2000 COCTYC AND SUPPORT STAFF

Chair
Rick Bolesta
Mt. Hood Community College
26000 S.E. Stark Street
Gresham, OR  97030
Office: (503) 491-7361
Fax: (503)491-7481
Home:(503) 665-6353
e-mail: bolestar@mhcc.cc.or.us

Chair Elect
Frank Koch
Bismark State College
1500 Edwards Avenue
Bismark, North Dakota 58501
Office: (701) 224-5423
Fax: (701) 224-5550
e-mail: fkoch@gwmail.nodak.edu

Membership Chair
Dolores C. Aquino
San Jacinto College Central
8060 Spencer Highway
P. O. Box 2007
Pasadena, TX 77501-2007
Office (281) 476-1501 ext. 1663
FAX (281) 478-2757
e-mail: DCAquino@Compuserve.com

Industrial Sponsors Chair
Michaeleen Lee
Bucks County Community College
Swamp Road
Newtown, PA 18940
Office: (215) 968-8364
FAX: (281) 478-2757
e-mail: leem@storm.bucks.edu

Assistant Ind. Sponsors Chair
Mike Canestaro
Sinclair Community College
444West Third Street
Dayton, OH 45402
Office: (937) 512-5335
Fax: (937) 512-5164

2YC3 World WideWeb Page
URL: http://2yc3.vinu.edu/ or
http://jbardole.vinu.edu/
Jay Bardole, WebMaster

Immediate Past Chair
Tom Gruber
Delgado Community College
2600 General Meyer Avenue
New Orleans, LA 70114
Office: (504) 361-6410
Fax: (504) 361-6411
Home:(504) 943-5507
e-mail: TAGruber@aol.com

Past Chair
Carol L. White
Athens Technical College
800 U.S. Highway 29 North
Athens, GA 30601-1500
Office: (706) 355-5033
Fax: (706) 355-5181
Home: (706) 769-8341
e-mail:white@aati.edu

Past Chair
Richard Jones
Sinclair Community College
444 West Third Street
Dayton, OH 45402-1460
Office: (937) 512-2322
FAX: (937) 512-5164
Home: (937) 836-9179
e-mail: RJones@sinclair.edu

Treasurer/College Sponsor
Jeffrey Cramer
Stark State College of Technology
6200 Frank Ave. N.W.
Canton, OH 44720-7299
Office: (330)966-5457, ext. 377
Fax: (330) 494-0571
Home: (330) 695-4724
e-mail: JCramer@stark.cc.oh.us

Newsletter Editor
Jay Bardole
Vincennes University
Vincennes, IN 47591
Office: (812) 888-4372
FAX: (812) 888-4540
e-mail: jbardole@indian.vinu.edu

Meeting Programs in This Issue

2000-2001 Academic Year

154th Conference (Midwestern)
November 10-11 2000
Vincennes University
1002 North Frist Street
Vincennes, Indiana 47591

Program Chair:
Tom Gruber
Delgado Community College
2600 General Meyer Avenue
New Orleans, LA 70114
Office: (504) 361-6410
Fax: (504) 361-6411
e-mail: TAGruber@aol.com

Local Arrangements Chair: Jay Bardole
Vincennes University
e-mail jbardole@Indian.vinu.edu
Phone: 812-888-4372

Exhibits Coordinator:
Trudie Wagner
Phone 812-888-4526
e-mail: twagner@Indian.vinu.edu

155th Conference (Western)
March 30-31 2001
San Diego City College
1313 12th Street
San Diego, CA 92101

Contact
Harold Kane
Phone 619-230-2642
e-mail: kane@sdcdd.cc.ca.us
2YC₃/DIVISION OF CHEMICAL EDUCATION JOINT MEMBERSHIP FORM

This is a special offer only for 2YC₃ members who are not already members of the Division of Chemical Education. The separate dues for 2YC₃ and the Division of Chemical Education are $15.00 each. 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 $25.00, 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: __________________________________

Home Address: ___________________________________________ 
Street ______________________________________ City, State ___________________ Zip Code

Work Address: (if different) ___________________________________ 
Street ______________________________________ City, State ___________________ Zip Code

College Phone (___)-_________________ e-mail______________________________________________

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 $25 (joint membership) to: Dolores C. Aquino, San Jacinto College Central, 8060 Spencer Highway, Pasadena, TX 77501-2007
Fall term has begun; it’s the start of a new academic year. Students are back with renewed energy and expectations of academic success. Hopefully, as teachers, we return with similar amounts of energy and high expectations for the year to come.

As the new academic starts and the calendar year ends, I am completing my term as 2YC Chair. I have done my best to deserve the honor of being nominated and then elected to lead the organization during the year 2000. I have appreciated the support and encouragement provided by the COCTYC and other members of the 2YC. In fulfilling the responsibilities that come with the job, I have grown, and this brings me to a point that I would like you to consider, once again. Share the growth! As most of you already know, participating in 2YC conferences provides a wealth of opportunities for academic and even personal growth. All of the activities involved - meeting new friends, making a presentation, getting involved in a discussion, eating together, participating in a workshop - make us better equipped as teachers and help re-charge our batteries. This helps us provide our students with the quality teaching they deserve. But let’s not hoard the wealth. Invite others to attend a conference with you, especially those who may need a personal invitation to motivate them. When you attend local meetings with chemistry colleagues who are new to the system, be a 2YC “evangelist”; tell them the “good news.” We are here to provide them with encouragement and practical help in their day-to-day teaching.

The millennial year is a time for looking where we’ve been and where we’re headed — as an organization and also in our classrooms and programs at our own colleges. Private businesses are encroaching on the turf of traditional academic institutions and competing for our students. What is their motivation? Why do they think they can do a better job? Do they think we are being inefficient? Why are we doing what we do? Are we doing it the best way possible? Are we providing students with the finest educational opportunities? These are just some of the questions that must be answered as we think about the quality of our programs and the success of our students. Assessment is a current buzz word. We are being (and should be) held accountable for the outcomes of our programs; our college accrediting agencies are demanding it. How do we assess our accomplishments? We must develop (and modify with changing times) measurable objectives and then gauge our success against those objectives. If you have concerns about how to judge the health of your program, or how to develop measurable outcomes, the basic theme of the upcoming 154th 2YC Conference will be assessment. The complete program is included in this edition of the Chemistry Outlook, and you can see it is ripe with the topic of assessment, both for the classroom and for the program. As you will see, another highlight of the program will be Dr. Daryle Busch, the current President of the ACS, as our banquet speaker. Come and listen to what Dr. Busch has to say to two-year college teachers. We will be meeting at Vincennes University in Indiana, where our current newsletter editor, Jay Bardole, teaches. I hope you will be able to attend and share your input. The weather should still be good in November, though somewhat “invigorating.” Dress accordingly!

Finally, I would be remiss if I didn’t thank all of our members who took the time and effort to offer their schools as conference sites, to develop programs for us to enjoy, and to deal with the logistics of hotels, banquets, signage, and room scheduling. Thank you, from all of us; you have done us a great service.

Have a great year! Don’t forget to invite someone new to the conference.

A New Address

2YC has a new address for their web site. The old one will still get you there, but it makes sense that our URL should be 2YC3.vinu.edu. Give it a try. The Chemistry Outlook is now on the web page in a PDF format. All you need is Acrobat Reader, and you can see just as it is printed. The new address appears on the front of this issue of Chemistry Outlook.
Friday, November 10

8:00 - 4:00  Registration and Exhibits and Mini-Continental Breakfast

9:00 - 9:45  COCTYC Business Meeting (all are welcome)  Fort Sackville Room Beckes Student Union

9:45 - 10:00  Welcome and Opening Remarks  
Dale Dowden Vice President Academic Affairs, Vincennes University

10:00 - 10:45  Which Research in Chemical Education Is of Interest to Chemistry Faculty?  
Bill Robinson, Purdue University, wrrobin@purdue.edu

10:45 - 11:00  Refreshment Break - Exhibits Area

11:00 - 11:45  Project CALM: An Electronic Homework Program  
Romualdo de Souza, Indiana University, rdesouza@indiana.edu

11:45 - 1:00  Lunch Break

1:00 - 1:45  “I think that when you learn something from your peers, it kind of sticks better in your brain.” - Small-Group Learning in Chemistry.  
Marcy Towns, Ball State University, 00mhtowns@bsu.edu

1:45 - 2:30  Distance Education and Chemistry: Does it Work?  
Edward A. Kremer, Kansas City Kansas Community College  
Alan Colen, Kansas City Kansas Community College

2:30 - 2:45  Refreshment Break - Exhibits Area

2:45 - 3:30  A.  English 101 and Chemistry: It Works  
Kris Young, Parkland Community College, KYoung@parkland.cc.il.us  
Sally Wallace, Parkland Community College, SWallace@parkland.cc.il.us  

B.  Discovery Videos: Assessment of the Effectiveness of Active Learning by Students Viewing Digitally-Animated Videos of Chemistry Lab Experiments  
Gary Wulfsberg, Middle Tennessee State University, wulfsberg@mtsu.edu

3:30 - 4:15  Student Self Assessment on Homework and Exams  
Evelin Greene, Lansing Community College, egreen@lansing.cc.mi.us

4:15 - 5:00  Chemical Nomenclature: How to Make It Palatable  
Joe Chimento, North Iowa Community College, chimejoe@niacc.cc.ia.us
2:30 - 5:00  WORKSHOPS

A. The LabWorks Learning System  Room C-10 McCormick Science Center
   David Sinay  dsinay@scitechnologies.com

B. Project CALM: Workshop  Room 210 Shake Learning Center
   Romualdo de Souza, Indiana University, rdesouza@indiana.edu

6:30 - till  Banquet and Address  Trailblazer Room of Governor's Hall
   Greetings from Dr. Phillip Summers, President Vincennes University
   Address by Dr. Daryle Busch, President, ACS

Saturday, November 11

8:00 - 1:30  Registration and Exhibits

8:00 - 9:00  Mini-Continental Breakfast

9:00 - 9:45  Chemistry Learning Outcomes: How to Assess Them
   Dwaine Eubanks, Clemson University, eubanki@CLEMSON.EDU
   Lucy Eubanks, Clemson University, elucy@CLEMSON.EDU

9:45 - 10:30  Classroom Assessment
   Jay Bardole, Vincennes University, jbardole@indian.vinu.edu

10:30 - 10:45  Refreshment Break - Exhibits Area

10:45 - 11:45  Primary Trait Assessment in the Classroom
   Janice M. Denton, University of Cincinnati - Raymond Walters College,
   Janice.Denton@uc.edu

11:45 - 12:30  Program Assessment
   Everett Wood, Vincennes University
twood@indian.vinu.edu

10:00 - 12:30  WORKSHOPS

A. The LabWorks Learning System
   David Sinay dsinay@scitechnologies.com

12:30 - 1:45  Lunch

1:45 - 4:15  WORKSHOPS

A. Learning in Groups
   Sue Nurrenbern, Purdue University  nurrenbe@purdue.edu

B. The LabWorks Learning System
   David Sinay dsinay@scitechnologies.com

4:15  Closing Remarks:
   Rick Bolesta, Chairman, 2YC_3
Air travel to Vincennes is most easily done through Evansville Indiana. Vincennes is a fifty minute drive North on US 41 (a divided highway) from the airport to Vincennes. You may find better connections by flying into Indianapolis. It is a 2 hours and 15 minute drive from that airport to Vincennes West on I-70 then south on US 41. The Executive Inn and the Holiday Inn are at the US 41 Sixth Street exit, and the Super Eight and the Comfort Suites motels are at the US 41 Hart Street exit.

Vincennes University campus is located on the Banks of the Wabash River in the city of Vincennes. Travel from the Hart Street motels is on Hart Street to Second Street, about 1.7 miles from the exit. Turn right on Second Street to College Avenue and then two blocks to Fourth Street. Turn left onto Fourth Street and then left into the parking lot marked for 2YC, parking. From the Sixth Street exit motels continue down Sixth Street about 1.5 miles to College Avenue. Turn right on College Avenue and crossover the rail road tracks. Turn right on Fourth Street and then turn left into the parking lot marked for 2YC, parking. If you plan to park in this lot request a Conference Parking ID when you register and place it on the dash of your car.

We will furnish transportation to and from the motels if there is a demand. We will make a couple of trips from the Evansville Airport to help with your transportation needs. If you want us to help you this way please contact Jay Bardole 812-888-4372 or Jbardole@indian.vinu.edu and we will try to help as many of you as we can.

### Lodging

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<th>Room Type</th>
<th>Thursday</th>
<th>Friday/Saturday</th>
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<tr>
<td>Super 8 Motel</td>
<td>1 Person, 1 king</td>
<td>$38.59</td>
<td>$42.19</td>
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<tr>
<td>Hart Street and Highway 41</td>
<td>2 Person, 1 king</td>
<td>$42.19</td>
<td>$43.99</td>
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<tr>
<td>Vincennes, Indiana 47591</td>
<td>2 Person, 2 beds</td>
<td>$45.79</td>
<td>$47.59</td>
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Includes continental breakfast.

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<tr>
<th>Hotel</th>
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<tr>
<td>Comfort Suites</td>
<td>1 Person, 1 king</td>
<td>$59.99</td>
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<tr>
<td>2555 Hart Street</td>
<td>2 Persons, 1 king</td>
<td>$69.99</td>
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<tr>
<td>Vincennes, IN 47591</td>
<td>2 Persons, 2 queens</td>
<td>$69.99</td>
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Includes Continental Breakfast.

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<tr>
<th>Hotel</th>
<th>Room Type</th>
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<tr>
<td>Executive Inn</td>
<td>1 or 2 persons, 2 double beds or a mini suite</td>
<td>$43.00</td>
</tr>
<tr>
<td>US 41 and Sixth Street</td>
<td></td>
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<tr>
<td>Vincennes, Indiana 47591</td>
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<tr>
<td>800-457-9154 and request booking code “CHEM” for price.</td>
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<tr>
<td>Includes Continental Breakfast.</td>
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<td>Holiday Inn</td>
<td>1 Person, 1 double</td>
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<td>US 41 and Sixth Street</td>
<td>2 Persons, 1 double</td>
<td>$54.00</td>
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<tr>
<td>Vincennes, Indiana 47591</td>
<td>1 Person, 1 king</td>
<td>$59.00</td>
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<tr>
<td>1-800-Holiday</td>
<td>2 Persons, 2 double beds</td>
<td>$64.00</td>
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All prices are quoted without tax.

We will furnish transportation from these motels to and from the Conference site as it is needed.
154RD 2YC3 Conference (Central Region) Pre-Registration  
Vincennes University  
Vincennes, IN 47591

November 10th & 11th, 2000

Name ____________________________________________________________

Institution _______________________________________________________

Address __________________________________________________________

City ___________________________ State ________ Zip ______________

Phone (____)______________ Fax (____)______________ E-mail _______________________

Year 2000 memberships (check all that apply) □ 2YC3 □ ACS □ DivCHED

Are you a □ 2-year College Teacher   □ 4-year College Teacher □ High School Teacher

Conference Fees:

2YC3 Membership if not already a member (Note 1) $15.00 $___________
Conference Registration (Note 2) $15.00 $___________
Friday Evening Banquet (Note 3) $16.00 $___________
Friday Lunch (Note 4) $ 4.00 $___________
Saturday Lunch (Note 4) $ 4.00 $___________
Total (Note 5) $___________

Notes

   No registration fee is required for 2YC3 members who have already paid their year 2000 dues.
2. No registration fee is necessary for high school teachers or high school and college students.
3. Banquet payments must be received by November 7, 2000. Dinner will be a Buffet including Pineapple Ginger Chicken 
   Breasts and Smothered Sirloin Steak and all the fixings to go with them.
4. This will be in College cafeteria. Food is good and there is a wide variety. All you can eat. You can purchase ticket 
   ahead of time or pay as you go in. There is also a wide variety of fast food places on Sixth Street and on Hart Street.
5. Make checks payable to Vincennes University/2YC3 and mail to Mike Knoll, Vincennes University, Vincennes, IN 47591.

Workshop registration: There is no charge for these workshops, but registration will be on a first come basis.

Friday

The LabWorks Learning System (limit 12) □
Project CALM: An Electronic Homework Program (Limit 15) □

Saturday

The LabWorks Learning System (limit 12) AM □
The LabWorks Learning System (limit 12) PM □
Learning in Groups (limit 30) □
Distance Education and Chemistry: Does It Work
Edward A. Kremer and Alan Colen
Kansas City Kansas Community College

This presentation will focus on the teaching of chemistry on the Internet. After providing a brief introduction to distance learning and how it affects the community college enrollment, we will move to the course and its content. The course will be presented as it is seen by distance learners; i.e., on the webct platform. Issues that go into preparing the lectures, discussions, and laboratories will be discussed. The audience will be further introduced to the degree of time required for preparation of the course materials and the time required to interact effectively with students. Finally, a breakdown of how students are performing in the course will be presented.

English 101 and Chemistry: It Works
Kristine M Young
Parkland College
Champaign, IL 61821

A novel collaboration at Parkland College between Professor of English Sally Foster Wallace and the chemistry faculty has yielded a unique, mutually beneficial, synergistic approach to teaching English composition within the context of science. During the fall semester of 1999, Professor Wallace instructed one section of English Composition (ENG 101) to students who were concurrently enrolled in one of four chemistry courses, either a majors, non-majors, or developmental chemistry course. Chemistry faculty suggested pertinent and timely topics from their chemistry courses as essay themes, and were responsible for grading chemistry content in student essays. Anecdotal as well as some limited qualitative measures indicate that students better understood and retained selected topics in chemistry due to their participation in this course. This workshop will discuss the collaboration, describe the execution, explore the outcomes, and preview the future of this English-Chemistry collaboration.

Chemistry Learning Outcomes: How to Assess Them
Dwaine Eubanks
Lucy T Eubanks
Clemson University
Clemson, SC 29634

Outcomes assessment seems to be very much on everyone’s mind as stakeholders in the education enterprise demand increasing attention to tailoring programs to maximize student achievement. On the one hand, it is hard to argue with the premise that we should guarantee the public, parents, and even students themselves that, when they leave our undergraduate institutions, they do have the education and skills implied by their diplomas. On the other hand, the task of objectively documenting the quality of educational programs and student outcomes is treacherous indeed. This workshop considers the essential elements in an effective outcomes assessment program and offers chemical educators guidance for responsibly addressing the issues.

Teacher as Grader, Teacher as Assessor: Changing Roles
Janice M. Denton
University of Cincinnati - Raymond Walters College
Cincinnati OH 45236

This session will focus on how faculty can make the transition from being classroom graders to being assessors of student learning, and how their institutions can help them make that change. For this presentation, “assessment” is the systematic collection of information about student learning and the use of that information to improve the learning and teaching process in the classroom and department.

Program Assessment for Instructional Effectiveness
Everett Wood
Vincennes University
Vincennes, IN 47591

Program assessment for instructional effectiveness includes the following components: program goals, objectives, evaluation systems, analysis of results, action plans and follow-up.

Classroom Assessment
Jay Bardole
Vincennes University
Vincennes, IN 47591

Classroom assessment helps teachers learn how students learn and respond to teaching approaches. It is student centered and teacher directed. This type of assessment is formative rather than summative in that it is not graded and is anonymous. It is beneficial to students because they must participate. It is beneficial to faculty because it helps them sharpen their teaching focus.
Thank you to all of the College Sponsors who contribute in so many ways to the successful programs of 2YC3. Many of these colleges have been supporting our efforts for over 30 years not only with membership but also by supporting their chemistry teachers in the activities of 2YC3.

College Sponsors

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Allegany Community College
Alvin Community College
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Black Hawk College
Blue Mountain Community College
Brazosport College
Broward Community College - North
Bucks County Community College
Burlington County College
Cape Fear Community College
Chandler-Gilbert Community College
Charles County Community College
Clackamas Community College
College of DuPage
College of Lake County
College of Southern Idaho
College of the Sequoias
Collin County Community College
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Community College of Philadelphia
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Highland Community College
Holy Cross College
Holyoke Community College
Houston Community College System
Hudson Valley Community College
Hutchinson Community College
Jackson Community College
Kansas City Kansas Comm. College
Kilgore College
Kingwood College
Lewis and Clark Community College
Linn-Benton Community College
Lorain County Community College
Mesa Community College
Miami-Dade Community College - South Campus
Mid-Plains Community College
Middle Georgia College
Minneapolis Technical & Community College
Monroe Community College
Montgomery College-TX
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Mt. Hood Community College
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Navarro College
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Normandale Community College
North Iowa Area Community College
North Lake College
North Seattle Community College
Northeast Texas Community College
Oakland Comm. College - Auburn Hills
Oakland Comm. College - Highland Lakes
Olympic College
Ozarks Technical & Community College
Paul Smith’s College
Portland Community College
Prince George’s Community College
Rock Valley College
Saddleback College
San Antonio College
San Jacinto College - Central
Sauk Valley College
Schoolcraft College
Seattle Central Community College
Shoreline Community College
Sinclair Community College
South Arkansas Community College
We look forward to welcoming our colleagues from around the nation on the eve of the San Diego meeting of the American Chemical Society. City College is within easy sight of the Convention Center, the temporary home of the ACS, and within minutes of the attractions that draw millions of visitors every year to "America’s Finest City".

You might stay at one of several small, reasonably priced hotels close to the college, walk or take convenient public transportation to our sessions, and still have ample time and opportunity to explore one of the country’s most beautiful and exciting settings. Within a mile or so to the south and west are the embarcadero of San Diego Harbor with its "Seaport Village", and ferry or high-arching bridge access to picturesque Coronado Island. To the north, very walkable at less than a mile away, are the exotic trees, gardens, museums, and world-renowned zoo of Balboa Park. In a spontaneous moment, you might hop aboard the light rail San Diego Trolley at the City College stop, bound for adventure in Mexico, a scant 15 miles south. And if you have a car...oh my! The weather, of course, is bound to be wonderful.

Our program themes and schedule are still under consideration at this writing, and will be detailed in the next "Chemistry Outlook". In the meantime, we invite you to start working up proposals for presentations, panels and workshops. You might wish to contact our program chair, Dr. Bettina Heinz from Palomar College: Phone (760) 744-1150, x2507, e-mail bheinz@palomar.edu. Our exhibits coordinator is Dr. Duane Gergens of Mesa College: Phone (858) 627-2605, e-mail dgergens@sdccd.net. The local arrangements chair is Dr. Herald Kane from City College: Phone (619) 230-2642, e-mail hkane@sdccd.net.
Vincennes University
Committee on Chemistry in the Two Year College
1002 North First Street
Vincennes, Indiana 47591-5201

Rick Bolesta, CHAIR
Jay Bardole, EDITOR
COMMITTEE ON CHEMISTRY
IN THE TWO-YEAR COLLEGE
Division of Chemical Education
American Chemical Society