCE...

- Accreditation, Accountability, and Articulation Issues in Chemistry Education
- Alternative Energy Resources
- Approaches to Teaching Bonding in Introductory Chemistry Courses
- Assessing to Generate Learning Centered Undergraduate Chemistry
- Best Practices in e-learning Design and Delivery
- **Building and Renovating Your Science Buildings**
- **Building Bridges Between 2 Year and 4 Year Colleges**
- Center for Workshops in the Chemical Sciences (CWCS)
- Chemistry Technician Program
- Computers in Chemical Education: Best Practices
- Effective (and easy) use of podcasts and screencasts in lectures
- Engaging Students in Organic Chemistry
- Evolution of the GOB Course – What's in it Now?
- Evolving Nature of Nanoscience in the Undergraduate Chemistry Curriculum
- **Exploring the ACS Guidelines and Expectations for the First Two Years of Chemistry**
- Greening of the General Chemistry Laboratory
- Guided Inquiry Experiments for the Organic Chemistry Laboratory
- Household Chemistry Demos, Labs, and Activities
- Innovations in the Organic Chemistry Curriculum
- Inquiry Materials that Really Work: Teacher Designed and Tested
- Inquiry-based Interactive Learning and Improving Science Literacy
- Instrumentation in the General Chemistry Laboratory
- Integrating Simulations and Animations into the Teaching and Learning of Chemistry
- Interdisciplinary Approaches to Teaching and Learning
- **Issues Concerning Community Colleges**
- POGIL: Process Oriented Guided Inquiry Learning
- Role of the Laboratory Experience in General Chemistry
- Second Decade of Peer-Led Team Learning
- Service-learning in Chemistry
- Survivor Skills for 1st to 5th Year Chemistry Teachers
- Teaching Chemistry Courses for Non-scientists
- Teaching Chemistry Using Popular Media
- Teaching in the Laboratory Environment
- Using Electronic Data Collection in Laboratories to Promote Learning—Research Results and Practice
- **Using the ACS Guidelines for Chemistry Programs in Two-Year Colleges to Enhance Chemistry Programs and to Facilitate Student Transitions**
- Using Writing as Part of a Learner-Centered Chemistry Curriculum: Without Committing All Your Time to Grading Papers Writing Across the Chemistry Curriculum as a Teaching Method

ANASAZI INSTRUMENTS

60/90MHz
FT-NMR



The Eft makes FT-NMR

**affordable
accessible
manageable
possible
reliable
usable**



CRYOGENS

toll free: 866.494.9369
office: 317.783.4126
fax: 317.783.7083
sales@aiinmr.com
www.aiinmr.com

SHIMADZU
www.ssi.shimadzu.com

Quick...and to the Point

Weigh your options, you'll choose Shimadzu.

For over a century, the Shimadzu name has been synonymous with precision scientific instruments. Shimadzu's continuous research and improvement on analytical balances has produced patented technology and innovations for the benefit of industry and research.



Our balances offer:

- Speed
- Durability
- Functionality
- Stability
- Communication
- Reliability

Shimadzu's UniBloc Design: One-piece manufacturing assures reliability, excellent response, and a long operational life.

Windows® Direct Communication: No communication software is needed to integrate weighing results with laboratory software.

You demand performance, productivity and value, **Shimadzu delivers.**



To learn more, call (800) 477-1227 or visit us on-line at
www.ssi.shimadzu.com/balances

Shimadzu Scientific Instruments
7102 Riverwood Drive • Columbia MD • USA 21046

Travel Grant Opportunity for Community College Faculty!!

Applications Are Being Accepted for The Dorothy and Moses Passer Education Fund

Editor's note: This exceptional funding opportunity is open to 2-year college faculty to help fund a specific goal toward which they may be working. For example, while trips to conferences can't be funded, financial support that is not available from the faculty member's college may be provided for travel to workshops, etc. Two-year college faculty have a great advantage of teaching first generation/underserved populations/non-traditional students and they should make note of that in their application.

This Fund was established by a generous donation of Dorothy and Moses Passer. Moses (Mike) Passer was for many years the head of the ACS Education Division. The Fund supports grants to provide support for teachers in programs at two- and four-year colleges or universities that do not have any advanced degree programs in the chemical sciences. The awards are to support continuing education activities that must be directly related to the applicant's teaching and must take them away from their campus. The applicant must be a full time faculty member at his or her institution. The applications are reviewed by a committee. There is no application form but the application must include a description of the proposed activity and how it relates to his/her teaching with dates, locations, titles and contacts; a brief description of the applicants institution and department; a short curriculum vita; an itemized estimate of expenses, amount of aid requested and sources of all supplemental funds. No support will be given for general attendance at national, regional or local ACS meetings nor for any sabbatical support.

Closing dates are three times each year: **January 1**, **April 1**, and **September 1**. All applications must be received electronically. For further information or inquiries contact **Richard Jones**, richard.jones@sinclair.edu; mailing address: **Sinclair Community College, Dayton, OH 45402**

Submission Deadlines for Chemistry Outlook

I would like to extend an invitation for submissions to future issues of Chemistry Outlook. Articles of interest, including "It Works for Me!," photos, comments or experiences from 2YC₃ conferences, or conference announcements are welcome. Deadlines for submissions to future issues of the Chemistry Outlook are listed below. For more information, please contact Jim Schneider, newsletter editor: jschneid@pcc.edu. Thank you!

Volume	Submission Deadline	Anticipated Arrival Date	Conference Information
2008-III	June 15, 2008	Aug. 15, 2008	182 nd Las Vegas – Program 183 rd Anne Arundel – Prelim Info
2008-IV	July 15, 2008	Sept. 15, 2008	183 rd Anne Arundel – Program 184 th Salt Lake City – Prelim Info
2009-I	Dec. 15, 2008	Feb. 15, 2009	184 th Salt Lake City - Program 185 th TBD – Prelim Info

Welcome to the New 2YC₃ Committee Members!

Congratulations to **Lance Lund**, Anoka-Ramsey Community College, our 2009 Chair-Elect; **Frank Ramdayal**, Bergen Community College, our new Membership Chair; and **Andy Aspaas**, Anoka-Ramsey Community College, our new 2YC₃ Webmaster!

Vincennes University
Committee on Chemistry in the Two Year College
1002 North First Street
Vincennes, Indiana 47591-5201

Nonprofit Org.
Auto
U.S. Postage
PAID
Permit #85
Vincennes, IN 47591

Jeff Cramer, CHAIR
Jim Schneider, EDITOR
COMMITTEE ON CHEMISTRY
IN THE TWO-YEAR COLLEGE
Division of Chemical Education
American Chemical Society

NEW Vernier LabQuest

Vernier announces the breakthrough data-collection technology solution for chemistry—Vernier LabQuest.

- Color touch screen
- Use as a computer interface with Logger Pro software or as a stand-alone laboratory interface
- Comprehensive curriculum—more than 70 experiments for college general chemistry
- Built-in data collection and analysis software
- On-board applications including a periodic table and scientific calculator
- Six sensor ports compatible with over 50 Vernier sensors



Go to www.vernier.com/labquest to take a product tour, look for free workshops in your neighborhood, or watch Dave Vernier demonstrate LabQuest.

ONLY
\$329 NEW!

VERNIER
LABQUEST

The freedom to inquire. The technology to excel.

Vernier Software & Technology • www.vernier.com • Toll Free: 888-837-6437

MicroLab's NEW FS-516 **FASTspec™** scanning spectrophotometer will make

11 Useful Spectrophotometric Measurements



MicroLab's patented **FASTspec™** USB spectrophotometer provides two-second scans and eleven different kinds of useful spectrophotometric information in the UV-VIS 360-880 nm range.

- UV-VIS spectra profiles
- Beer's Law concentration plots
- Beer's Law path length plots
- Timed absorbance kinetics
- Timed scatter kinetics
- Spectral profile comparisons
- Fluorescence excitation
- Visual fluorescence
- Fluorescence emission spectra
- Nephelometric turbidity
- Backscatter turbidity



MicroLab's FS-522 includes **FASTspec™** capability and will make almost every instrumental measurement needed in general and environmental chemistry and biochemistry.

microLAB

For complete product information
www.microlabinfo.com
888-586-3274