

Chemistry Outlook

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



Sonja E. Davison, 2004 Chair

7

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otes From The Chair

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Nitrogen

Sonja E. Davison
Tarrant County College
Hurst, TX 76054

July 22 – Home from the 18th BCCE – Reflections thereupon.....

When I set out on my journey to Ames last weekend, I did so with the intention of keeping a detailed journal of the events. I had planned to call it “Journal from the Frontlines: Embedded with the Troops at Iowa State.” I carefully noted my surroundings on the drive from Des Moines to Ames: Cornfields as far as the eye could see. Tom Greenbowe did not exaggerate. Crossing the South Skunk River into Story County, I found a really pretty town – totally Middle America. The weather was sunny and cool (by Texas standards). Trees and flowers and kids everywhere. Hundreds of kids. It turns out that the Division of Chemical Education was not the only group convening in Ames that weekend. It was also the location of the Iowa Games. All age groups participated in every conceivable sport, occupying every park in town and every playing field on the ISU campus. We coexisted very nicely for the first few days of the conference since the facilities on the campus were more than adequate to accommodate all of us. Registration was painless.

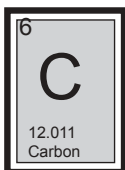
On Sunday night, however, I ran into a problem with my journal. When Firouz Naderi gave the Plenary Lecture describing some of his work with the Mars Exploration Program at NASA’s Jet Propulsion Laboratory, I found that I could not take notes: I was too busy listening to his fascinating story. I decided then and there that I am no journalist and that I might as well abandon any such notions.

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Conference Calendar

2004 - 2005 Academic Year

168th Conference (Western)

October 14-16, 2004 Leavenworth, WA

Contact: Mary O'Brien
Email: mobrien@edcc.ctc.edu
Edmonds Community College

169th Conference (South Eastern)

November 10-13, 2004 SE Regional ACS meeting
Research Triangle Park Area, North Carolina

Contact: Clarita Bhatt
Email: ccbhat@aol.com

170th Conference (Western)

March 11-12, 2005 Palomar College, San Marcos, CA

Contact: Bettina Heinz
Email: bheinz@palomar.edu

ACS - San Diego, CA, March 13-17, 2005

171th Conference (Eastern)

October 14-15, 2005 Bucks County Community
College, PA

Contact: Michaleen Lee
Email: leem@storm.bucks.edu

172nd Conference (Midwestern)

late fall, 2005 W. R. Harper College, Palatine, IL

173rd Conference (Southern)

March 26-30, 2006 Atlanta, Georgia

174th Conference (Eastern) 19th BCCE,

July 30-August 3, 2006, Purdue University Campus, West
Lafayette, Indiana

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

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For the rest of the conference, I just listened to the speakers, made an occasional note when something especially cogent was uttered, and just thoroughly enjoyed myself. I did wonder how the other speakers felt about following the dynamic presentation Dr. Naderi gave on opening night, but it was not an issue after all. Each of the Plenary and Keynote speakers was just as interesting and

compelling, and each gave me a lot to think about.

The hosts offered many interesting symposia, workshops, posters, demonstrations, exhibits. We also enjoyed events such as the Hawaiian Island Night, the banquet, and the Birds of a Feather Sessions, which afforded opportunities for socializing and exchanging ideas. By Wednesday evening, I was experiencing sensory overload – one too many hydrogen balloon explosions, I suppose. But there was more: the Galileo players entertained us with science-related sketch comedy (not an oxymoron); then we witnessed the passing of the torch from Tom Greenbowe to Bill Robinson, General Chair of the 19th BCCE at Purdue. This was not exactly a solemn occasion.

After the torch-passing ceremony, we adjourned to the Antechamber of Stephens Auditorium and enjoyed the traditional Ice Cream Social, cosponsored by 2YC₃ and the *Journal of Chemical Education*. We had the rare privilege of being entertained by the world-renowned rock group, Al D. Hyde and the Keytones (Tom G., et al.). It was a fitting way to end the meeting.

Actually, the meeting continued on Thursday morning with Keynote speaker Bassam Shakhshiri. He gave an inspirational talk about the significant role we chemistry teachers/professors can play in our students' lives. There were a few more workshops and symposia, but many people had to leave mid-morning.

So, now I have to come back down to earth and rejoin my organic students that I abandoned for the duration of the conference. (I left them in good hands with my colleague Bill Kucera.) It was a wonderful conference, and Tom Greenbowe and his team are to be congratulated for their great success at conducting such an outstanding, well-organized event.

A note about our 2YC₃ open meeting: approximately 20 people attended the meeting, some "old-timers" and some newbies. Conducting the meeting was a challenge: it was held in an alcove of the dining hall at high noon. But I was pleased to see that there is a great deal of interest in our organization and upcoming meetings. At this meeting and at the Undergraduate Transitions Poster Session, I talked to a lot of people who I feel sure will show up at future 2YC₃ conferences. Speaking of which, see you in Leavenworth!

2004 COCTYC AND SUPPORT STAFF
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American Chemical Society
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2YC₃ World Wide Web Page: <http://2yc3.org> or <http://2yc3.vinu.edu/>, Jay Bardole, WebMaster

2YC₃/Division of Chemical Education Joint Membership Form

This is a special offer for 2YC₃ members who are not already members of the Division of Chemical Education. The dues for 2YC₃ are \$15.00 and the dues for the Division of Chemical Education are \$20.00. If you are not now a member of the Division of Chemical Education, you can join the Division and renew your membership with 2YC₃ for only \$30.00, a savings of \$5.00.

Renew my 2YC₃ membership I wish to join DivCHED as: a Member (ACS Members only)
 an Affiliate (non ACS Members)*

*affiliates have all membership privileges except voting and holding elective office

Your Name: _____

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 Street City, State Zip Code

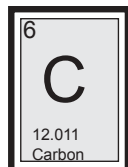
College Phone: _____ Email: _____

Send 2YC₃ Newsletter and CHED Newsletter to Home _____ Work _____
 Send ACS Member Form Yes _____ No _____

2YC₃ Membership Information: Are you a
 Two-Year College Teacher? Four-Year College Teacher?
 High School Teacher? Other

Please send your check, payable to 2YC₃, for \$15 (2YC₃ only) or \$30 (joint membership) to: Dolores C. Aquino, San Jacinto College Central, 8060 Spencer Highway, Pasadena, TX 77501-2007

**168th 2YC₃ Conference combined with the
Washington College Chemistry Teachers' Association 12th Annual Conference
October 14 - 16, 2004**



Conference Program

**Programs Chairs: Mary O'Brien, Edmonds Community College
email: mobrien@edcc.ctc.edu
Clarita Bhatt, Shoreline Community College
email: ccbhat@aol.com**

Have you made your reservation yet for this exciting event that will take place at the Sleeping Lady Mountain Retreat in Leavenworth, Washington? Early registration guarantees you a place at the fabulous retreat! If you have not made a reservation at the Sleeping Lady Mountain Retreat, there is still time. If you prefer to stay elsewhere in town, there are several other hotels and motels available in Leavenworth.

This meeting will be a wonderful opportunity for two-year college chemistry educators from across the nation to interact with their counterparts from the state of Washington. This 2YC₃ meeting is combined with the popular and always well-attended Washington College Chemistry Teachers' Association (WCCTA) annual meeting. There will be opportunities for "Birds of a Feather" sessions. If you have a topic in mind for a panel discussion, please let us know so that we can schedule it. Since we will also have educators from Washington State universities, articulation issues will be appropriate for this meeting. Our keynote speaker will talk about the General Chemistry text book. To continue with this theme, there will be a session on "What Should Be Covered in the General Chemistry Curriculum" and "What is Appropriate for the Organic Chemistry Class."

For more information about the wonderful mountain community of Leavenworth, please go to www.leavenworth.org.

As of now, the following events have been firmed up. Please check the 2YC₃ web page <http://2yc3.org> for additions to the program.

Thursday Evening	Check-in/Dinner/Social gathering
Friday	Keynote Address: “ <i>Between the Covers: Forces that Create and Change General Chemistry Texts</i> ”, Professor Steve Gammon from Western Washington University. Panel Discussion: The General Chemistry Curriculum. What is appropriate? Panel Discussion: The Organic Chemistry Curriculum. What is appropriate? Evening Entertainment
Saturday	Presentations* and Workshops All day POGIL workshop (free!) Business Meeting after lunch *Presentations include: Introducing Forensics into the College Lab VENDOR DISPLAYS ON BOTH DAYS** **Includes Vernier Probeware in College Chemistry

Off-site lodging and driving directions:

For online information, please check the extensive list of hotels and motels in town at: <http://www.leavenworth.org/>

The nearest hotel to the Sleeping Lady Retreat center is the Icicle Inn. The telephone number is: 1-800-558-2438. They have reserved 6 rooms for our guests until September 14 at the group rate of \$109 for a room with 2 queen beds. When reserving, mention 2YC₃. Fall season is a busy one for the Bavarian village of Leavenworth due to Oktoberfest, so availability is limited. Other hotels may have cheaper rates.

For driving directions to the resort please check www.sleepinglady.com/about/map.php. The easiest way to reach the resort, traveling from Seattle/Tacoma airport is to take I-5 North and go to Everett and from I-5 at Everett take Highway 2 all the way to Leavenworth. The scenic drive of about 120 miles will take you over the mountains through Stevens Pass. Once you enter Leavenworth, Sleeping Lady is 2.5 miles south of the intersection of Highway 2 and Icicle Road. Icicle Inn is right at that intersection. Address: 7375 Icicle Road. (800) 574-2123

If you choose to arrive at Wenatchee's Pangborn Airport you will be only 34 miles west of Sleeping Lady.

Information from the 18th Biennial Conference of Chemical Education (BCCE).

Successful Undergraduate Transitions: Possible topic for a panel discussion for the 168th 2YC₃ conference in Leavenworth.

Educators from across the country and a range of institutions convened at the 18th Biennial Conference of Chemical Education, held July 18-22 at Iowa State University. At the session "Undergraduate Transitions: Enhancing Student Success," presenters highlighted opportunities and discussed various approaches for ensuring that students who attend more than one institution receive a quality education. Links to presentations and related resources can be found by visiting chemistry.org/education/BCCEConference.html. The Society Committee on Education, the Committee on Minority Affairs, and the Committee on Technician Affairs sponsored the session. For more information, contact Jodi Wesemann at 202-872-4587 or j_wesemann@acs.org.

**Dorothy and Moses Passer Education Fund -
Applications Accepted Now**

Do you want to go to a workshop, but can't afford it? Go to page 10 and see if you qualify for Passer Funds.

We hope you will attend and that you will send in your registration soon.

Mary O'Brien, Sara Selfe, and Mary Whitfield (Edmonds Community College)
Linda Kuehnert and Clarita Bhat (Shoreline Community College)

Washington College Chemistry Teachers' Association
12th Annual Conference/168th 2YC₃ Conference
October 14-16, 2004
Sleeping Lady Mountain Retreat, Leavenworth, Washington
Registration Form

Name: _____ M _____ F _____

Institution: _____

Address: _____

email address: _____

Phone number: _____

Roommate choice(s): _____

Do you plan to give a presentation? _____ Yes _____ No

If part-time, are you interested in a stipend (\$100) to help defray conference costs?

_____ Yes _____ No

FEES

Prices for the conference including lodging, meals, and registration are as follows:
(prices include all taxes and service fees)

	<u>One night</u>	<u>Two nights</u>
Single room (one person)	_____ \$240	_____ \$480
Double room (two people)	_____ \$175	_____ \$350
Triple room (three people)	_____ \$150	_____ \$300

Off-site fees: _____ \$110 for one day (includes 3 meals)
_____ \$220 for two days (includes 6 meals)
_____ \$20 registration, no meals (current 2004 2YC₃ members)
_____ \$35 registration (includes 2004 2YC₃ membership)

Fees for spouse or guest are the same.

Total Enclosed: _____

Make Checks Payable to WCCTA and return with this form to:

Carole Berg, WCCTA Treasurer
Science Division
Bellevue Community College
3000 Landerholm Circle S.E.
Bellevue, WA 98007

*****Please Return ASAP*****

FUTURE 2YC₃ CONFERENCES!

You are all invited to the SERMACS-2004!

November 10-13, 2004

<http://membership.acs.org/s/serm2004/>

The North Carolina Section of the American Chemical Society and the 2YC₃ of the Division of Chemical Education invite you to attend and to present your work at the 56th annual Southeastern regional Meeting of the American Chemical Society and the 169th 2YC₃ Conference. The meeting will take place at the Sheraton Imperial Hotel and Convention Center, near the Raleigh-Durham International Airport. This hotel has excellent accommodations and food services. The world-renowned Research Triangle Park is defined by the cities of Chapel Hill, Durham and Raleigh, which are home to Carolina State University. The Park, which includes many prestigious organizations such as the National Institute for Environmental Health Sciences, GlaxoSmithKline, the Environmental Protection Agency, and IBM, is located in the piedmont region of North Carolina, about half way between the Smokey Mountains and the famous beaches of the North Carolina coast. In addition to being the home of three previous national champion college basketball teams, the Research Triangle offers many diverse cultural activities.

Highlights of the meeting will include a Symposium and Banquet honoring Professor Ernest Eliel, a Symposium in Frontiers of Chemistry and Medicine, a Symposium on “Revisiting the Organic Chemistry Curriculum”, sponsored by 2YC₃, and a plenary lecture featuring Dr. John Fenn, Nobel Laureate in Chemistry, 2002. In total, the program will include 32 special events, workshops and symposia. For more information, contact the General Chair, Sol Levine at SERM2004@mindspring.com. For your 2YC₃ co-chairs, contact Clarita Bhat at ccbhat@aol.com; Susan Schwarz at sschwarz@cccc.edu and Tracy Cheatham at tcheatham@cccc.edu.

171th 2YC₃ Conference (Eastern)

The 171th conference will be held on October 14-15, 2005. The theme of the conference is “From the Past comes the Future.” This joint conference will be held with the Bucks County Science Teachers Association (K-College). The conference will also have a contingent from the four-year program with a seamless transfer in Science Education. A tour of the Chemical Heritage Foundation in downtown Philadelphia is included on Friday afternoon. The banquet will follow at that location.

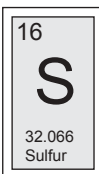
The program chair, Michael Lee, leem@storm.bucks.edu, invites presentations that highlight innovations you have tried and that worked in your classroom.

The 19th Biennial Conference on Chemical Education, 174th 2YC₃ Conference

The 2004 BCCE was held in late July on the Iowa State University Campus. These meetings are a rich source of ideas to improve your teaching and your department. 1400 chemists came together to share what works for them when they teach chemistry. There were 643 papers, 96 poster papers, 77 workshops, plus plenary and keynote sessions, and 60 exhibitors. This took place in four days. I came home really excited. There were papers on nearly every topic that is important to our university. The symposia included how students learn, the use of models and analogies, computer generated homework, topics in general chemistry, organic chemistry, biochemistry, assessment, use of technology, nanotechnology, distance education, and transfer and articulation.

The next Biennial will be July 30-August 3, 2006 on the Purdue University Campus, West Lafayette, Indiana. Plan to attend. 2YC₃ participates in the planning of each of these conferences. If you have a topic that is important to you, organize a symposium in that topic. A symposium is made up of five papers. If you have a paper on a topic you would like to share with the chemistry education community, it can be a part of a symposium or presented in a general session. 2YC₃ is considering a symposium on Transfer and Articulation and one on Surviving as a One Person Department. Begin to think about it and if you want to propose organizing an additional symposium or participate by giving a paper, please contact me.

Jay Bardole
2YC₃ Member of the 19th BCCE Committee
jbardole@vinu.edu
Vincennes University
Vincennes, IN 47591



S p o n s o r

2004 College Sponsors

Thank you to all of the College Sponsors who have contributed in so many ways to the successful programs of the 2YC₃. Many of these colleges have been supporting our efforts for more than 30 years not only with a membership, but also by supporting their chemistry teachers in the activities of the 2YC₃.

Allegheny College of Maryland (Allegheny CC)	Erie Community College	Mt. Hood Community College
Amarillo College	Essex County College	Navarro College
Anne Arundel Community College	Front Range Community College	New York City Technical College
Anoka-Ramsey Community College	Gainesville College	Normandale Community College
Atlantic Cape Community College	Garden City Community College	North Lake College (Texas)
Bellevue Community College	Grand Rapids Community College	North Seattle Community College
Bergen Community College	Highland Community College	Northampton Community College
Bismarck State College	Holy Cross College	Northeast Texas Community College
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College of Southern Maryland	Lorain County Community College	Sierra College
College of the Mainland	Maricopa County Community College	South Arkansas Community College
College of the Sequoias	Metropolitan Community College	South Suburban College
Collin County Community College	Miami-Dade Community College	Southeast Community College
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Des Moines Area Community College	Monroe Community College	Truckee Meadows Community College
Dodge City Community College	Montgomery College	Waubonsee Community College
El Camino Community College	Mott Community College	

If you don't find your school in this list, please consider approaching your administrators about having your college become a college sponsor. The yearly membership fee is only \$25. Please send your check, payable to 2YC₃, to: Rick Bolesta, Mt. Hood Community College, 26000 SE Stark St., Gresham, OR 97030.



Consider what C₃S can do for you!

The College Chemistry Consultant Service (C₃S) consists of independent chemistry educators who, upon request, offer advice to academic institutions. As described in "C₃S and Two-Year Colleges: A Partnership for Progress" (Susskind, T. Y. *J. Chem. Educ.* **2003**, *80*, 990-991), C₃S consultants can provide expertise on a wide range of topics, including those that are unique to two-year colleges. Financial support for consulting visits is available. To learn more, visit chemistry.org/education/institutional/c3s.html, e-mail C3S@acs.org, or call 1-800-227-5558 x6124.

The Dorothy and Moses Passer Education Fund - Application Accepted Now

The 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 which are to provide support for teachers in small programs at two- and four-year colleges and universities that do not have any advanced degree programs in the chemical sciences. The awards are to support continuing education 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 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. Electronic applications are preferred. For further information or inquiries contact Donald E. Jones, djones@erols.com; mailing address: 3726 Connecticut Avenue, NW, Apt. 108, Washington, DC 20008

Call for application for the office of Chair-Elect of COCTYC for the year 2006

Application for Chair-Elect 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. be a member of ACS
 5. 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, 2004.
-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 12/31/2004.
-Ballots will be counted by the Chair in the presence of a Notary.
-The results of the election will be reported in the first possible newsletter.

Houghton Mifflin Chemistry 2004

Zumdahl
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A Foundation, 5/e
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0-618-30486-1 • Chs. 1-20

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Middle Tennessee State University, Murfreesboro, TN 37132

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