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URL: http://2yc3.vinu.edu/or

http://jbardole.vinu.edu/ Jay Bardole, WebMaster

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## TABLE OF CONTENTS Vol. 2000-IV

Conference Calendar and Announcements	2
Notes from the Chair	3
154th Conference Program	4
Travel Information	6
154 <sup>th</sup> Conference Pre-Registration	7
154 <sup>th</sup> Conference Map	8
Paper Abstracts for 154 <sup>th</sup> meeting	9
	0
Preliminary Program for 155 <sup>th</sup> Conference	1
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## **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 Arrangemnts Chair: Jay Bardole

Vincennes University

e-mail jbardole@Indian.vinu.edu

Phone: 812-888-4372

**Exhibits Coordinators:** 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@sdccd.cc.ca.us

## 156th Conference (Southern)

Late Spring or Summer, 2001

Information Pending

## 157th Conference (Midwestern)

September 14-15 2001 Anoka-Ramsey Community

College

11200 Mississippi Blvd., NW

Coon Rapids, MN 55433

Program Chair: Lance S. Lund

Phone: (763) 422-3483 e-mail: llund@an.cc.mn.us

FAX: (763)422-3341

Local Arrangements: Patty Pieper

Phone: (763) 422-3481

e-mail: ppieper@an.cc.mn.us

FAX: (763)422-3341

## 158th Conference (Western)

November 2-3 2001 Community College of Southern

Nevada

West Charleston Campus 6375 West Charleston Blvd. Las Vegas, NV 89102-1124

Contact Karn Zarrabi

e-mail: zarrabi@nevada.edu

## 159th Conference (Southern)

National ACS meeting, Orlando, FL April 5-6 2002

2YC<sub>3</sub> meeting site pending

## 160th Conference (Western)

17th Biennial Conference July 30-August 3, 2002

Western Washington University

Bellingham, WA

**Program Chair:** Clarita Bhat

e-mail cbhat@ctc.edu

## 2YC<sub>3</sub>/Division of Chemical Education Joint Membership Form

This is a special offer only for 2YC<sub>3</sub> members who are not already members of the Division of Chemical Education. The separate dues for 2YC<sub>3</sub> 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 2YC<sub>3</sub> for only \$25.00, a savings of \$5.00.

Renew my 2YC <sub>3</sub> membership I wish to join	an Affiliat	c(ACS Members only) e (non ACS Members)  mbership privileges except votin	ng 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		<del></del>
Send 2YC <sub>3</sub> Newsletter and CHED Newsletter to 1 Send ACS Member Form Yes No			
2YC <sub>3</sub> Membership Information: Are you aTwo-Year College Teacher?	Four-Year College Teacher?		
High School Teacher?	_Other		

Please send your check, payable to 2YC<sub>3</sub>, for \$15 (2YC<sub>3</sub>only or \$25 (joint membership) to: Dolores C. Aquino, San Jacinto College Central, 8060 Spencer Highway, Pasadena, TX 77501-2007

## NOTES FROM THE CHAIR Rick Bolesta Mount Hood Community College Gresham, OR 97030 (503) 491-7361

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<sub>3</sub>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<sub>3</sub>. 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<sub>3</sub> 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 horde 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<sub>3</sub> "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 2YC3 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<sub>3</sub> 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 2YC<sub>3</sub>.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.

## 154th TWO-YEAR COLLEGE CHEMISTRY CONFERENCE

# "Pedagogy and Practice in Chemical Education" Vincennes University

Program Chair: **Tom Gruber** 

Local Arrangements: Karen Buescher, LeRoy Breimeier, Mike Knoll, Darrell Clinton and Jay Bardole

Exhibits: Trudie Wagner

## 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 Efrfectiveness of Active Learning by Students Viewing Digitally-Animated Videos of Chemistry Lab Experiments <b>LRC 167</b> Gary Wulfsberg, Middle Tennessee State University, <a href="mailto:wulfsberg@mtsu.edu">wulfsberg@mtsu.edu</a>		
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, <a href="mailto:chimejoe@niacc.cc.ia.us">chimejoe@niacc.cc.ia.us</a>		

## 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, <a href="mailto:jbardole@indian.vinu.edu">jbardole@indian.vinu.edu</a> Refreshment Break - Exhibits Area 10:30 - 10:45 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<sub>3</sub>

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 (about 1/2 mile) then right on College Avenue and then two blocks to Fourth Street. Turn left onto Fourth Street and then left into the parking lot marked for 2YC<sub>3</sub> 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<sub>3</sub> 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 <a href="mailto:Jbardole@indian.vinu.edu">Jbardole@indian.vinu.edu</a> and we will try to help as many of you as we can.

## Lodging

		Thursday	Friday/Saturday
Super 8 Motel	1 Person 1 king	\$38.59	\$42.19
Hart Street and Highway 41	2 Person 1 king	\$42.19	\$43.99
Vincennes, Indiana 47591	2 Person 2 beds	\$45.79	\$47.59
812-882-5101 or 800-800-8000			
Includes continental breakfast.			
Comfort Suites	1 Person, 1 king	\$59.99	
2555 Hart Street	2 Persons 1 king	\$69.99	
Vincennes, IN 47591	2 Persons 2 queen	s \$69.99	
812-882-2244 or 1-800-517-4000			
Includes Continental Breakfast.			

**Executive Inn** 

US 41 and Sixth Street 1 or 2 persons two double beds or a mini suite \$43.00

Vincennes, Indiana 47591

800-457-9154 and request booking code "CHEM" for price.

Includes Continental Breakfast.

Holiday Inn	1 person 1 double bed	\$49.00
US 41 and Sixth Street	2 persons 1 double bed	\$54.00
Vincennes, Indiana 47591	1 person 1 king	\$59.00
1-800-Holiday	2 persons 2 double beds	\$64.00

All prices are quoted without tax.

We will furnish transportation from these motels to and from the Conference site as it is needed.

# 2YC<sub>3</sub>

## 154<sup>RD</sup> 2YC3 Conference (Central Region) Pre-Registration Vincennes University <u>Vincennes, IN 47591</u>

## November 10<sup>th</sup> & 11<sup>th</sup>, 2000

Learning in Groups (limit 30)

140VCHIDEI 10 & 11 , 2000			
Name			
Institution			
Address			
City	State _		Zip
Phone () Fax ()	E-	mail	
Year 2000 memberships (check all that apply) □ 2YC3 □ A	.CS 🗆 Di	vCHED	
Are you a □ 2-year College Teacher □ 4-year College Teacher	eacher	High Scho	ool Teacher
Conference Fees:			
2YC <sub>3</sub> Membership if not already a member (Note 1) Conference Registration (Note 2) Friday Evening Banquet (Note 3) Friday Lunch (Note 4) Saturday Lunch (Note 4) Total (Note 5)	\$15.00 \$15.00 \$16.00 \$ 4.00 \$ 4.00	\$ \$ \$	
Notes			
<ol> <li>Fee includes year balance of 2000 and 2001 membership No registration fee is required for 2YC<sub>3</sub> members who have</li> <li>No registration fee is necessary for high school teachers or h</li> <li>Banquet payments must be received by November 7, 2000. Breasts and Smothered Sirloin Steak and all the fixings to g</li> <li>This will be in College cafeteria. Food is good and there is ahead of time or pay as you go in. There is also a wide varies.</li> <li>Make checks payable to Vincennes University/2YC<sub>3</sub> and mail</li> </ol>	e already painigh school and Dinner will owith them. a wide varied to fast for the street of	d their yea and college be a Buffet ety. All you ood places o	r 2000 dues. students. including Pineapple Ginger Chicker can eat. You can purchase ticket on Sixth Street and on Hart Street.
<b>Workshop registration:</b> There is no charge for these workshop <i>Friday</i>	s, but registr	ation will b	be on a first come basis.
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			

# **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**

I 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.

## **College Sponsors**

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 year not only with membership but also by supporting their chemistry teachers in the activities of 2YC3.

College

Aims Community College Allegany Community College Alvin Community College

Amarillo College

Anne Arundel Community College Athens Area Technical Institute Baltimore City Community College

Bergen Community College Bismark State College Black Hawk College

Blue Mountain Community College

**Brazosport College** 

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College of Lake County
College of Southern Idaho
College of the Sequoias

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Colorado Northwestern Community College Community College of Beaver County Community College of Philadelphia Community College of Rhode Island

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Cuesta College

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South Arkansas Community College

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# 155th 2YC3 Conference Hosted by San Diego City College San Diego, California Friday and Saturday, March 30 and 31, 2001

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 <a href="mailto:bheinz@palomar.edu">bheinz@palomar.edu</a>. 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

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