

Chemistry Outlook

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



Michaeleen Lee, 2007 Chair

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Notes From The Chair

Michaeleen Lee
Bucks Community College
Newtown, PA

July 15th! I almost forgot! The deadline came and has almost gone! I sure am glad that I did not pursue journalism for my career. Though I suppose that if I had, these deadlines would be routine. And we all have deadlines of one sort or another every day.

My house has been a flurry of furriness for the past week! Those of you who are cat people will understand what I mean. While I was on my trip to the Southwest, my last furry friend passed away peacefully in the arms of my cat sitter who has made my travels possible for all of the past 25 years and seven cats. The seven began as one in 1982, but by adopting that gray kitty we left behind his fluffy black brother. Gray kitty was very lonesome that first night so the next day one became two. Those two brothers had a very calm life for the next five years and then came kitty number three. She was orange and gray kitty was not at all happy with her arrival. Fluffy kitty was not bothered by anything. Well, when we took orange kitty to the vet, we were saying that she needed a playmate since the oldsters did not fill that role. We left that day with two kitties. Kitty number four was white with a smudge. Then in 1990, a family of “wild things” from outside the science building became mine and my “family” grew to seven. They all had full and long lives until the mother of the “wild things” left me this June. Granddaughter began her life with seven kitties but she knew none as kittens and thus begins the tale of the flurry of furriness.

Granddaughter spends her summers here and requested, quite reasonably, that we begin anew with two kittens that she could claim as hers. So Monday evening of this past week we brought home Gypsy and Belle from the local Pet Smart. There was just one little blip in this peaceful scene. While I was away, I had a phone call from my vet of 25 years telling me they had just taken in three cats whose owner could no longer care for them and they were sure that I would make a good home for at least two of them (the third has a heart condition and requires medication three times a day so they knew I could not adopt that one). I called and carefully explained that I had promised granddaughter two kittens. They understood. But, somehow, when we took Belle and Gypsy for their vet visit on Saturday, we came home with Gemini and Riley as well! So my saga of furry friends begins anew.

continued on page 2



2007 - 2008 Academic Year

178th CONFERENCE (Eastern)

September 28-29, 2007, Bergen Community College
Paramus, NJ

Contact: Frank Ramdayal
Phone: 201- 493 -3671
Email: framdayal@bergen.edu

179th CONFERENCE (Southern)

November 2-3, 2007, Durham Technical Community College
Durham, NC

Contact: Mark Matthews
Phone: 919-686-3773
Email: matthewsm@durhamtech.edu

180th CONFERENCE (Southern)

April 4-5, 2008, Baton Rouge Community College
Baton Rouge, LA

Contact: Karen Stephens
Phone: 225-216-6827
Email: stephensk@mybr.cc

181st CONFERENCE/20th BCCE

July 27-31, 2008, Indiana University
Bloomington, IN

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

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

What does this have to do with teaching? One could say nothing, or everything. The first night with Gemini and Riley was so terrible that I was ready to return them and say it just wouldn't work. I was not up to integrating the two sedate cats (not terribly old themselves at three and one and a half years) with the two frisky kittens. I was sure the growling and hissing from the older cats would never stop. But, we decided to give them a chance to settle in to their new routine and, indeed, things are going much better today. I think the household will be peaceful, though lively, soon.

It seems to me that my kitty saga bears a resemblance to our

sojourns in the classroom. Each of my kitties has a unique personality that my granddaughter and I need to nurture. Each is special in its own way. Each has been given a second chance to grow and mature in an accepting environment. Our two-year colleges serve an equally diverse population and many of our students come to us for a second chance to succeed. Each semester we begin anew with a different group of students, each student with his or her unique way of learning. Many times, it is not easy to see their potential on the first day, or even for the first weeks of the semester, but we do not give up. We nurture our students throughout their tenure with us and then glow with pride as they graduate to the next step. Let us continue to do our best and try to make a difference, no matter how small, in the lives of our students.

Before I close, I want to say thank you to everyone who has helped me during my year as chair. Though I write this in July and there are still five months to go before I complete my term, I can say with certainty that I could not have done it without all of you. Thank you to all the members of the executive committee. Thank you to everyone who worked to make the three conferences so successful. And thank you to all of you who entrusted the year to me and have read these “Notes from the Chair”. I hope to see you at many more meetings in the future.

**182nd 2YC₃
Riviera Hotel
Las Vegas, Nevada
September 26-27, 2008**

Conference Theme:

**Challenges and Benefits of Undergraduate Research
in Two-year Colleges**

Call for Papers

The 182nd 2YC₃ will be held in Las Vegas, NV as part of the ACS' 43rd Western Regional Meeting, 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).

Contacts:

Program Co-Chairs: Onofrio Gaglione & Kaveh Zarrabi,
Comm. College of Southern Nevada

Arrangements Chair: Onofrio Gaglione

Meeting Site: The Riviera Hotel, 2901 Las Vegas Blvd., So.,
Las Vegas, NV 89109

Requests for paper and poster presentations and general inquiries should be sent to O. Gaglione via email at oggag@aol.com.

2007 COCTYC AND SUPPORT STAFF
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American Chemical Society
2007 Roster of Committee Members

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Home: (817) 485-7833

2YC₃ World Wide Web Page: <http://2yc3.org>, Lance Lund
(Lance.Lund@anokaramsey.edu) WebMaster

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 _____ Four-Year College Teacher
_____ High School 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:

Patty Pieper, Anoka-Ramsey Community College, 11200 Mississippi Blvd NW, Coon Rapids, MN 55433-3470.

**179th 2YC₃ Conference (Southern)
“Technology and Chemical Education”**

**Durham Technical Community College
1637 Lawson Street
Durham, NC 27703**

November 2-3, 2007

Conference Program

For [registration](#), [lodging information](#), [travel directions](#) and the [latest information on the conference program](#), visit the conference website: www.durhamtech.edu/2yc3.htm.

Program Chair: Dr. Mark Matthews **Email:** matthewsm@durhamtech.edu; **Tel:** 919-686-3773
Local Arrangements: Dr. Tony Warren **Email:** warrent@durhamtech.edu; **Tel:** 919-686-3578
Exhibits Coordinator: Dr. DeeDee Allen **Email:** daallen@waketech.edu; **Tel:** 919-866-5585

Friday, November 2

8:00 – 4:30 **Exhibits**

8:00 – 9:00 **Registration and Breakfast**

9:00 – 9:15 **Welcome and Opening Remarks**

9:15 – 10:15 **Keynote Address: Teaching with Technology: Implementing a Mobile Learning Environment;** [Dr. James Reeves, Chair of the Department of Chemistry and Biochemistry, University of North Carolina Wilmington, Wilmington, NC.](#)

Technology offers great promise to revolutionize chemistry learning, but few of the technological innovations developed over the last twenty years have had any real impact on teaching, especially in the classroom. With the advent of the Tablet PC, however, this trend may be changing. This presentation will explore the factors that produced the current situation and discuss the possibilities and implications of a Tablet PC based Mobile Learning Environment.

10:15 – 10:35 **Refreshments and Exhibits**

10:45 – 11:30 **2YC₃ General Meeting**

Session I - Presentations

11:45 – 12:30 **Addressing the Gap Between Learning Goals and Learning Outcomes in Organic Chemistry;** [Dr. Joel M. Karty, Associate Professor, Elon University, Elon, NC;](#) [Stephen R. Pruet, Associate Professor, Jefferson Community and Technical College, Louisville, KY](#)

In this session, we will identify factors that may lead to a gap between learning goals and learning outcomes in a year-long organic chemistry course. Specifically, we will focus on this question: Does the traditional organization of material in organic chemistry textbooks contribute to students' tendencies to memorize and their lack of understanding of reactivity and reaction mechanisms?

We will then present a new organic chemistry curriculum designed to help our students better achieve the learning goals we set out. It is a “concepts first” approach, in which students review fundamental principles of structure and stability before they encounter mechanisms and reactions. Students then examine common elementary steps; they learn each step's curved arrow notation, driving force, stereochemistry and regiochemistry. Finally, students learn that 1) complex reaction mechanisms are comprised of the common elementary steps they have previously learned, and 2) seemingly unrelated reactions can in fact be very closely related through their mechanisms.

12:30 – 1:30 **Lunch and Exhibits**

Session II – Workshops

1:45 – 4:30 **Prentice Hall Mastering Chemistry™ – Make Learning Part of the Grade.**

Session III – Presentations

1:45 – 2:30 **Technology in Chemical Education Research: From Technology in the Classroom to Nanotechnology in the Lab;** Dr. Maria T. Oliver-Hoyo, Associate Professor of Chemistry, North Carolina State University, Raleigh, NC.

Chemical Education Research (CER) aims at elucidating what strengthens the teaching process and catalyzes learning. A wide variety of technological tools have been used in chemistry education for a number of decades, however, their impact on learning has not necessarily been shown. This talk will present different examples of technology use including technology for classroom management, promotion of student learning, and exposure to advances in chemical research.

2:45 – 3:30 **Title TBA,** Kevin Conely, Program Coordinator, Nanotechnology, Forsyth Technical Community College, Winston-Salem, NC.

3:45 – 4:30 **Using Computers to Engage Students in Science: Some Things We Can Learn From Light and Color;** Dr. John R. Amend, Professor Emeritus, Montana State University, Bozeman, MT.

Laboratory time is the most expensive time in education. We will demonstrate new computer-based tools and software strategies that reallocate a student's lab time to build solid understanding of chemical principles and to engage them in the process of discovery. Demonstrations will include MicroLab's unique sixteen-wavelength FASTspec™ scanning spectrophotometer to make simultaneous measurements of transmission, absorbance, scatter, and fluorescence in the 360-940 nm range.

6:30 – 8:30 **Social and Banquet – Radisson Hotel, Research Triangle Park**

Saturday, November 3

8:00 – 1:00 **Registration and Exhibits**

8:00 – 9:00 **Breakfast**

Session IV – Workshop

9:00 – 12:00 **TBA**

Session V – Presentations

9:00 – 9:45 **Undergraduate Chemistry Research at a 2-Year Liberal Arts College Program: The Bioavailability of Iron, Manganese and Zinc in Micronutrient Beverages;** Dr. Peter R. Pascucci and Jessica Rash, University of Delaware, Georgetown, DE

10:00 – 10:45 **Elementary Classroom Visits - a General Chemistry Laboratory Project,** Lance S. Lund, Professor, Anoka-Ramsey Community College, Coon Rapids, MN

Students taking the Principles of Chemistry II course on the Coon Rapids Campus of Anoka-Ramsey Community College participate in classroom visits at nearby elementary schools to perform chemistry demonstrations and hands-on activities as a part of the laboratory portion of the course. Information will be presented that explains how the elementary classroom visit program evolved, the types of activities that are conducted, the objectives of the visits, and the preparation and visit timeline. Some of the activities utilized by students in their visits will also be demonstrated.

10:45 – 11:00 **Refreshments and Exhibits**

Session VI – Roundtable Discussion

11:00 – 11:55 **The General and Organic Sequence – Is It Time For A Change?** Dr. Garnett Whitehurst, Instructor, Pamlico Community College, New Bern, NC.

OR

Technology and Chemical Education – What Are You Doing? Dr. Mark Matthews, Instructor, Durham Technical Community College, Durham, NC.

12:00 – 1:00 **Lunch**

Session VII – Workshops

1:00 – 4:00 **Hands-On Experiments with MicroLab: Concepts We Can Learn With High Resolution Measurements and MicroLab's FASTspec 16-Wavelength Scanning Spectrophotometer;** Dr. John Amend, President, Microlab, Inc., Bozeman, MT

Hands-On Experiments with MicroLab: Calibrating sensors; Freezing points and fractional distillation; Real-time acid-base titrations: end points, derivatives, and pKa; and Color, Beer's Law, and Fluorescence with MicroLab's *FASTspec* 16-wavelength scanning spectrophotometer.

Session VIII - Presentations

1:00 – 1:45 **Want to POGIL?; A Look at Process Oriented Guided Inquiry Learning;** Tracy Miller Cheatham, Instructor, Central Carolina Community College, Sanford, NC; Fred Yost, Instructor, Carteret Community College, Morehead City, NC.

POGIL is process oriented guided inquiry learning. It is a way of making students active participants in learning environments. POGIL helps teach content as well as process skills. It involves collaborative groups as well as materials that are designed to lead a learner to a valid conclusion. Emphasis is placed on teamwork as well as knowledge retention.

2:00 – 2:45 **The Quest for an Effective Hybrid Introductory Chemistry Course;** Dr. Margaret (Peggy) Geiger, Instructor, Gaston College, Dallas, NC

Initial offerings of hybrid introductory chemistry were offered with seated labs (face to face) and online lectures. A high student withdrawal rate was consistent with students expressing a high degree of frustration with the online lecture. Final exam grades were lower than those in prior seated course sections. The hybrid introductory chemistry course (the first semester of the two semester General, Organic, and Biochemistry sequence) was revised in spring 2006 to include both hybrid lecture and hybrid lab. The online portion of the lab used Late Nite Labs chemistry lab simulation software. The revised format resulted in increased student retention, but had little effect on final exam grades. Student opinion of the revised course format and the Late Nite Labs software is generally favorable

3:00 – 3:45 **Sage on the Stage or Monkey in the Middle. How to Go From Lecturing to Your Class to Learning With Them;** Miller Cheatham, Instructor, Central Carolina Community College, Sanford, NC

Active learning is an umbrella term that can encompass many different types of activities. All involve active student participation. The current trend is toward a student-centered learning environment as opposed to an instructor-centered environment. Sharing and discovering some active learning strategies can change your classroom from a lecture based environment to one where students are actively involved. It also can be a powerful tool for immediate feedback.

4:00 – 4:30 **Conference Closing**

REGISTRATION

Registration for the conference is by mail-in form. To fill out/print an on-line form, go to: www.durhamtech.edu/2yc3.htm. A form will be generated that you may print out and submit with your payment. Please note that your registration is not complete until your payment is received.

LODGING

Radisson Hotel Research Triangle Park, 150 Park Dr. Research Triangle Park, NC 27709
Conference Rate: \$89 + tax Phone: 888-333-3333 and request the 2YC₃ conference rate.
Individual reservation must be canceled 72 hours prior to arrival.
For more information and directions go to: <http://www.radisson.com/researchtrianglenc>

ABOUT DURHAM TECHNICAL COMMUNITY COLLEGE

Durham Technical Community College is a charter member of the North Carolina Community College System. When the North Carolina General Assembly authorized a small appropriation to establish a limited number of area schools to be known as industrial education centers in 1957, Durham already had a vigorous program in adult education through the Vocational and Adult Education Department of the Durham City Schools. A Practical Nursing program had been established in 1948; other programs included training in mechanical drafting, architectural drafting, and electronics technology. In addition, literacy skills training was offered for adults. Courses to upgrade the skills of workers were also offered in a variety of trades.

In a successful referendum in June 1958, Durham County residents made \$500,000 available to purchase a site and erect the initial building. The Durham Industrial Education Center officially opened its doors on September 5, 1961. The institution continued to operate as an Industrial Education Center until February 4, 1965, when the State Board of Education officially designated that henceforth it be properly identified as a technical institute. On March 30, 1965, the Board of Trustees authorized changing the name of the institution to Durham Technical Institute. On July 15, 1986, the North Carolina General Assembly approved Durham Tech's request to add a university transfer program to its curriculum offerings. During a meeting on July 22, 1986, the Board of Trustees authorized the institution to change its name to Durham Technical Community College.

For directions to the college, please visit: www.durhamtech.edu/html/aboutdt/directions.htm

180th 2YC₃ Conference (Southern)
“Building a Foundation for Research: Preparing Students for Global Challenges”
Baton Rouge Community College (BRCC)
April 4-5, 2008

Preliminary Information/Call for Presenters

The BRCC Math and Sciences Division is requesting presentations (paper, poster, workshop, roundtable discussion) for the upcoming Southern Region 2YC₃ Conference. While the conference focus is in the area of building foundations for research, presentations in other areas are strongly encouraged to facilitate a broad and diverse program. Contributed presentations are welcome in all areas of chemistry and technology and distance education, chemical education and pedagogy, green chemistry and innovations in science education, research and training.

Abstracts (200-300 words) can be submitted to the program chair(s) at the e-mail addresses listed at the bottom of the page. Abstracts should be submitted electronically in Times Roman (or similar) 10 point type no later than October 31, 2007. Accepted presenters will be notified by November 30, 2007.

Conference special events will include: an opening evening mixer, special workshops and sessions targeted for undergraduate and secondary chemistry and science educators, roundtables and panel discussions on research and chemical education, exciting plenary sessions and a banquet featuring recognized key-note speakers, tours and exhibitions of scientific equipment, products, resources and services.

Contact Information

Program Chairs

Karen Stephens Rory Rice, Ph.D.
Phone: (225) 216-6925 Phone: (225) 216-8269
stephensk@mybr.cc ricer@mybr.cc

Exhibits Chair

Otto Goins
Phone: (225) 216-8261
goinso@mybr.cc

Arrangements Chair

Sherry Gibson
Phone: (225) 216-6800
gibsons@mybr.cc

Preliminary Program

Supporting our Customers: The Student

- Student Inspired Research
- Creating Rigorous and Engaging Student Centered Learning Experiences

Creating the Right Environment for Research

- Creating an Institutional Research Culture
- Barriers to Research at Community Colleges
- Using Undergraduate Research as a Tool for Recruiting and Retaining Students in Chemistry
- Role of Research in the Undergraduate Curriculum/Integration of Research in the Chemistry Curriculum
- Finding the Right Balance Between Research and Teaching
- Retooling the Faculty for Research
- Integrating research, education and mentoring

Preparing the Student for Higher Education

- Pre-college Chemistry Programs
- Empowering Student Learning
- Preparing Future Chemical and Science Educators
- Impact of Research Programs on Recruitment and Retention
- Technical and Non Technical Skill Building

Technology in the Classroom

- Educational Technology and Chemical Instruction (wireless response systems, visualizations, conceptualizations and simulations)

Supporting our Customers: Industry

- Training Today's Chemical Workforce

Seeking the Holy Grail: Grants

- Building Research Capabilities: Show Me the Money

Partnerships

- Building Consortia and Partnerships to Facilitate Research

Tours

- Visit to the CAMD and Dow Chemicals

Fun

- Glass Blowing Demonstration and Class

Works in Progress

- Student Paper/Poster Presentations

Round Tables and Special Interests

- The Role of Globalization in Technology Based Programs
- “The Storm: Hurricane Katrina Inspired Research”
- Round Table: How Do We Inspire Students to Consider Research as a Career?
- The Role and Value of Diversity in Chemical Sciences
- Novel Undergraduate Research Programs: Timbuktu Academy, REU, HHMI, LAMP, EPSCOR,
- ATE Programs (Advanced Technology Education-Environmental Engineering and Technology @ BRCC)
- Problem Based Learning (PBL)
- Global Learning Observation to Benefit the Environment (GLOBE)
- MERLOT
- The Lab Works System
- Grant Writing
- Process Technology Consortium
- Environmental Research Programs (CEES, LSU Center for Env. Studies)
- Science Education Assessment
- Biomedical Research Programs (Pennington Research Center)/ Nanotechnology (CAMD Representative)

181st 2YC₃ Conference
20th Biennial Conference on Chemical Education
Indiana University, Bloomington, Indiana
July 27 – 31, 2008

The Biennial Conferences on Chemical Education (BCCEs), which are sponsored by the ACS Division of Chemical Education, are the largest gathering of chemical educators in the world and is designed for middle school science teachers, secondary school chemistry teachers, and college chemistry instructors. This conference emphasizes the improvement of chemistry education at all levels, the modern developments in chemistry and chemical education, and is highly respected in the chemical education community.

The organizers of the 20th Biennial Conference on Chemical Education (**Steven Wietstock** is the general chair) invite you to join us on the beautiful Indiana University campus from July 27-31, 2008. We are planning an exciting conference with ample time to relax, to network with your colleagues, and to explore the richness of the campus and surrounding community.

Plenary sessions will be convened in the recently renovated IU Auditorium on the Arts Plaza. Plenary speakers currently confirmed for the conference include:

- *Vahid Majidi, Assistant Director for the Weapons of Mass Destruction, Federal Bureau of Investigation
- *Eileen Lewis, Program Director in the Division of Undergraduate Education (DUE) at the National Science Foundation
- *Julie Gess-Newsome, J. Lawrence Walkup Distinguished Professor of Science Education, Director of the Center for Science Teaching and Learning, Northern Arizona University
- * Madeleine Jacobs, ACS Executive Director & CEO
- * Katherine Hunt, 2007 ACS President

Housing will be available in several of our newly renovated residence halls and will range in price from \$33-46/night depending on type of accommodations requested. In addition, blocks of rooms are available at the Indiana Memorial Union and other local hotels. Housing reservations will be accepted through the registration pages beginning in February 2008.

Conference Deadlines

Symposia proposals are due by November 2, 2007

Proposals for symposia and workshops are being accepted through the 20th BCCE website at <http://bcce2008.indiana.edu>. 2YC₃ program co-chairs Amy Jo Sanders, Tom Higgins, and Susan Shih have suggested the following possible symposia as part of the 2YC₃ program, but are still looking for programming ideas of interest to 2YC₃ members:

- *Building and Renovating Your Science Buildings*
- *Chemistry Research for Freshman and Community College Students*
- *Prosperous Relationships: Grants and Collaborations Between 2 Year and 4 Year Institutions*
- *Technology in the Classroom*
- *Student Retention*
- *Chemistry Online*
- *Chemistry Research for Freshman and Community College Students*
- *Chemistry Technician Program*
- *Issues Facing Community Colleges*

Submit your symposia proposals on-line by **November 2, 2007**. Contact the program chairs at BCCE2008@indiana.edu with your questions, suggestions or ideas.

Workshop proposals are due by December 15, 2007

As the BCCEs are times for education and sharing, the BCCEs have historically offered a number of hands-on workshops relating to chemical education – laboratory, computer applications, chemical education research, etc. This tradition will be continued at the 20th BCCE at IU. Guidelines for workshop proposals are available on the 20th BCCE website. Questions about workshops can be directed to **Lori Watson**, workshop chair, at BCCE2008@indiana.edu.

Abstracts for posters and presentations are due by February, 15 2008

Abstracts for the meeting will be accepted beginning on November 15, 2007 at the BCCE website. Abstracts can be edited any time during this period at the abstract submission site.

Join us in July 2008

Visit and bookmark the 20th BCCE website for specific information about the conference. This site will be continuously updated with information pertaining to the technical program, registration, housing, and social events as we approach July 27th, 2008. If you are still wondering what a Hoosier is, then we invite you to come to the 20th BCCE at IU and see them up close! Any questions, program ideas, or general suggestions for any of the BCCE program chairs can be sent to the BCCE email address, BCCE2008@indiana.edu.

Thank You 2YC₃ College Sponsors for 2007

Thank you to all of the College Sponsors who contribute in so many ways to the successful programs in 2YC₃. Many of these colleges have been supporting our efforts for over 30 years, not only with membership, but by supporting their faculty as they participate in 2YC₃ activities. Don't see your college on the list? Contact Kelly Befus (KellyBefus@anokaramsey.edu), College Sponsors Chair, for information on how your school can become a college sponsor.

College	ST	College	ST	College	ST
Allegany College of Maryland	MD	Cuyahoga Community College West	OH	Mohawk Valley Community College	NY
Amarillo College	TX	Durham Technical College	NC	Monroe Community College	NY
Anne Arundel Community College	MD	El Camino College	CA	Montgomery College	TX
Anoka-Ramsey Community College	MN	Erie Community College North	NY	Mt. Hood Community College	OR
Atlantic Cape Community College	NJ	Essex County College	NJ	Nassau Community College	NY
Bellevue Community College	WA	Gainesville State College	GA	Normandale Community College	MN
Bismarck State College	ND	Garden City Community College	KS	North Harris College	TX
Black Hawk College	IL	Gloucester County College	NJ	North Iowa Area Community College	IA
Blackfeet Community College	MT	Grand Rapids Community College	MI	North Seattle Community College	WA
Blinn College	TX	Harford Community College	MD	Northeast Texas Community College	TX
Brazosport College	TX	Harper College	IL	Ozarks Technical & Community College	MO
Bucks County Community College	PA	Hinds Community College	MS	San Antonio College	TX
Burlington County College	NJ	Holyoke Community College	MA	San Jacinto College Central	TX
Central Oregon Community College	OR	Hudson Valley Community College	NY	Sierra College	CA
Clark State Community College	OH	Hutchinson Community College	KS	South Arkansas Community College	AR
College of Dupage	IL	Kansas City Kansas Community College	KS	South Suburban College	IL
College of Eastern Utah	UT	Kilgore College	TX	Southwestern College	CA
College of Lake County	IL	Kingwood College	TX	St. Louis Community College - Florissant Valley	MO
College of Southern Maryland	MD	Kirkwood Community College	IA	Stark State College of Technology	OH
College of the Mainland	TX	Lewis & Clark Community College	IL	Tarrant County College-NE	TX
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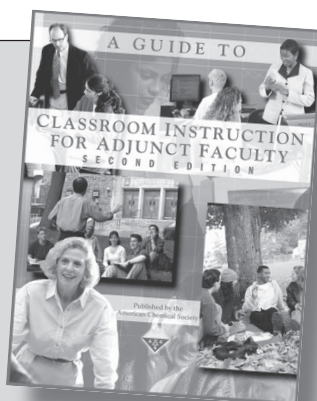
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NOTICE!
Opportunities to Serve on the 2YC₃ COCTYC Board
Nominations Due October 1, 2007

Call for applications for the office of
Chair-Elect
of 2YC₃ for the year 2009

Application for Chair-Elect for 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
 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 October 1, 2007.

-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 12/31/2007.

Call for applications for the office of
Membership Chair
of 2YC₃ beginning in 2008

Application for Membership Chair beginning 2008 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 October 1, 2007.

-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 12/31/2007.

-The results of the election will be reported in the first possible newsletter.

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Attention 2-Year Chemistry Faculty- Funding Opportunity Available!

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 that you are working on; you can't fund a trip to a conference, but funding support for travel to workshops, etc. are eligible. 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 applicant's 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**.

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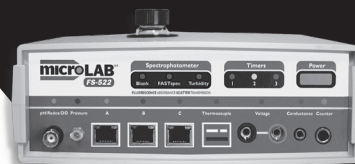
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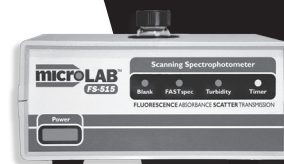
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