

# *ACS Guidelines for Chemistry in Two-Year College Programs: Making the Most of the Guidelines in Tough Times*

**John Clevenger**

Emeritus Professor  
Truckee Meadows Community College

184<sup>th</sup> Two-Year College Chemistry Consortium  
Conference

Salt Lake City, UT

# Symposium Objectives



- Introduce the new *ACS Guidelines for Chemistry in Two-Year College Programs*
- Develop strategies for
  - raising awareness
  - increasing use
  - leveraging impact

# History



- 1970 - Guidelines for Chemistry Programs in Two-Year Colleges - First Edition
- 1988 - Guidelines for Chemistry and Chemical Technology Programs in Two-Year Colleges
- 1991 - Establishment of the Chemical Technology Program Approval Service (CTPAS)
- 1997 - Guidelines for Chemistry Programs in Two-Year Colleges - Second Edition

# *ACS Guidelines for Chemistry Programs in Two-Year Colleges provide*



- A comprehensive model designed for a range of institutions
- A framework for reviewing two-year college chemistry programs
- Help in identifying areas of strength and opportunities for change
- Opportunity to leverage support from institutions, partners, and external agencies

## Society Committee on Education (SOCED) Task Force on the ACS *Guidelines for Chemistry Programs in Two-Year Colleges*

- **John Clevenger (Chair)**
  - Truckee Meadows Community College, NV
- **Dolores Aquino**
  - San Jacinto College Central, TX (CHED Committee on Chemistry at Two-Year Colleges)
- **Carlos Gutierrez**
  - California State University-Los Angeles (Committee on Professional Training)
- **Tom Higgins**
  - Harold Washington College, IL (Committee on Minority Affairs)
- **David Malik**
  - Indiana University Purdue University-Indianapolis
- **Doug Sawyer**
  - Scottsdale Community College, AZ
- **Uni Susskind**
  - Oakland Community College, MI (College Chemistry Consultants Service)

# Previous Members



- **Maureen Scharberg (Past Chair)**
  - San Jose State University, CA
- **Ed Kremer**
  - Kansas City Kansas Community College (CHED Committee on Chemistry at the Two-Year Colleges)
- **George Kriz**
  - Western Washington University
- **Linette Watkins**
  - Texas State University (Committee on Minority Affairs)

# Timeline for Third Edition



- Formed task force to consider revisions to the *ACS Guidelines for Chemistry Programs in Two-year Colleges* in Spring 2005
- Conducted an informal study in Fall 2005
- Solicited input on how best to align guidelines
- Solicited feedback on goals of revision in Winter 2007/08
- Solicited feedback on proposed changes in Spring 2008
- Solicited feedback on draft guidelines in Fall 2008
- Release new guidelines in Spring 2009

# Goals of the Revision



- Reflect changes in pedagogy, technology, accountability
- Facilitate student transfer
  - by aligning with the new *ACS Guidelines and Evaluation Procedures for Bachelor's Degree Programs*
  - by calling for communication with receiving institutions
- Provide a more useful resource for strengthening programs
  - by offering guidance for ongoing curricular change
  - by offering guidance for improving the working environment

# Exploring the Changes



- Name
- Organization
- Vision of excellence
  - Students
  - Faculty
  - Programs
- Increased emphasis on faculty development
- Supplements

# Organization



1. Goals of Guidelines
2. Institutional Environment
3. Faculty and Staff
4. Infrastructure
5. Curriculum
6. Student Research and Scholarly Activities
7. Development of Student Skills
8. Student Mentoring and Advising
9. Program Self-Evaluation and Assessment
10. Partnerships

# A Vision of Excellence



Guidelines are intended to:

- Stimulate faculty, departments and administrators by providing a vision of excellence in chemistry education for the first two years of college.
- Be used as a resource for self-evaluation and ongoing improvement of chemistry education in two year colleges.
- Serve as a call for collaborative action for all stakeholders to improve chemistry education in the first two years of college.

# Copresenters



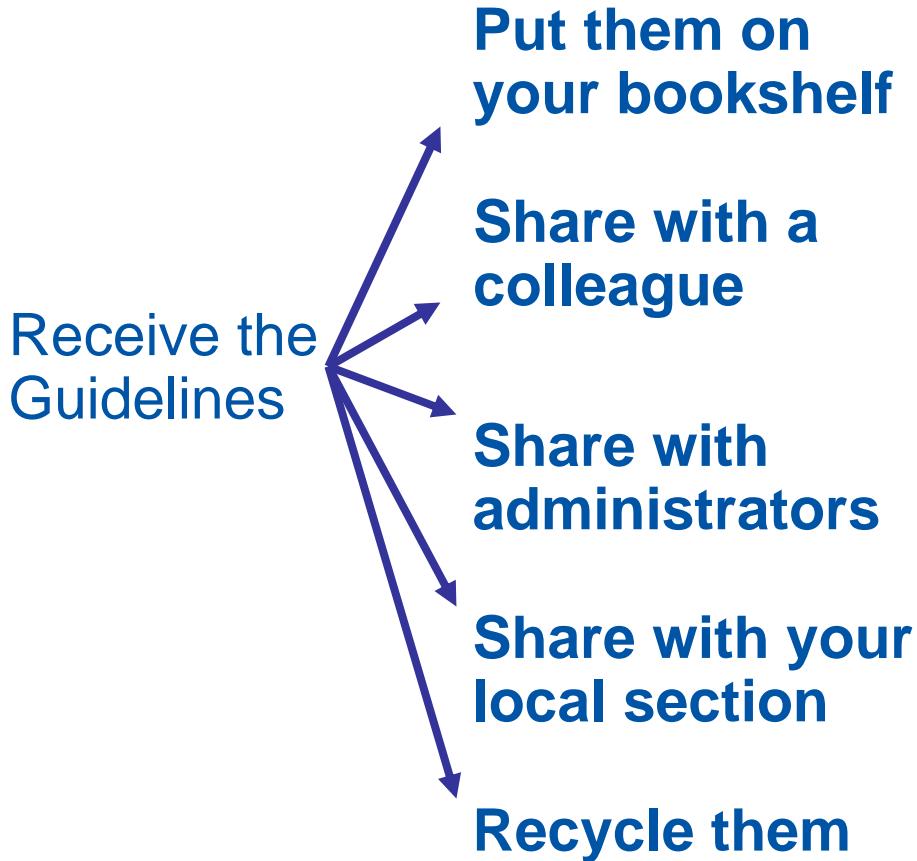
- **Dolores Aquino**
  - San Jacinto College Central, TX (CHED Committee on Chemistry at Two-Year Colleges)
- **Tom Higgins**
  - Harold Washington College, IL (Committee on Minority Affairs)
- **Doug Sawyer**
  - Scottsdale Community College, AZ (Society Committee on Education)

# Extending the Impact

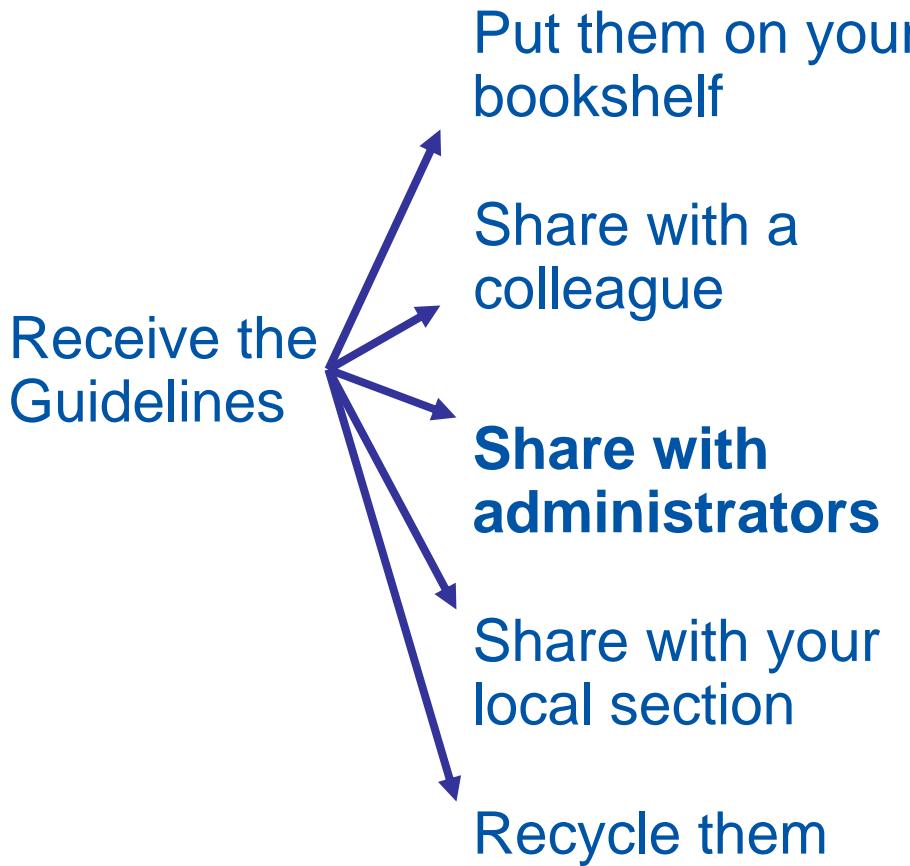


**Receive the  
Guidelines**

# Extending the Impact



# Extending the Impact



# Role Playing Debrief



Went well

Do differently

# Extending the Impact



# Organization



1. Goals of Guidelines
2. Institutional Environment
3. Faculty and Staff
4. Infrastructure
5. Curriculum
6. Student Research and Scholarly Activities
7. Development of Student Skills
8. Student Mentoring and Advising
9. Program Self-Evaluation and Assessment
10. Partnerships

# We Want Your Feedback!



- Pick a section of the Guidelines
- Assemble into small groups
- In your group
  - Pick a time keeper and scribe
  - Use the handout to develop a strategy to leverage the guidelines.
- How can you leverage the *ACS Guidelines for Chemistry Programs in Two-Year Colleges*?



# Thank You!

Additional thoughts, questions and suggestions  
can be sent to:

[CommCollChem@acs.org](mailto:CommCollChem@acs.org)