

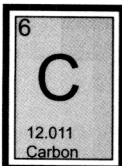
170th 2YC₃ Conference
“Chemistry and Other Fields”

March 11-12, 2005

Palomar College

1140 W. Mission Road, San Marcos, California 92069

<http://daphne.palomar.edu/bheinz>



Conference Program

Program Chair: Bettina Heinz, Palomar College, San Marcos, California

Phone: 760-744-1150 (x2507) / 760-738-0167 / Fax: 760-744-8123

Email: bheinz@palomar.edu or bettina_Heinz@yahoo.com

Exhibits and Local Arrangements: Bettina Heinz, Jennifer Zabzdyr, and Patricia Brandon, Palomar College, San Marcos, California

Phone: 760-744-1150 (x2543) / Fax: 760-744-8123

email: jzabzdyr@palomar.edu email: pbrandon@palomar.edu

Thursday, March 10

6:00 - 9:00 PM *Social Mixer and Cocktail Hour at InterArt Gallery, 218 E. Grand Avenue, Suite #6, Escondido, CA 92025 (optional)*

Friday, March 11

8:00 – 9:30 Registration and Continental Breakfast

8:00 – 5:00 Exhibits

9:30 – 9:45 Welcome and Opening Remarks

9:45 – 10:45 Keynote Address
Preston MacDougall, Middle Tennessee State University, Murfreesboro, Tennessee, *The State of the Art in Theoretical Chemistry*

10:45 – 11:00 Morning Break – Exhibits and Snacks

11:00 – 11:30 Matthew Johil, Illinois Valley Community College, Oglesby, Illinois, *Forensic Chemistry in the Classroom: Capturing Student's Curiosity*

11:30 – 12:00 Linda A. Wilson, Middle Tennessee State University, Murfreesboro, Tennessee, *Teaching Chemistry in Forensic Science Courses for Criminal Justice Majors*

12:00 – 1:30 Lunch, Exhibits, 2YC₃ General Membership Meeting

1:30 – 2:30 Anthony “Rick” Cardoza, San Diego County Medical Examiners Office, Director of the California Dental Identification Team (CalDIT) and Consultant of the California Department of Justice, *Introduction to Forensic Dental Postmortem Identification with Special Focus on the 2003 Cedar Fire Victims or “Death takes a Holiday”* (borrowed title of a Sacramento Forensic Conference, January 28, 2005)

2:30 – 2:45 Break, Exhibits

2:45 – 5:00 Concurrent Sessions

Session 1

2:45 - 4:45 Workshop Presentations

- (1) Harry Ungar, National Science Foundation
Introduction to Grant Opportunities at NSF (3 hrs)
- (2) to be announced (using Molecular Modeling Programs)
- (3) to be announced (proposals welcome)

Session 2

2:45 – 3:15 Carnegie-Mellon (Presenter to be announced)
New Developments on Virtual Labs

3:15 – 3:45 Carnegie-Mellon (Presenter to be announced)
Virtual Labs in Chemistry

3:45 – 4:00 Break, Exhibits

4:00 – 4:30 Jennifer Zabzdyr, Palomar College, San Marcos, California
Using Chemistry to Probe Single Cell Gene Expression

4:30 – 5:00 Steven C. Welch, California State University, San Marcos, California
Developments and Outlook for Graduate Chemical Studies in Southern California

6:00 – 6:45 Michael Mufson, Palomar College, Performing Arts Department, San Marcos, California, *The Dance of the Molecules* – A special theatre production in honor of the 170th 2YC3 Meeting

7:00 – 9:00 Banquet

Dinner Speaker: Preston MacDougall, Middle Tennessee State University, Tennessee, *China, Art, and Molecules*

Saturday, March 12

8:00 – 2:00 Registration and Exhibits

7:30 – 9:30 Continental Breakfast

8:00 – 9:00 Keynote Address
John E. Sasser, Midway College, Midway, Kentucky
Issues and Barriers to Interdisciplinary Work in Chemistry and Mathematics

9:00 – 9:30 Matthew Johil, Illinois Valley Community College, Ogleby, Illinois
Community College Chemistry Clubs: Challenges, Successes and ACS Recognition

9:30 – 9:45 Break – Exhibits, Refreshments

9:45 - 12:45 Concurrent Sessions

Session 1

9:45 – 12:45 Workshop Presentations
(1) Harry Ungar, National Science Foundation
Introduction to Grant Opportunities at NSF (3 hrs)
(2) to be announced (proposals welcome)
(3) to be announced (proposals welcome)

Session 2

10:45 – 11:15 Charles Apel, NASA, Ames Research Center, Moffett Field, CA 94035, *Prebiotic Self-Assembly*

11:15 – 11:45 Treasure J. Sucheck and David R. Brown, Southwestern College, Chula Vista, California, *Establishing a Program in Chemical Technology at Southwestern College*

11:45 – 12:15 Wenotiah Vercoutere, NASA Ames Research Center, Moffett Field, CA 94035, *Nanopore Analysis of DNA*

12:15 – 12:45 Linda A. Wilson, Middle Tennessee State University, Murfreesboro, Tennessee, *Are Summer Students Different from Fall Semester Students in Introductory General Chemistry?*

12:45 – 2:00 Lunch, Exhibits

2:00 – 2:30 David R. Brown and Treasure J. Sucheck, Southwestern College, Chula Vista, California, *Chemical Research Undertaken in a Community College Setting*

2:30 – 3:00 Carl Krochmal
A New Chemistry Field for Students: Homeland Security

3:00 – 3:15 Break, Exhibits

3:15 – 3:45 Bettina Heinz, Palomar College, San Marcos, California, *Algorithmic Arts: Converting Molecular Sequences into Mush*

3:45 – 4:15 Joseph Chimeno, College of Eastern Utah, Price, Utah, *A Novel and Effective Way to Teach Inorganic Chemical Nomenclature*

4:15 – 4:30 Closing Remarks

Saturday Evening – Division of Chemical Education Dinner. This is a dinner traditionally held prior to the start of the ACS meeting at a local restaurant. It is an ACS-sponsored “event.” Please check the ACS web site or C&E News for ticket information. ACS membership, DivCHED membership, and ACS meeting registration are NOT required.

Sunday, March 13

10:00 – 4:00 *Bus Tour to Julian and Palomar Mountain Observatory (optional)*

Conference PRE-REGISTRATION

170th TWO-YEAR COLLEGE CHEMISTRY CONFERENCE (2YC₃)

Palomar College, San Marcos, CA 92069

March 11 — 12, 2005

Name _____ Institution _____

Institution's Address _____

Phone Number: _____ Email: _____

Memberships: (Check all that apply) _____ 2YC₃ _____ ACS _____ DivCHED

I teach at a: _____ Two-Year College _____ Four-Year College _____ HS (No Membership Fee for High School Teachers.)

Conference Fees:

Registration (current 2YC ₃ members) @ \$20.00	\$ _____
Registration (includes 2YC ₃ membership) @ \$35.00	\$ _____
Friday Evening Banquet @ \$20.00	\$ _____
Friday Lunch @ \$7.00	\$ _____
Saturday Lunch @ \$7.00	\$ _____
Total	\$ _____

Meals:

Breakfast: Continental style at Faculty Lounge and/or Student Union Building/Caf

Lunch:

Excellent, extensive Asian Buffet nearby (15-20 min. walking, 3-5 min driving), 100 N Rancho Santa Fe Road, San Marcos, CA 92069, 760-599-6648 (fax 6617)
Palomar Campus Cafeteria Specials

Dinners:

Banquet: Gala Dinner at the Student Union Auditorium (Friday)
Division of Chemical Education, pre-ACS dinner (to be announced) (Sat.)
Wild Animal Park Dinner (Sat. alternative)

Please send your registration form and check to:

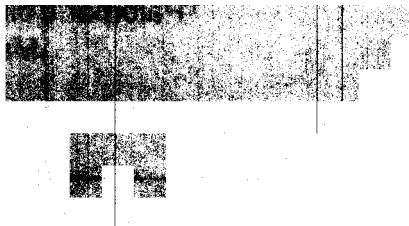
Dr. Bettina Heinz, 170th 2YC₃
Palomar College
1140 West Mission Ave
San Marcos, CA 92069

Palomar College / 2YC₃

AIRPORT, HOTEL, AND TRANSPORTATION INFORMATION
170th 2YC₃ Conference, Palomar College, San Marcos, California

Lodging:

- (1) **Hampton Inn San Marcos, Manager: James Chang;**
Palomar Conference Rate: \$75.00 + Tax/ night
123 E Carmel St. (Exit Twin Oaks from Interstate 78)
San Marcos, CA 92069
Tel.: 760-736-9249/Fax: 760-738-4872
- (2) **Ramada Limited Suites, Manager: Carl Lux**
Palomar Conference Rate: \$49.00 + Tax/ night
517 W. San Marcos Blvd. (Exit Twin Oaks from Interstate 78)
San Marcos, CA 92069
Tel: 760-471-2800



Both hotels are about 5 minutes from the Palomar San Marcos Campus. Taxicabs are very reasonable. Escondido: Escondido Yellow Cab : 760-745-7421, SanMarcos (Vista, Oceanside) Courtesy Cab: 760-599-4221 or Vista Yellow Cab: 760-722-4214

Airport:

San Diego Airport (Lindberg Field Airport)

North County Shuttles available (different Van Companies such as "Cloud 9" etc.) in front of Terminals (reasonable prices to Escondido and San Marcos (40-60\$/person, multi-passenger)

Driving Directions:

From South/East – Interstate 15 north to Interstate 78 junction at Escondido, direction West to San Marcos, en-route to Vista, Oceanside and Interstate 5, exit at Twin Oaks or Rancho Santa Fe Road, watch for signs to Palomar College, drive through main gate and park up front in main parking lot (free visitors parking after registering at campus gate)

Bus Lines: Express Bus 320 from Oceanside (Coaster Connection), West or from Escondido, East (Greyhound connection) to Palomar College Transit Center.



168th Conference in Leavenworth, WA

(l to r) Carol Handy, Kathy Carrigan, Eden Francis, Kerry Cotter, Sonja Davison, Ed Kremer, Ron Budram.

Preliminary Program for 171st 2YC3 Conference

Theme: The History of Chemistry: From the Past Comes the Future

The 171st conference will be held on October 14-15, 2005. This joint conference will be held with the Bucks County Science Teachers Association (K-College).

Program Chair: Michael Lee, leem@storm.bucks.edu

Friday: *Morning*

Welcome

Keynote: Mark Michalovic, Chemical Heritage Foundation

“Invite a Chemist to Lunch”, George Kriz

“Dyeing Technology of the 18th Century,” Kim Browning

Lunch prepared by our own Chef’s Apprentice students and served in hour historic Tyler Mansion overlooking the Neshaminy Creek and Indian Council Rock with a spectacular view of Tyler State Park.

Afternoon

Keynote: History of Chemistry

Workshop: John Penn

Panel: Making the Organic curriculum more manageable – could also be a

“Birds of a Feather” session- Please let me know if you would like to be a panelist or contributor.

“The International Center of First-Year Undergraduate Chemical Education: The Richness of Difference” – Paul Kelter

Banquet In Tyler Mansion and prepared and served by of Chef’s Apprentice students

Speaker: William Jensen “An illustrated Tour of the Oesper Collections in the History of Chemistry”

Saturday: *Morning*

Keynote: “A History of the Chemistry Textbooks” James Spencer

POGIL Workshop

Panel: Coming Full Circle: student to teacher

If any of you are now teaching at the school where you were a student, we invite you to be a member of this panel.

Panel: K- 12 teachers – through the decades: Has teaching science REALLY changed?

I also extend an invitation for this panel.

“Competitive Exercises in the classroom as a means of engaging students”, Kevin Cannon

“Using LabWorks in General Chemistry”, Bill Yorke

Community College Chemistry Instructor Jobs

Truckee Meadows Community College, located in Reno, Nevada, invites applications for a, tenure-track, chemistry instructor. This position will begin August 10, 2005. Minimum qualifications: A master’s degree in chemistry from a regionally accredited institution and two (2) years teaching in a higher education setting. A detailed position announcement including the preferred qualifications, responsibilities and salary can be obtained by contacting: TMCC, Director for Human Resources, 7000 Dandini Blvd., RDMT 211, Reno, NV 89512-3999, Tel (775) 673-7168 or TDD: (775) 673-7000 or visit TMCC’s Web site at www.tmcc.edu/hrs. TMCC is an EEO/AA institution.

Portland Community College in Portland, Oregon, invites application for a tenure-track chemistry instructor for the fall of 2005. A detailed position announcement can be found at www.pcc.edu.