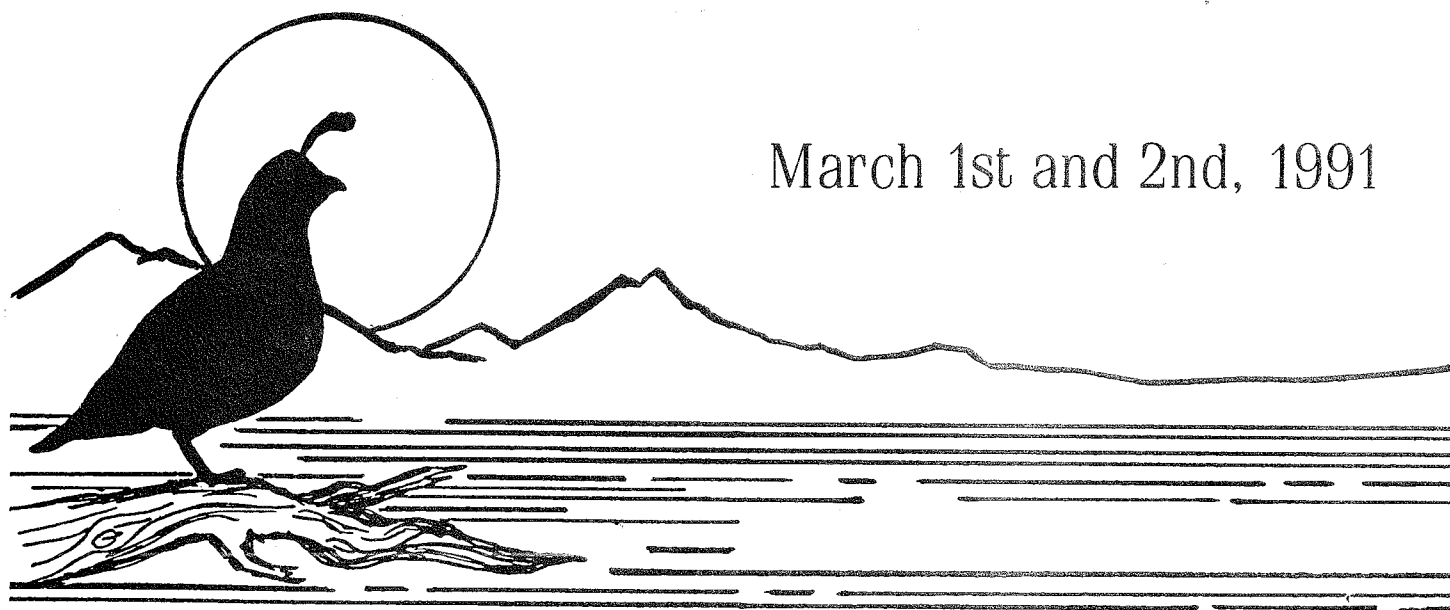


113th
Two Year College
Chemistry Conference
2YC₃

March 1st and 2nd, 1991



"Scientific Literacy For The 21st Century"

Phoenix College
1202 West Thomas Road, Phoenix, Arizona 85013

Presenters

Bent, Henry A.
Chevron Science Center
University of Pittsburgh
Pittsburgh, PA 15260

Birk, James P.
Arizona State University
Department of Chemistry
Tempe, AZ 85287

Byrum, David
Flowing Wells High School
3725 N. Flowing Wells Rd.
Tucson, AZ 85705

Fabes, Brian
University of Arizona
Mines 131
Tucson, AZ 85721

Foust, Richard
Northern Arizona University
Department of Chemistry
P.O. Box 5698
Flagstaff, AZ 86011-5698

Glaunsinger, William S.
Arizona State University
Department of Chemistry
Tempe, AZ 85287

Heilman, Christopher L.
Phoenix College
1202 W. Thomas Rd.
Phoenix, AZ 85013

Joesten, Melvin
Vanderbilt University
Box 1822-B
Nashville, TN 37235

Kruse, Alan
Pima Community College
2202 W. Anklam Rd.
Tucson, AZ 85709

Millam, Michael J.
Phoenix College
1202 W. Thomas Rd.
Phoenix, AZ 85013

Nordstrom, Brian H.
Embry-Riddle Aeronautical
University
3200 Willow Creek Rd.
Prescott, AZ 86301

Orna, Mary Virginia
College of New Rochelle
29 Castle Place
New Rochelle, NY 10801

Suydam, Jill
Glendale Community College
600 West Olive Ave.
Glendale, AZ 85302

Thall, Edwin
University of Akron
Wayne College
Orrville, OH 44667

Winters, James
St. Joseph's Hospital & Medical
Center
MRI Unit
Phoenix, AZ 85013

**113th TWO YEAR COLLEGE
CHEMISTRY CONFERENCE**

Phoenix College
1202 W. Thomas Rd.
Phoenix, Arizona 85013

Friday, March 1 and Saturday, March 2, 1991

Scientific Literacy for the 21st Century.

Program Chair: Alan Kruse, Pima Community College
Local Arrangements: Pat Moyer, Phoenix College
Local Industrial Sponsors Coordinator: John Weide, Mesa Community College

Thursday, February 28, 1991

7:00 - 9:00 Mixer at Holiday Inn Park Central; video excerpts from "The World of Chemistry"

Friday morning, March 1, 1991

All sessions (except COCTYC) will be held in room C-102

8:30 - 4:00 Registration, exhibits and refreshments **8:00** Leave Holiday Inn for tour
Room C-102 foyer, and C-116 **8:30 - 10:00** Tour of Glendale Community
College's High Tech Center

9:00 - 10:30 Committee on Chemistry in the Two Year College
Bear's Den, Hannelly Center
Margot K. Shumm, COCTYC Chair, presiding. Open to all interested persons.

10:45 - 11:00 Opening Ceremonies and Welcome
Welcome: Myrna Harrison, President, Phoenix College
Opening: Margot K. Schumm, Chair, 2YC3, Montgomery College

Session I Solid State Chemistry: Carl Sheperd, Northland Pioneer College, presiding

11:00 - 12:00 PLENARY SPEAKER "What's Exciting About Solid State Chemistry: New Materials and
New Technologies," Dr. William Glaunsinger, Arizona State University

12:00 - 1:30 Lunch - on your own at nearby restaurants.

1:30 - 2:00 Solid State Chemistry: Bridging the gap between Science and Engineering," Dr. Brian
Fabes, University of Arizona

2:00 - 2:30 "Model Building for High School Chemistry Teachers: From Cubic Closest Packed Metals
to Ionic Cubic Crystals," Dr. James P. Birk, Arizona State University

An Extra

2:30 - 3:00 "ChemSource: New Strategies for Delivering Quality Chemistry Instruction," Mary
Virginia Orna, New Rochelle College

3:00 - 3:30 Coffee Break and Exhibits

- Session II** Imaging/Instrumentation: Chuck Lochner, Pima Community College, presiding
- 3:30 - 4:30** PLENARY SPEAKER "Magnetic Resonance Imaging or How to Pervert a Perfectly Good Analytical Technique for the Purpose of Medical Imaging and Making Money," James Winters, St. Joseph's Hospital and Medical Center, Phoenix
- 4:30 - 5:00** "Atoms are Real! Pictures from the Scanning Tunneling Microscope," Chris Heilman, Phoenix College
- 5:00 - 5:30** Shuttle to the Motel
- 5:30 - 6:30** Social Hour and Poster Session
- 6:30 - 9:00** **BANQUET AND KEYNOTE ADDRESS, Holiday Inn**
Dr. Henry A. Bent, University of Pittsburgh, "Cures for What Ails Science Education in America"

Saturday, March 2, 1991

- | | | | |
|--------------------|--|--------------------|---|
| 8:00 - 1:30 | Registration, exhibits and refreshments
Room C-102 foyer, and C-116 | 8:00 | Leave Holiday Inn for tour |
| | | 8:30 - 9:45 | Hands on demo of Instructional Video Laboratory (Paradise Valley Community College) |
| 8:30 - 9:00 | "Bringing High Tech Equipment at Low Tech Cost into the High School Classroom," David Byrum, Flowing Wells High School, Tucson | | |

- Session III** Environmental Chemistry, Wayne Hildebrandt, Northern Arizona University, presiding
- 9:00 - 10:00** PLENARY SPEAKER "Saving the Ozone Layer," Dr. Melvin Joesten, Vanderbilt University
- 10:00 - 10:30** Coffee Break and Exhibits
- 10:30 - 11:00** "Environmental Chemistry in the University Classroom," Dr. Richard Foust, Northern Arizona University
- 11:00 - 11:30** "Living with Less Energy: Impressions of China," Jill Suydam, Glendale Community College
- 11:30 - 12:00** "Energy Production and the Environment: A Slide Show," Brian Nordstrom, Embry-Riddle Aeronautical University
- 12:00 - 1:30** Lunch - on your own at nearby restaurants.

- Workshop** Alan Kruse, Pima Community College, presiding
- 1:30 - 4:30** "A Hitchhiker's Guide to General Chemistry," Dr. Henry A. Bent, University of Pittsburgh
Dr. Bent will present a number of demonstrations dealing with the triangle of fire, chemistry, and light. New approaches to topics such as molar mass and the mole concept will be discussed. Finally a philosophical look at General Chemistry will be taken including such topics as student commitment, the big picture, etc.

Evening: Dinner with a group of your choice at a variety of Phoenix restaurants.

Abstracts
2YC3 Conference
March 1991

Model Building for High School Chemistry Teachers:
From Cubic Closest Packed Metals to Ionic Cubic Crystals

James P. Birk

Workshops for high school chemistry teachers have provided experience in building models for both covalent and ionic structures. A set of models has been developed to show the relationship between cubic closest packed, face centered cubic and ionic cubic crystal structures.

Saving the Ozone Layer

Dr. Melvin D. Joesten

In 1974 F. Sherwood Rowland and M. Molina of the University of California, Irvine, proposed that chlorine atoms from the ultraviolet photodissociation of chlorofluorocarbons (CFCs) in the stratosphere are destroying the ozone layer. This talk will review the scientific discoveries and diplomatic efforts that have occurred since the Rowland-Molina hypotheses to bring us to the present global effort to ban the production of CFCs.

Polymer Samples with Medical Applications
(Poster Session)

Alan Kruse

Samples present will include sutures, vascular grafts, lens implants, contact lenses and silicone breast implants.

Representing Isomeric Structures
(Poster Session)

Edwin Thall

A new method to help identify both constitutional and stereoisomers will be presented. By using arrows to point to unique sites on carbon skeletons, single structures represent more than one isomer.

Humor in Chemistry
(Poster Session)

Michael J. Millam

Poems, cartoons and jokes convey the lighter side of chemistry. Each sample of this soon to be published collection can be used mnemonically to recall a chemistry fact.

Tour of Interactive Video Lab at PVCC

conducted by Lynn Lalko

This is a demonstration and hands-on session of computer controlled interactive videodisc instruction for chemistry lab and lecture. The networked system showcases the four volume Exploring Chemistry II videodisc series and the floppy disc based Introduction to General Chemistry and Organic Chemistry courseware. These programs were developed by Dr. Stanley Smith and Dr. Loretta Jones at the University of Illinois and have won EDUCOM/NCRIPTAL awards for the last four years.

The videodiscs in the Exploring Chemistry II series provide the student with full-color, full motion video combined with computer based text and graphics. The students can see the experiments exactly as they themselves would perform them without the normal safety, cost, feasibility, time or waste disposal concerns. The students can also work at their pace, repeating and reviewing material as necessary. The experimental observations can be immediately interpreted and analyzed with the aid of the computer. The system allows students access only to the lessons which have been assigned to them and records student progress in completing the experiments. The interactive video lessons when combined with conventional hands-on laboratory provides a learning environment which enhances and is superior (according to University of Illinois test results) to ordinary laboratory experience.

Exhibitors
113th 2YC₃

Exhibits are in room C-116

Jackie Taylor Garner
Southwest Regional Sales
Representative
Ace Glass Inc.
10280 Windmill Lakes
Houston, TX 77075

Mina Mathies
Western Regional Manager
W. H. Freeman
41 Madison Ave.
New York, NY 10010

Diane Basile
Arizona Representative
D. C. Heath and Company
9434 S. 44th St.
Phoenix, AZ 85044

John Bookhout
Houghton Mifflin Company
925 E. Meadow Drive
Palo Alto, CA 94303

Pat Corcoran
Sales Representative
McGraw-Hill Publishing
2531 E. Aster Dr.
Phoenix, AZ 85032

Dave Myers
Sargent Welch Scientific
P. O. Box 1026
Skokie, IL 60076

Kari Kirkham
Convention Manager
Saunders College Publishing
301 Commerce St., Ste. 3700
Fort Worth, TX 76102

Paul W. Cope
NMR/EPR Market Manager
Wilmad Glass Co.
Rt 40 & Oak Rd.
Buena, NJ 08310

Bill Thomas
John Wiley & Sons Inc.
605 Third Avenue
New York, NY 10158

Bruce Thrasher
President
Chemical Education Resources, Inc.
180 Linden St.
Wilberley, MA 02181

Gerry Chun
Sales Representative
Kimble Glass/Kontes
1914 West 235th St.
Torrence, CA 90501

Acknowledgments

Special Thanks fo Financial Support from:

American Chemica Society, Central Arizona Section
Cochice College
Maricopa County Community College District
Northern Arizona University
Phoenix College
Pima Community College
University of Arizona

Ace Glass, Inc.
Houghton Mifflin Company
McGraw-Hill Publishing
Sargent-Welch Scientific
Saunders College Publishing
John Wiley & Sons, Inc.

Wayne Hildebrandt

... and logistical support from:

Angela Ambrosia
John Chaves
Ginny Cummins
June Fike
Tony Foster
Jeanie Garrett
Janet Gesin
Chris Heilman
Marty Maier
Kathy McLean
Dave Nachman

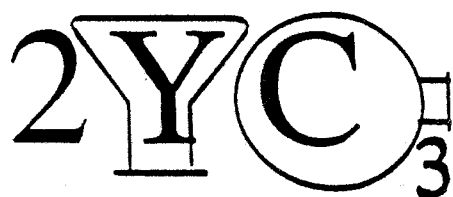
... and student assistants:

Leonard Chiang
Michelle Hall
Marek Niemczynski
Jane Owen
Daniela Sirb.

Phoenix College and the Maricopa Community College District do not discriminate on the basis of race, color, national origin, sex, religion, handicap or age in application, admission, participation, access and treatment of persons in instructional or employment programs and activities.

113th TWO-YEAR COLLEGE CHEMISTRY CONFERENCE

SCIENTIFIC LITERACY FOR THE
21ST CENTURY



TWO YEAR COLLEGE CHEMISTRY CONFERENCE

DIVISION OF CHEMICAL EDUCATION
AMERICAN CHEMICAL SOCIETY

March 1, 1991
Phoenix College
Phoenix, Arizona

COMMITTEE ON CHEMISTRY IN THE TWO-YEAR COLLEGES

Division of Chemical Education, Inc.

American Chemical Society

1991 Roster of Committee Members

Chair	Margot K. Schumm, Montgomery College-Rockville, 51 Mannakee Street, Rockville, MD 20850 Office (301) 251-7633 Home (301) 460-5561	(1994)
Immediate Past Chair	Elliott Greenberg, Prairie State College, 202 S. Halsted Street, Chicago Heights, IL 60411 Home (708) 748-9327 Office (708) 756-3110	(1993)
Chair-Elect	Ed Heath, Southwest Texas Junior College, Garner Field Road, Uvalde, TX 78801 Office (512) 278-4401, Ext. 224 Home (512) 278-9441	(1995)
Treasurer/ College Sponsors	Duane Sell, William Rainey Harper College, 1200 West Algonquin Road, Palatine, IL 60067 Office (708) 397-3000, Ext. 2408 Home (708) 830-2018	(1991)
Membership Chair	Richard F. Jones, Sinclair Community College, 444 West Third Street, Dayton, OH 45402 Office (513) 226-2500 Home (513) 836-9179	(1992)
Industrial Sponsors Chair	Patricia McCoy-Brown, Jefferson Community College 109 East Broadway, Louisville, KY 40202 Office (502) 584-0181, Ext. 277 or 204 Home (502) 425-7606	(1993)
Past Chairs (Members of COCTYC)	John Clevenger, Truckee Meadows Community College, 7000 Dandini Blvd., Reno, NV 89512 Office (702) 673-7221 Home (702) 348-6695	(1992)
	Ralph Burns, St. Louis Community College-Meramec, 11333 Big Bend Boulevard, St. Louis, MO 63122 Office (314) 966-7718 Home (314) 225-9253	(1991)
	Edith Bartley, Tarrant County Junior College, South Campus, 5301 Campus Dr., Fort Worth, TX 76119 Office (817) 531-4754 Home (817) 498-2177	(1991)
Other Past Chairs	Onofrio Gaglione, Jay Bardole, Tamar Y. Susskind, Katherine E. Weissmann, Marion Baker, Douglas Bond, Paul Santiago, John P. Mitchell, William Griffin, Curtis Dhonau, Douglas Bauer (deceased), Cecil Hammonds, Ethelreda Laughlin, William T. Mooney, Jr.	

**2YC₃ Advisory Board Meeting
113th Conference
Phoenix College, Phoenix Arizona
Friday, March 1, 1991**

AGENDA

Note: This Meeting is an open meeting. All persons attending the conference are welcome.

I. Introductions

- A. Officers and Past Chairs
- B. Self-introduction of Advisory Board Members and others present

II. Minutes from the 112th Conference, Mays Landing, New Jersey

- A. Advisory Board, Approval page 1
- B. COCTYC, Information page 3

III. Reports

- A. Mays Landing, 112th, Conference (11/16 and 17/90) page 6
- B. Phoenix College, 113th Conference (3/1 and 2/91)
- C. Treasurer, Duane Sell page 7
- D. College Sponsors, Duane Sell page 9
- E. Membership, Richard Jones page 14
- F. Industrial Sponsors, Patricia McCoy-Brown page 15
- G. Future Meeting Sites, Ed Heath page 16

IV. Role and Function of Advisory Boards

- A. Officers
- B. Members

V. Public Relations

Need for In-depth Study of Community College Chemistry Departments and Community College Chemistry Faculty

VI. Announcements and New Business

VII. Introduction of Additional Arrivals

VIII. Adjournment

**COCTYC Meeting
112th Conference
Atlantic Community College, Mays Landing, New Jersey
Saturday, November 17, 1990**

Members Present: John Clevenger, Dick Gaglione, Elliott Greenberg, Richard Jones, Margot Schumm,

Guests: Edmund Zoranski, Donald Hurff

Call to Order

Elliott Greenberg, Chair, called the meeting to order at 4:00 P. M.

Approval of Minutes of the COCTYC Meeting, 108th Conference

The minutes of the COCTYC Committee meeting held at Elgin Community College in Elgin Illinois were approved as corrected; Leo Kling III's name was added to the list of those attending the meeting (see Agenda Book page 2).

Summary Report of the 112th Conference

Ed Zoranski reported that despite all of his efforts to publicize this meeting and get people to attend, only 36 people were registered. This was a grave disappointment to the conference planners. Ed identified a number of problems and offered suggestions for future conference planners, 1. low attendance, 2. very low early registration, 3. difficulty contacting exhibitors, 4. exhibitors left before the afternoon break, 5. program chairs must see to it that the meeting stays on schedule, and 6. program chairs should have a planned break, at least 15 minutes, in each session to give people an opportunity to visit the exhibit area. Ed pointed out that the list of items that have to be done in planning a meeting was very helpful, but one item was missing, the ACC planners did not know that they were to provide a social hour before the banquet. He suggested that this be added to the list. It was suggested that members of the Regional Advisory Committees be assigned to help conference planners with some of the details of conference planning, especially with publicity. They might also be asked to personally contact colleagues in their region to urge them to attend the meeting.

Personnel Matters

1. Chair-elect 1992: There was a discussion on the merits of each candidate. Ballots should be sent to Elliott in time to be counted at the Phoenix meeting.
2. Industrial Sponsors Chair: Patricia McCoy-Brown was elected to serve a three year term as Industrial Sponsors Chair.
3. Assistant Industrial Sponsors Chair: Carol White will serve for three years as Assistant Industrial Sponsors Chair.
4. Secretary/Editor: There were no candidates. However, one person was interested in serving as editor. Dividing this position into two positions, Editor and Secretary, was discussed, but no definitive conclusion was reached. The question of whether the travel allowance provided was sufficient incentive to attract candidates for this(these) position(s) was raised. Discussion followed, but no definite conclusion was reached.
5. Appointments to the 2YC₂ Regional Advisory Boards: Elliott has asked four individuals to serve as Regional Committee Chairs. To date, Ann Cartwright (Southern Region) and Alan Kruse (Western Region) have accepted.
6. Reappointment to COCTYC Executive Committee: The committee, especially the Chair-elect, was reminded that members of the COCTYC Committee (Membership, Treasurer/College Sponsors, Industrial and Assistant Industrial Sponsors Chair and Secretary/Editor or Editor and Secretary) must be asked if they wish to serve a second term eighteen months (July 1 of a given year) before the their terms expire. If so, ballots, asking for approval (or disapproval) are sent to COCTYC members. If the incumbent does not wish to serve a second term or, if the second term is not approved, the vacant position must then be advertised in both Fall newsletters.
7. Responsibilities of Regional Chairs and Committee members: Draft proposals describing the responsibilities of Regional Chairpersons and Regional Advisory Board members were discussed briefly.

Budget

The budget, found on page 4 of the Agenda Book, was unanimously approved without discussion.

Agenda Book

It was decided to continue to have Terri Nally's office publish the Agenda Book, but in a less expensive format. The funds saved will be used to expand the 2YC₃ Newsletter.

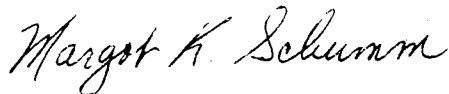
Report from the Membership Chair

Dick Jones reported that a packet of draft materials for discussion at the Phoenix meeting, will be sent to Committee members in early January. It was decided to expand the distribution of the Newsletter to include all officers of the Division of Chemical Education, staff and Congresspersons on committees with oversight of agencies that fund higher education as well as the Executive Committee of the Chemical Manufacturers Association.

Adjournment

The meeting was adjourned at 5:45 P. M.

Respectfully Submitted,



Margot K. Schumm, Chair-elect, 1990

COMMITTEE ON CHEMISTRY IN THE TWO-YEAR COLLEGE

Division of Chemical Education, Inc.
American Chemical Society

1990 ANNUAL REPORT

Elliott Greenberg, 1990 Chair

NO ACTION ITEMS

COMMITTEE ON CHEMISTRY IN THE TWO-YEAR COLLEGE
ACS Division of Chemical Education, Inc.

1990 ANNUAL REPORT
Elliott Greenberg, 1990 Chair

This report summarizes news information and conferences conducted by the Committee on Chemistry in the Two-Year College (COCTYC) during 1990. The COCTYC continues to be an active and vibrant committee of DIVCHED.

Conferences. Our main ongoing activity is the enhancement of chemical education and professional development for faculty through presentations and workshops at our conferences. The following conferences were held by 2YC₃ in 1990:

- 108th - April 20-21, 1990, Middlesex Community College, Bedford, MA
- 109th - June 14-17, 1990, held jointly with the 17th C₃ (College Chemistry Canada) at Capilano College, North Vancouver, BC
- 110th - August 5-9, 1990, held jointly with the 11th BCCE at Georgia Institute of Technology, Atlanta, GA
- 111th - October 5-6, 1990, Elgin Community College, Elgin, IL
- 112th - November 16-17, 1990, Atlantic Community College, Mays Landing, NJ

It is our continuing practice, every academic year, to hold one conference in each of the four regions of the country in order to facilitate attendance by two-year college faculty who generally have very limited travel funds. Attendance at the four regional conferences was nearly 500, which is a significant increase over the preceding year. Highlights of these conferences included workshops on grant writing, handling and disposal of laboratory chemicals, instrumentation, and instructional techniques.

At the 11th BCCE, 2YC₃ participated with a booth in the exhibit area, a program for two-year college faculty, and a banquet.

We are pleased to announce that ACS President Dr. S. Allen Heininger is scheduled to be the keynote speaker at the conference to be held at Anne Arundel Community College in Arnold, MD, Sept. 27-28, 1991.

Election Information. Ed Heath of Southwest Texas Junior College, Uvalde, TX, was elected to serve as Chair-Elect of the COCTYC for 1991, and will be Chairperson in 1992. Patricia McCoy-Brown of Jefferson Community College, Louisville, KY, was elected to a three-year term (1991-93) as Chairperson for Industrial Sponsors. Carol White of Athens Tech., Athens, GA, was elected to the newly created position of Assistant Industrial Sponsors Chairperson. She will serve a three-year term (1991-93), with responsibility for coordinating advertising in our newsletter. Ballots for Chair-Elect in 1992 have been mailed, and will be opened at the Phoenix, AZ conference.

Administrative Changes. In order to conform to the size and structure of other DIVCHED committees, nomenclature changes were effected whereby the former Executive Committee is now known as the COCTYC, and the approximately 60-70 members of the "Committee" will be referred to as the 2YC₃ Advisory Board, with regional designations.

Long-Range Planning. During the past year, a long-range planning program was initiated under the direction of Katherine Weissmann, a past chair of the COCTYC. In our third newsletter of 1991, we are planning to publish recommendations made by participants at the two meetings. The long-range planning process will continue, with consideration of all aspects of the COCTYC's operation, so that we can continue to serve two-year college faculty, and help them to meet the problems and challenges of chemical education in the 1990's.

Finances. A summary of expenditures for the year is given below:

TRAVEL	\$ 6,409
NEWSLETTER (printing, postage)	3,222
OFFICE EXPENSES	1,045
POSTAGE (other than newsletter)	156
OUTREACH (guidelines, agenda books)	2,000
MEETINGS	768
TOTAL	\$13,600

It is important to note that, in accordance with long-standing policy, no COCTYC funds were used to pay any of the colleges or speakers for expenses incurred for our conferences.

We have again given financial support to the ACS Office of College Chemistry for distribution of the SOCED "Guidelines".

Continuing Activities. We continue to publish four editions of the 2YC₃ Newsletter each year, distributing over 2000 copies of each issue to members and to every two-year college. We encourage membership in DIVCHED and ACS, and participation in their programs and activities. Efforts are being made to increase the involvement of 2YC₃ members in the planning and execution of conferences, as well as the solicitation of new members and College and Industrial Sponsors. In order to maintain a continued high level of quality at our conferences, we continue to conduct informal workshops on conference planning to assist those persons involved in conducting future conferences.

Acknowledgement. A great deal is owed the many members who have worked so diligently in planning and conducting our conferences. We are also very grateful to the colleges that have so graciously hosted these meetings. Without the help of these individuals and colleges it would not be possible to conduct our extensive program of conferences.

Respectfully submitted,

Elliott Greenberg

Elliott Greenberg, 1990 COCTYC Chair

**2YC₃ Eastern Regional Advisory Board Meeting
112th Conference
Atlantic Community College, Mays Landing, New Jersey
Friday November 16, 1990**

Attendance

Twenty names were listed on the attendance sheet. All attendees were 2YC₃ members. Five were Regional Advisory Board members.

Opening

The meeting was opened at 10:10 A. M. by the Chair, Elliott Greenberg.

Introductions

The COCTYC officers and past chairs that were present were introduced. Following that, all others introduced themselves.

Minutes

The minutes of the 111th meeting, held at Elgin Community College in Elgin Illinois, were approved by voice vote.

Reports

1. Elliott Greenberg presented a report on the 111th meeting. One hundred forty people attended the meeting, which was judged by all to have been a success. He also noted that there were gaps in the calendar of meetings and asked for volunteers to assist in obtaining sites for future meetings.
2. Richard Jones, Membership Chair, circulated a list of two-year Colleges ordered by state and asked that they be checked for accuracy.
3. Margot Schumm announced that ACS was combining several of its existing publications into one, Chemunity News. Chemunity News will serve educators at all levels, kindergarten through college. It is hoped that this approach will encourage communication among educators at all levels and thereby have a positive impact on teaching/learning of chemistry and science throughout the educational continuum.
4. Elliot Greenberg reported on a meeting he and Estelle Gearon (Montgomery College, Takoma Park Campus) had with Luther Williams, Director, Directorate of Education and Human Resources of the National Science Foundation, on November 14th, 1990. As reported by Elliott, Dr. Williams acknowledged that there may be some inequity in the present system that works against applicants from two-year schools. He suggested that: 1. there might be a separate competition among two-year colleges for some of the available grant money, and 2. 2YC₃ send him guidelines that would help reviewers better understand the differences in the funding needs of two-year colleges and universities. Vera Zdravkovich (Prince George's College, Largo Maryland) volunteered to serve on a committee to develop a set of recommendations. Elliott urged that this report be prepared as soon as possible so that changes could be incorporated into the NSF Announcements that will be distributed in April, 1991. A discussion in which the following points were made followed: 1. Most reviewers are not acquainted with two-year college programs and problems. 2. Only 8% of all grants submitted are funded. 3. The new faculty enhancement program no longer requires matching funds. 4. Two year college faculty need to do a better job in telling reviewers who they are and what they do. 5. Two year college faculty must learn how to write successful grants. 6. Grantwriting workshops should continue to be held at all 2YC₃ regional conferences. 7. Katherine Weissmann and Duane Sell can provide members with copies of grant applications that have met with success. and 8. Elliott has copies of the NSF announcements.

Adjournment

Elliott Greenberg thanked 2YC₃ members for the privilege of serving as their chair for 1990. On behalf of those assembled, Shri lyengar thanked Elliott for his hard work on behalf of the organization.

The meeting was adjourned at 10:55 A. M.

Respectfully submitted,



Margot K. Schumm, Chair-elect 1990

**COMMITTEE ON CHEMISTRY
IN THE TWO-YEAR COLLEGE**

STATEMENT OF INCOME AND EXPENSE

FOR THE PERIOD OF 01/01/90 TO 12/31/90

	BEGINNING BALANCE	\$10418.32
	YEAR TO DATE RATIO	AMOUNT
INCOME		
DUES AND SPONSORS		
DivChed	11.7	2000.00
Membership Dues	47.7	8130.00
Industrial Sponsors	15.2	2600.00
College Sponsors	11.7	2000.00
INTEREST		
Checking Account	4.3	734.30
CD's	9.4	1589.70
	-----	-----
TOTAL INCOME	100.0	\$17054.00
		27472.32
 EXPENSES		
TRAVEL (Officers)	37.6	6408.69
OFFICE	6.1	1045.36
NEWSLETTER		
Printing & Postage	18.9	3222.02
MEETINGS	4.5	768.26
POSTAGE	0.9	156.23
OUTREACH	11.7	2000.00
	-----	-----
TOTAL EXPENSES	79.7	\$13600.56
		13871.76
NET INCOME(LOSS)	20.3	\$ 3453.44
TRANSFERRED TO CD	14.7	\$ 2500.00
		CURRENT BALANCE
		\$11371.76

There was a total of 118 COLLEGE SPONSORS.

Respectfully Submitted

Duane Sell
Duane Sell, Treasurer

**COMMITTEE ON CHEMISTRY
IN THE TWO-YEAR COLLEGE**

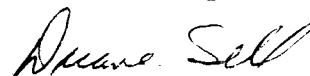
STATEMENT OF INCOME AND EXPENSE

FOR THE PERIOD OF 01/01/91 TO 02/10/91

	BEGINNING BALANCE				\$11371.76
	CURRENT PERIOD RATIO	AMOUNT	YEAR TO DATE RATIO	AMOUNT	
INCOME					
Membership Dues	40.0	870.00	40.0	870.00	
College Sponsors	57.5	1250.00	57.5	1250.00	
INTEREST					
Checking Account	2.5	54.65	2.5	54.65	
	-----	-----	-----	-----	
TOTAL INCOME	100.0	\$ 2174.65	100.0	\$ 2174.65	13546.41
 EXPENSES					
TRAVEL	2.0	43.75	2.0	43.75	
NEWSLETTER					
Printing & Postage	33.3	725.91	33.3	725.91	
	-----	-----	-----	-----	
TOTAL EXPENSES	35.3	\$ 769.66	35.3	\$ 769.66	
 NET INCOME(LOSS)	64.7	\$ 1404.99	64.7	\$ 1404.99	
				CURRENT BALANCE	\$12776.75

To date there are 79 Colleges that have renewed their COLLEGE SPONSORSHIPS. Please review the list of active College Sponsors enclosed in this Agenda Book. If you know of a college that is not on this list, including your own, please encourage them to become a COLLEGE SPONSOR. This agenda book contains an application form for COLLEGE SPONSORSHIP. Please use it and contact me if you need additional application forms.

Respectfully Submitted



Duane Sell, Treasurer

1991 College Sponsors
Active List

printed 02/05/91

Mrs. Betty Graef
Alvin Community College
3110 Mustang Rd.
Alvin, TX. 77511

Mr. A. Schneider
Amarillo College
P.O. Box 447
Amarillo, TX. 79178

Mrs. D. M. Reeder
Anne Arundel Community College
101 College Parkway
Arnold, MD. 21012

Mr. Robert Ingram
Arizona Western College
P.O. Box 929
Yuma, AZ. 85364

Mr. L. G. Ladwig
Black Hawk College
6600 34th Ave.
Moline, IL. 61265

Prof. Larry Eddy
Blue Mountain Community College
2411 N.W. Carden, P.O. Box 100
Pendleton, OR. 97801

Dr. Ken Tasa
Brazosport College
500 College Drive
Lake Johnson, TX. 77566

Mr. Richard Hill, Jr
Broward Community College
3501 S. W. Davie Road
Fort Lauderdale, FL. 33314

Mrs. Peggy Green
Broward Community College-North
1000 Coconut Creek Blvd.
Coconut Creek, FL. 33066

Mr. Dale R. Buck
Cape Fear Community College
411 N. Front Street
Wilmington, NC. 28401

Dr. Bruce McClelland
Central Oregon Community College
2600 NW College Way
Bend, OR. 97701

Dr. Douglas E. Zabel
Charles County Community College
P.O. Box 910
LaPlata, MD. 20646

Mr. Al Salerno
Clark State Community College
P.O. Box 570
Springfield, OH. 45501

Dr. Michael Corn
College of Lake County
19351 W. Washington St.
Grayslake, IL. 60030

Dr. Rex Widener
College of Southern Idaho
P.O. Box 1238
Twin Falls, ID. 83301

Instruct. Director
Columbia Basin College
2600 N. 20th Ave.
Pasco, WA. 99301

Dr. Ralph R. Keiser
Community College of Rhode Island
400 East Ave.
Warwick, RI. 02886

Sharon Kapka, CHM
County College of Morris
Route 10 and Center Grove Rds
Dover, NJ. 07801

Mr. Cullen Johnson
Cuyahoga Community College
4250 Richmond Road
Warrensville Twp, OH. 44121

Prof. C.J. Alexander
Des Moines Area Community College
2006 S. Ankeny Blvd
Ankeny, IA. 50021

1991 College Sponsors
Active List

printed 02/05/91

Mr. R.G. Albrecht
Dodge City Community College
2501 N. 14th Avenue
Dodge City, KS. 67801

B. Morris, Math/Sci.
El Camino College
16007 Crenshaw Blvd
Torrance, CA. 90506

Dr. Marvin J Albinak
Essex Community College
7201 Rossville Blvd
Baltimore, MD. 21237

Mr. Garry McGlaun
Gainesville College
P.O. Box 1358
Gainesville, GA. 30503

Prof. Marilee Murray
Glendale Community College
6000 West Olive Avenue
Glendale, AZ. 85302

Dr. Ray Gangi
Gloucester County College
Taynard and Salinas Roads
Sewell, NJ. 08080

Dr. Edward C. Fohn
Green River Community College
12401 S.E. 320th Street
Auburn, WA. 98002

Mr. Paul J. Santiago
Harford Community College
401 Thomas Run Road
Bel Air, MD. 21014

Mr. Fred Redmore
Highland Community College
Pearl City Road
Freeport, IL. 61032

Ms. Elizabeth G Tite
Holyoke Community College
303 Homestead Ave.
Holyoke, MA. 01040

John Youker, Chair
Hudson Valley Community College
80 Vandenberg Ave.
Troy, NY. 12180

Dr. Ronald Pfister
Hutchinson Community College
1300 N. Plum
Hutchinson, KS. 67501

Prof. Albert Krieger
Jackson Community College
2111 Emmons Rd.
Jackson, MI. 49201

Taylor Pancoast
Jamestown Community College
525 Falconer Street
Jamestown, NY. 14701

Mr. V.L. Wolfmeyer
Jefferson College
P.O. Box 1000
Hillsboro, MO. 63050

Mr. Joseph Butler
Jefferson Community College
Outer Coffeen Street
Watertown, NY. 13601

Dr. David Klein
Kansas City Kansas Community College
7250 State Avenue
Kansas City, KS. 66112

Dr. P.Y. Rodriguez
Kilgore College
1100 Broadway
Kilgore, TX. 75662

Richard E. Jones, Jr
Lewis and Clark Community College
5800 Godfrey Road
Godfrey, IL. 62035

Dr. Peter Scott
Linn-Benton Community College
6500 S.W. Pacific Rd.
Albany, OR. 97321

1991 College Sponsors
Active List

printed 02/05/91

Mr. James Carney
Lorain County Community College
1005 N. Abbe Rd.
Elyria, OH. 44035

Prof. Anne Barber
Manatee Community College
5840 26th St. W.
Bradenton, FL. 33506

Dr. Dorma Gottlieb
Miami-Dade Comm. College-South Campus
11011 S.W. 104th St.
Miami, FL. 33176

Dr. Edmund Leddy
Miami-Dade Community College-North
Chemistry/Earth Science Department
Miami, FL. 33167

Prof. Boyd Gentry
Mid-Plains Community College
Route #4, Box 1
North Platte, NE. 69101

Dr. William Husa, Jr
Middle Georgia College
Sarah Street
Cochran, GA. 31014

Sharon Sechrist
Minneapolis Community College
1501 Hennepin Ave.
Minneapolis, MN. 55403

Mr. G. R. Nobiling
Monroe Community College
1000 E. Henrietta Rd.
Rochester, NY. 14623

Clarence Breedlove
Montgomery College
51 Mannakee Street
Rockville, MD. 20850

Dr. Gilbert Albelo
Mt. Hood Community College
26000 SE Stark Street
Gresham, OR. 97030

Mr. Onofrio Gaglione
New York City Technical College
300 Jay St.
Brooklyn, NY. 11201

Mr. Warren Eidsness
Normandale Community College
9700 France Ave. S.
Bloomington, MN. 55431

Mr. Don Langr-Chem
North Iowa Area Community College
500 College Drive
Mason City, IA. 50401

Prof. Floyd King
North Lake College
5001 MacArthur Blvd
Irving, TX. 75038

Mr. Ron DiStefano
Northampton Community College
3835 Green Pond Road
Bethlehem, PA. 18017

Prof. Tamar Susskind
Oakland Comm. Coll-Auburn Hills Campus
2900 Featherstone Rd.
Auburn Hills, MI. 48507

Dr. C. Churchill
Oakton Community College
1600 E. Golf Road
Des Plaines, IL. 60016

Prof Robert Kieburtz
Olympic College
16th and Chester
Bremerton, WA. 98310

Patricia C. Flath
Paul Smith's College
Rts. 192 & 30
Paul Smiths, NY. 12970

Mary Jo Podrebarac
Penn Valley Community College
3201 Southwest Blvd.
Kansas City, MO. 64111

1991 College Sponsors
Active List

printed 02/05/91

Dexter Plumlee, Chair
Portland Community College
P.O. Box 19000
Portland, OR. 97219

Mr. Terry Johnson
Rogue Community College
3345 Redwood Hiway
Grants Pass, OR. 97527

Dr. Curt McLendon
Saddleback Community College
28000 Marguerite
Mission Viejo, CA. 92692

Dr. Ann Cartwright
San Jacinto College-Central Campus
8060 Spencer Highway
Pasadena, TX. 77505

Mr. Dale Heuck
Sauk Valley College
173 Il Route 2
Dixon, IL. 61021

Mr. Bill Nickels
Schoolcraft College
18600 Haggerty Road
Livonia, MI. 48152

Lucy Pryde
Southwestern College
900 Otay Lakes Road
Chula Vista, CA. 92010

R. Ernest Dear
St. Clair County Community College
323 Erie St.
Port Huron, MI. 48060

Chemistry Dept Chair
St. Louis Community Coll.-Forest Park
5600 Oakland
St. Louis, MO. 63119

Mr. Charles Yates
State Technical Institute at Memphis
5983 Macon Cove
Memphis, TN. 38134

Dr. Paul Jacobson
Tacoma Community College
5900 South 12th Street
Tacoma, WA. 98465

Janet Hamilton
Tarrant County Jr. College-N.E. Campus
828 Harwood Road
Hurst, TX. 76055

Mrs. Edith Bartley
Tarrant County Jr. College-South Campus
5301 Campus Drive
Fort Worth, TX. 76119

Prof. D. Giersch
Triton College
2000 Fifth Avenue
River Grove, IL. 60171

Dr. Ray S. Sager
Victoria College
2200 E. Red River
Victoria, TX. 77901

Mr. Jay Bardole
Vincennes University
1001 N. 1st Street
Vincennes, IN. 47591

Mr. Gordon Harrach
Western Nebraska Community College
1601 E. 27th
Scottsbluff, NE. 69361

**COMMITTEE ON CHEMISTRY IN
THE TWO-YEAR COLLEGE**

Division of Chemical Education, American Chemical Society

APPLICATION FOR COLLEGE SPONSORSHIP

College name _____ Date _____

Address: (Street) _____

(City) _____ (State) _____ (Zip) _____

Contact Person _____

Prof. Dr. Mr. Ms. Miss Mrs.

Telephone (Area Code) _____ (Number) _____ (Ext) _____

Address (if different from above) _____

All questions and correspondence concerning the 2YC₃ College Sponsorship should be directed to:

Duane Sell
W.R. Harper College
1200 West Algonquin Road
Palatine, IL 60067-7398

Phone: (708) 397-3000 Ext. 2408

Please make check for \$25 payable to:

COMMITTEE ON CHEMISTRY IN THE TWO-YEAR COLLEGE

and return with the completed application to:

DUANE SELL

at the above address

We are a tax exempt organization. Our tax I.D. # is 23-7169683.

Thank you for your sponsorship.

113th 2YC3 MEMBERSHIP REPORT

Total Members 1990 - 547

Renewals 1991 a/o 2/11/91 - 470 (an estimated)

Submitted by

Richard F. Jones

February 15, 1991

REPORT OF 2YC3 INDUSTRIAL SPONSORS

Paid Industrial Sponsors to Date: 23.

February 15, 1991

Submitted by
Patricia McCoy-Brown

CONFERENCE SUMMARY CALENDAR

FEBRUARY 5, 1991

ACADEMIC

YEAR

113th

(Western)
Mar. 1-2, 1991
Phoenix, AZ

114th(ACS)

(Southern)
Apr. 12-13, 1991
Clarkston, GA

1990-91

115th

(Eastern)
Sept. 28-29, 1991
Arnold, MD

116th

(Southern)
Nov. 15-16, 1991
Wilmington, NC

117th(ACS)

(Western)
Apr. 3-4, 1992
Kentfield, CA

118th

(Midwestern)
May, 1992
Dearborn, MI

119th

(Biennial)
Aug. 1992
Davis, CA

1991-92

120th

(Southern)
Oct. 2-3, 1992
Amarillo, TX

121st

(Western)
Nov. 13-14, 1992
Gresham, OR

122nd

(Midwestern)
Apr. 16-17, 1993
Bloomington, MN

123rd(C3)

(Eastern)
June 3-5, 1993
Warwick, RI

1992-93

124th

1993-94

125th

126st

127th

128th

(Biennial)

TWO-YEAR COLLEGE CHEMISTRY CONFERENCE SITES

1990-91 ACADEMIC YEAR

114th CONFERENCE(Southern Region)

(Preceding the ACS National Meeting, Atlanta, GA, April 14-19, 1991)

* Apr. 12-13, 1991-DeKalb Community College, North Campus, 2101 Womack Rd
Dunwoody, GA 30021 (404) 299-4000
FAX: (404) 299-4301

Program Theme: TOWARD THE SECOND MILLENIUM

1. Increasing Use of Computers in Chemical Education
2. Increasing Awareness of Hazardous Materials & Safety

Co-Program Chair: Michael Denniston, Science Dept., DeKalb College

OFFICE: (404)299-4097 HOME: (404)292-6683

Judy Johnston, Science Dept., DeKalb College

OFFICE: (404)299-4098 HOME: (404)923-5068

FAX: (404)299-4301

Local Arrangements Chair: Larry Dickinson, Science Dept., DeKalb College, 2101 Womack Rd., Dunwoody, GA. 30338

OFFICE: (404)551-3130 FAX: (404)551-3201

HOME: (404)923-1541

Exhibits Coordinator: Larry Little, Science Dept, DeKalb College, 3251 Panthersville Rd., Decatur, GA 30034

OFFICE: (404)244-5072 FAX: (404)244-2965

1991-92 ACADEMIC YEAR

115th CONFERENCE(Eastern Region)

Sept. 28-29, 1991-Anne Arundel Community College (AACC), 101 College
Parkway, Arnold, MD 21012 (301) 647-7100
FAX: (301) 541-2489

Program Theme: CHEMICAL EDUCATION-TEACHERS AND TECHNOLOGY

Program Co-Chairs: Paul Kreiss, OFFICE: (301) 541-2548

Sridharan Iyengar, OFFICE: (301) 541-2266

Local Arrangements Co-Chairs: Debbie Reeder, OFFICE: (301) 541-2224

Rita Ailstock, OFFICE: (301) 541-2320

Exhibits Coordinator: Elijah Pugh, OFFICE: (301) 541-2261

116th CONFERENCE(Southern Region)

Nov. 15-16, 1991-Cape Fear Community College, 411 N. Front St.
Wilmington, NC 28401 (919) 343-0481

Program Theme: CHEMICAL POTPOURRI

Program Chair: Dale R. Buck, Chemical Tech. Dept., Cape Fear C.C.

OFFICE: (919) 343-0481, ext. 263 HOME: (919) 762-6369

Local Arrangements Chair: Raymond P. Brandi, Marine Tech. Dept.,
Cape Fear C.C.

OFFICE: (919) 343-0481, ext. 260 HOME: (919) 763-7192

Exhibits Coordinator: William E. Cheek, Chemistry Dept

Central Piedmont C.C., 1201 Elizabeth Ave at

Old Kings Drive, Charlotte, NC 28204

OFFICE: (704) 342-6968 or 6603 HOME: (704) 535-3418

* Indicates new or revised information

February 5, 1991

117th CONFERENCE(Western Region)

(Preceding the ACS National Meeting, San Francisco, CA. April 5-10, 1992)

**Apr. 3-4, 1992-College of Marin, 835 College Ave./Sir Francis Drake
Kentfield (Marin County), CA 94904 (415) 457-881
FAX: (415) 485-0135**

Program Theme: T.B.A

**Program Co-chair: Elizabeth Armstrong, Dean of Sciences, Canada
College, 4200 Farmhill Blvd., Redwood, CA 94061**

OFFICE: (415)364-1212 Ext. 291

**Laurie O'Connor, Dept. of Chem., Chabot College,
25555 Hesperian Blvd., Hayward, CA 94545**

OFFICE: (415)786-6600

**Local Arrangements Co-chair: Dr. O.H. Bezirjian and Dr. Lydia
Bearden, Marin College OFFICE: (415)485-9513**

FAX: (415)485-0135 HOME: (415)929-7592 (Bezirjian)

Exhibits Coordinator: Dr. Manus Monroe, Marin College

OFFICE: (415) 485-9513 FAX: (415) 485-0135

118th CONFERENCE(Midwestern Region)

**May 1992 - Henry Ford Community College, 5101 Evergreen
Dearborn, MI 48128-1495 (313) 271-2750**

Program Theme: T.B.A.

Program Chair: Joseph Maguire, Henry Ford Community College

OFFICE: (313)845-9632

Local Arrangements Chair: Joe Muscarella, Henry Ford Comm. College

OFFICE: (313)845-9632

119th CONFERENCE

(In conjunction with the 12th Biennial Conference on Chemical Education)
August 2-6, 1992 - University of California, Davis, CA

*** Program Chairs: Daniel White and Linda Zarzana, American River
College, Sacramento, CA 95841**

NOTE: SPECIAL REGISTRATION AND EXHIBIT FEES IN EFFECT FOR THIS MEETING.

1992-93 ACADEMIC YEAR

120th CONFERENCE(Southern Region)

**October 2-3, 1992-Amarillo College, P.O. Box 447, Amarillo, TX 79178
(806) 376-5111, FAX (806) 371-5370**

ADDRESS FOR PACKAGES: 24th and Jackson, Amarillo, TX. 79109

Program Theme: TBA

**Program Chair: A.G. (Jerry) Foster, Physical Science Dept.
Amarillo College**

(806) 371-5327

Local Arrangements Chair:

Peggy W. Alley, Physical Science Dept.

Amarillo College

(806) 371-5334 or 371-5333

Exhibits Coordinator:

Mary Graff, Physical Science Dept.

Amarillo College

(806) 371-5326

*** Indicates new or revised information**

February 5, 1991

121st CONFERENCE(Western Region)

Nov. 13-14,1992-Mt. Hood Community College, 26000 S.E. Stark St.
Gresham, OR 97030 (503) 667-6422 FAX (503) 667-7389

Program Theme: Chemistry and the Environment-Health and Hazards:
Living in the 21st Century

Program Chair: Richard Bolesta, Science Dept., Mt. Hood Comm. Coll.
OFFICE: (503) 667-7361 **HOME:** (503) 665-6353

Local Arrangements Chair:

Gil Albelo, Science Dept., Mt. Hood Comm. Coll.
OFFICE: (503) 667-7365 **HOME:** (503) 666-3276

Exhibits Coordinator:

Paul Sunset
HOME: (503) 253-5317

122nd CONFERENCE(Midwestern Region)

Apr. 16-17,1993-Normandale Community College, 9700 France Ave. South,
Bloomington, MN 55431 (612) 830-9300

Contact Person: Warren Eidsness

**123rd CONFERENCE(Eastern Region
(In Conjunction with C₃ Canada)**

* June 3-5, 1992-Community College of Rhode Island, 400 East Ave.,
Warwick, RI 02886

* **Contact Persons:** Harry Hajian, Community College of Rhode Island
Shahid Jalil, John Abbot College, P.O. Box 2000,
Ste Anne De Bellevue PQ H9X 3L9, Canada

{March 13-18,1994 ACS National Meeting and 5th Chemical Congress of
North America, San Diego}

All 2YC₃ members are urged to make suggestions regarding meeting sites,
program personnel, themes and programming suggestions, in writing, to
Executive Committee members and Program Chairs of the specific
conferences. 2YC₃ can function more effectively to serve all community
colleges when all persons participate. We welcome your suggestions.

2YC₃ ADVISORY BOARD, REGION I - WESTERN STATES: Alaska, Arizona, California, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming

PROGRAM CHAIR - 1991, and REGIONAL CHAIR

Alan Kruse (1993)
Pima Community College
2202 West Anklam Road
Tucson, AZ 85709
(602) 884-6031

Albelo, Gilbert (1993)
Mt. Hood Community College
26000 S.E. Stark Street
Gresham, OR 97030
(503) 667-6422

Peter, James R. (1993)
Cerritos Community College
11110 E. Alondra Blvd.
Norwalk, CA 90650
(213) 860-2451

Armstrong, Elizabeth (1991)
Canada College
4200 Farm Hill Blvd.
Redwood City, CA 94061
(415) 237-3291

Romer, Christine (1991)
Cerritos Community College
11110 E. Alondra Blvd.
Norwalk, CA 90650
(213) 860-2451

Chase, Jody (1991)
Truckee Meadows Community College
7000 Dandini Blvd.
Reno, NV 89512
(702) 673-7221

Scott, Peter (1992)
Linn-Benton Community College
6500 SW Pacific Blvd.
Albany, OR 97321
(503) 928-2361

Collins, Carolyn (1991)
Clark County Community College
3300 East Cheyenne Avenue
N. Las Vegas, NV 89030
(702) 456-4109

Sherman, Ruth (1992)
Los Angeles City College
855 N. Vermont Avenue
Los Angeles, CA 90029
(213) 669-4223

Hubbs, Robert (1991)
DeAnza College
Cupertino, CA 95014
(408) 996-4774

Wasserman, William (1991)
Seattle Central Community College
1701 Broadway
Seattle, WA 98122
(206) 587-3858

Hubscher, Arthur (1991)
Ricks College
Rexburg, ID 83460-0500
(208) 356-1930

(Site-Selection Committee Member) (1991)

Lungstrum, Richard A. (1992)
American River College
Sacramento, CA 95841
(916) 484-8464

2YC₃ ADVISORY BOARD, REGION II - SOUTHERN STATES: Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, Oklahoma, Puerto Rico, South Carolina, Tennessee, Texas

PROGRAM CHAIRS - 1991

REGIONAL CHAIR

Michael Denniston and
Judy Johnston
DeKalb College
555 N. Indian Creek Dr.
Clarkston, GA 30021
(404) 299-4097, and 4098

Dale R. Buck (1993)
Cape Fear C.C.
411 N. Front St.
Wilmington, NC 28401
(919) 343-0481, x 263

Ann Cartwright (1991)
San Jacinto College-
Central Campus
8060 Spencer Highway
Pasadena, TX 77505-2007
(713) 476-1882
(Site-Selection Committee
Member) (1993)

Alley, Peggy
Amarillo College
P.O. Box 447
Amarillo, TX 79178
(806) 371-5334

(1992)

Fowler, Art
Hiwassee College
P.O. Box 619
Madisonville, TN 37354
(615) 442-2520, ext. 280

(1992)

Ballard, Paula
Jefferson State Junior College
2601 Carson Road
Birmingham, AL 35215
(205) 853-1200

(1992)

Graham, James
J.C. Calhoun Community College
Decatur, AL 35620
(205) 353-3102

(1991)

Barber, Anne
Manatee Junior College
5840 26th Street W.
Bradenton, FL 33506
(813) 755-1511

(1992)

Harrison, Lester W.
Hinds Community College
Raymond, MS 39154-0999
(601) 857-3285

(1991)

Bell, Alex
Trident Technical College
P.O. Box 10367
Charleston, SC 29411
(803) 572-6159

(1992)

Massy, M. Wendell
Florida Community College-Kent Center
3939 Roosevelt Blvd.
Jacksonville, FL 32205
(904) 387-8244

(1992)

Bell, Helen
Dryersburg State Community College
Lake Road
Dryersburg, TN 38024
(901) 286-3382

(1991)

McGlaun, Garry
Gainesville Junior College
P.O. Box 1358
Gainesville, GA 30503
(404) 535-6266

(1992)

Bray, Larry
Miami-Dade Community College-So. Campus
11011 SW 104th Street
Miami, FL 33176
(305) 347-2492

(1992)

Minter, Anne
504 N. College Avenue
Douglas, GA 31535
(913) 384-6973

(1992)

Cheek, William
Central Piedmont Community College
P.O. Box 35009
Charlotte, NC 29235
(704) 373-6968

(1991)

White, Carol L.
Athens Tech.
U.S. Highway 29 North
Athens, GA 30610
(404) 549-2360

(1993)

(Assistant Industrial Sponsors Chair) (1993)

2YC₃ ADVISORY BOARD, REGION III - MIDWESTERN STATES: Illinois, Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, Wisconsin

PROGRAM CHAIR - 1991

REGIONAL CHAIR

		<p>Martha Brosz (1992) Cincinnati Technical College 3520 Central Parkway Cincinnati, OH 45223 (513) 569-1710</p>	
<p>Advani, Roma (1993) Prairie State College 202 S. Halsted Street Chicago Heights, IL 60411 (708) 709-3604</p>		<p>Kolb, Doris (1991) Bradley University Peoria, IL 61625 (306) 677-3029</p>	
<p>Banks, Lavoir (1991) Elgin Community College 1700 W. Spartan Avenue Elgin, IL 60123 (708) 697-1000 Ext. 320</p>		<p>Krieger, Albert (1991) Jackson Community College 2111 Emmons Road Jackson, MI 49201 (517) 787-0800</p>	
<p>Bardole, Jay (1993) Vincennes University Vincennes, IN 47591-5201 (812) 885-4372</p>		<p>Neff, David (1993) Jefferson Community College 109 East Broadway Louisville, KY 40202 (502) 584-0181</p>	
<p>Eidsness, Warren (1992) Normandale Community College 9700 France Avenue, S. Bloomington, MN 55431 (612) 830-9300</p>		<p>Redmore, Fred (1993) Highland Community College Freeport, IL 61032 (815) 235-6121, Ext. 331</p>	
<p>Hammonds, Cecil (1992) The Metropolitan Comm. Colleges (MO) 3200 Broadway Kansas City, MO 64111 (816) 932-7659</p>		<p>Rekow, Mary A. (1991) Jackson Community College 2111 Emmons Road Jackson, MI 49201 (517) 787-0800</p>	
<p>Johnson, Cullen (1993) Cuyahoga Community College-East Campus 4250 Richmond Road Warrensville Twp., OH 44122 (216) 987-2237</p>		<p>Susskind, Tamar Y. (1992) Oakland Community College 2900 Featherstone Road Auburn Hills, MI 48507</p>	
<p>Kenkel, John (1991) Southeast Community College - Lincoln 8800 "O" Street Lincoln, NE 68520 (402) 471-3333 (Site-Selection Committee Member) (1993)</p>		<p>Weierich, Andre J. (1992) Southeast Community College Cumberland, KY 40823 (606) 589-2145</p>	
<p>Klein, David W. (1992) Kansas City Kansas Community College 7250 State Avenue Kansas City, KS 66112 (913) 334-1100, Ext. 152</p>		<p>Weissmann, Katherine E. (1992) C.S. Mott Community College 1401 East Court Street Flint, MI 48502 (313) 232-6092</p>	
<p>Kock, Frank (1991) Bismarck State College 1500 Edwards Avenue Bismarck, ND 58501 (701) 224-5423</p>		<p>Winkleman, John (1993) Illinois Valley Community College 2578 E. 350th Road Oglesby, IL 61348-1099 (815) 224-2720</p>	

2YC₃ ADVISORY BOARD, REGION IV - EASTERN STATES: Connecticut, Delaware, District of Columbia, Maine, Maryland, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Virginia, Vermont, West Virginia

PROGRAM CO-CHAIRS - 1991

Paul Kreiss and
Sridharan Iyengar
Anne Arundel Community College
101 College Parkway
Arnold, MD 21012
(301) 541-2548, and 2266

REGIONAL CHAIR

Sridharan Iyengar (1993)
Anne Arundel Community College
101 College Parkway
Arnold, MD 21012
(301) 541-2266

Cherim, Stan (1991)
Delaware County Community College
Media, PA 19063
(215) 353-5400

Sollimo, Vincent (1991)
Burlington County College
Pemberton, NJ 08068
(609) 894-9311

Gaglione, Onofrio (1993)
New York City Technical College
300 Jay Street
Brooklyn, NY 11201-2983
(718) 643-8242
(Site-Selection Committee Member) (1991)

Stumpf, Dorothy (Dotty) (1992)
Middlesex Community College
Springs Road
Bedford, MA 01730

Kanter, Muriel (1993)
130 Rosseter Street
Dorchester, MA 02121
(617) 734-1960

Tobias, John (1992)
Westchester Community College
76 Grasslands Avenue
Valhalla, NY 10595
(914) 285-6939

Katz, David (1993)
Community College of Philadelphia
1700 Spring Garden Avenue
Philadelphia, PA 19130
(215) 751-8000

Vlassis, C.G. (1991)
Keystone Junior College
LaPlume, PA 18440
(717) 945-5141

Rainard, Barbara (1991)
Community College of Allegheny County
808 Ridge Avenue
Pittsburgh, PA 15212
(412) 237-2649

Whitfield, Thomas (1993)
Community College of Rhode Island
400 East Avenue
Warwick, RI 02886-1805
(401) 825-2257

Romano, Alla (1992)
New York City Technical College
300 Jay Street
Brooklyn, NY 11201
(718) 643-8242

CONFERENCE PROGRAM

113th TWO YEAR COLLEGE CHEMISTRY CONFERENCE

Phoenix College
1202 W. Thomas Rd.
Phoenix, Arizona 85013

Friday, March 1 and Saturday, March 2, 1991

Program Theme: Scientific Literacy for the 21st Century.

For additional information about the program or arrangements, please contact:

Program Chair: Alan Kruse, Pima Community College
2202 West Anklam Rd. Tucson, AZ 85709
(602) 884-6031

Local Arrangements: Pat Moyer, Phoenix College
(602) 285-7142

Local Industrial Sponsors Coordinator: John Weide, Mesa Community College
1833 West Southern Avenue, Mesa, AZ 85201
(602) 461-7313

Thursday, February 28, 1991

7:00 - 9:00 Mixer at Holiday Inn Park Central; video excerpts from "The World of Chemistry"

Friday, March 1, 1991

8:30 - 4:00	Registration, exhibits and refreshments	8:00	Leave Holiday Inn for tour
9:00 - 10:30	Committee on Chemistry in the Two Year College	8:30 - 10:00	Tour of Glendale Community College's High Tech Center
10:45 - 11:00	Opening Ceremonies and Welcome		

Session I Solid State Chemistry

11:00 - 12:00 PLENARY SPEAKER - "What's Exciting About Solid State Chemistry: New Materials and New Technologies," Dr. William Glaunsinger, Arizona State University

12:00 - 1:30 Lunch - on your own at nearby restaurants.

1:30 - 2:00 Solid State Chemistry: Bridging the gap between Science and Engineering," Dr. Brian Fabes, University of Arizona

2:00 - 2:30 "Model Building for High School Chemistry Teachers: From Cubic Closest Packed Metals to Ionic Cubic Crystals," Dr. James P. Birk, Arizona State University

An Extra

2:30 - 3:00 "ChemSource: New Strategies for Delivering Quality Chemistry Instruction," Mary Virginia Orna, New Rochelle College

CONFERENCE PROGRAM

- 3:00 - 3:30 Coffee Break and Exhibits
- Session II Imaging/Instrumentation
- 3:30 - 4:30 PLENARY SPEAKER - "Magnetic Resonance Imaging or How to Pervert a Perfectly Good Analytical Technique for the Purpose of Medical Imaging and Making Money," James Winters, St. Joseph's Hospital and Medical Center, Phoenix
- 4:30 - 5:00 "Atoms are Real! Pictures from the Scanning Tunneling Microscope," Chris Heilman, Phoenix College
- 5:00 - 5:30 Shuttle to the Motel
- 5:30 - 6:30 Social Hour and Poster Session
- 6:30 - 9:00 Banquet and Keynote Address, Holiday Inn
Dr. Henry A. Bent, University of Pittsburgh, "Cures for What Ails Science Education in America"

Saturday, March 2, 1991

- 8:00 - 1:30 Registration, exhibits and refreshments
- 8:00 8:30 - 9:45 Leave Holiday Inn for tour
Hands on demo of Instructional Video Laboratory (Paradise Valley Community College)
- Session II continued
- 8:30 - 9:00 "Bringing High Tech Equipment at Low Tech Cost into the High School Classroom," David Byrum, Flowing Wells High School, Tucson
- Session III Environmental Chemistry
- 9:00 - 10:00 PLENARY SPEAKER - "Saving the Ozone Layer," Dr. Melvin Joesten, Vanderbilt University
- 10:00 - 10:30 Coffee Break and Exhibits
- 10:30 - 11:00 "Environmental Chemistry in the University Classroom," Dr. Richard Foust, Northern Arizona University
- 11:00 - 11:30 "Hydrocarbon Fuel Consumption - Impact on Earth Systems," Robert Thompson Jr., Glendale Community College
- 11:30 - 12:00 "Energy Production and the Environment: A Slide Show," Brian Nordstrom, Embry-Riddle Aeronautical University
- 12:00 - 1:30 Lunch - on your own at nearby restaurants.
- 1:30 - 4:30 Workshop: "A Hitchhiker's Guide to General Chemistry," Dr. Henry A. Bent
Dr. Bent will present a number of demonstrations dealing with the triangle of fire, chemistry, and light. New approaches to topics such as molar mass and the mole concept will be discussed. Finally a philosophical look at General Chemistry will be taken including such topics as student commitment, the big picture, etc.
- Evening: Dinner with a group of your choice at a variety of Phoenix restaurants.