

MEETING MINUTES

DRAFT

**Committee on Chemical Safety
234th ACS National Meeting
Boston, MA.**

**Combined Open Meeting and Executive Session
Monday, August 20, 2007 – 8:30 AM to 12:00 PM
Hilton Back Bay Hotel
Adams A/B Room**

CCS Mission Statement: The Committee on Chemical Safety has as its prime responsibility the encouragement of safe practices in chemical activities. The committee serves as a resource to the chemical professional in providing advice and counsel on the handling of chemicals, and seeks to ensure safe facilities, designs, and operations by calling attention to potential hazards and stimulating education in safe chemical practices. The Committee also provides advice to other ACS units on matters related to chemical safety and health.

The following Committee members, associates, consultants, and liaisons attended all or part of the meeting: Dr. Joseph Antonucci, Dr. Patrick Barber, Dr. Lawrence Barton, Dr. W. H. Jack Breazeale, Dr. Lester Bynum, Dr. Mark Cesa, Dr. David Crumrine, Dr. Laurence Doemeny, Dr. Kenneth Fivizzani, Ms. Barbara Foster, Mr. Robert Gates, Dr. Alan Hazari, Dr. Robert Hill, Ms. Arleen Hitchcock, Ms. Elizabeth Howson, Mr. George Lechner, Mr. Russell Phifer, Dr. Patricia Redden, Dr. Robert Rich, Ms. Patricia Schumann, Mr. Erik Talley, Dr. Douglas Walters, and Dr. Wayne Wolsey.

Guests who were present for all or part of the meeting included Jean Delfiner, Jay Young, and Elaine Diggs.

1. Approval of Minutes

CCS02-2007 - The Committee VOTED unanimously to approve the minutes of the March 26, 2007 Chicago, IL meeting.

2. Chair's Report – Dr. Al Hazari

Appointments :

- Ms. Elizabeth Ann Howson, Resources Subcommittee
- Dr. Mark Cesa, Partnerships Subcommittee
- George Lechner, Safe Practices Subcommittee

1. Following the ACS - Chicago Council meeting, Dr. Hazari met with Dr. Mamoun Bader to discuss the upcoming translation of SACL into Arabic.

On Tuesday, August 21, 2007, Drs. Bader and Hazari will be co-presenting a paper on the Arabic translation of SACL at the ACS - Boston DCHAS Technical Program.

2. Other presentations by Dr. Hazari :

A. Talk (*Are YOU practicing Safe Chemistry ?*) at Chem Ed Conference, University of North Texas, Denton, TX in July 2007.

B. Talk (*Are YOU practicing Safe Chemistry ?*) at ACS - Boston CHAS Technical Program

C. Talk (*Teaching With Safety*) at the annual Tennessee Science Teachers Association (TSTA) meeting in Nashville in November 2007. , This was in conjunction with the "Celebrate Chemistry @ TSTA Day."

Dr. Hazari would like to thank all CCS members but especially his predecessor, CCS chair, Ken Fivizzani, former CCS Liaison, the late Larry Funke and Bob Rich, the current ACS - CCS Liaison for making Dr. Hazari's three-year tenure as CCS chair smooth, fruitful and rewarding.

3. Staff Liaison's Report – Dr. Robert Rich

- A. Dr. Rich reported on the sales and inventory of various Committee publications.
- B. Dr. Rich presented an update on interim actions on behalf of the committee.
- C. Dr. Rich announced effective August 27, 2007 the ACS has appointed Ms. Elaine Diggs to be the new CCS Staff Liaison. He thanked the Committee for everything that they do.

4. Reports of the Subcommittees and Task Forces

A. Partnerships – Dr. Ken Fivizzani

Subcommittee member attendees: Joseph Antonucci, Patrick Barber, Mark Cesa, Kenneth Fivizzani, Robert Gates, Erik Talley, and Wayne Wolsey.

Other attendees: Bob Rich (ACS Staff), Alan Hazari (CCS Chair), Jean Delfiner.

OSHA/Research Chemicals Hazards Management Alliance: the new agreement has been drafted and once OSHA approves the formal agreement, a signing ceremony will be scheduled.

CCS's inquiry about getting publicity for the Spanish version of SACL had resulted in Bradley Miller attending the Partnerships Subcommittee meeting in Chicago. Brad has since been named head of ACS International Affairs. Ingrid Montes is willing to get involved in publicity for SACL. Ingrid is the General Chair of one of the meetings we discussed with Brad in Chicago, SERMACS 2009, October 21-24. A deadline is approaching for requesting a room for events or space in the exposition. We need to communicate to her if we want to have a table for this. We will ask CHAS if they have an interest in doing some activity at SERMACS 2009.

Pat Barber mentioned that CEPA was told that ACS is going to redo the website on September 30. Bob Rich was very familiar with this topic. He said there will be a display in the Expo about the new ACS website. Our CCS page should not change other than the route of access.

Chemical Safety Manual for Small Businesses, 3rd Edition – Ken reported that he has completed review of a third set of questions and comments from the contract editor. Those responses have been incorporated into the draft, and the draft should be ready for the booklet designer.

Erik reported that the American Biological Safety Association has proposed to form an alliance with CHAS. They meet yearly in October, this year in Nashville. Regarding our request to the Division of Nuclear Chemistry for comments on radiation safety discussions in SACL, Wayne reported that no comments had been received. The Division of Nuclear Chemistry has agreed to review the radioactive section, but there is not clear responsibility for doing this. The Committee on Community Activities agreed to send alliance safety information to NCW coordinators. Because the alliance is currently awaiting renewal, CCS sent the Safety for Introductory Chemistry Students one-page flyer, the new safety wristbands, and order forms for CCS materials to the NCW coordinators. Jean reported that the American Federation of Teachers did a search of state guidelines for safety in science courses. Erik will post this search on our website. The theme of NCW this year is *The Many Faces of Chemistry*.

Representatives of our Laboratory Environment, Health & Safety Task Force met with Department of Homeland Security (DHS) to discuss chemicals on Appendix A; DHS was interested in implementing substitutions for materials on the list. DHS published proposed regulation for chemical facilities, including Appendix A. They received over 4000 comments from several groups. DHS is planning to issue the final version of Appendix A in the near future. It may be worthwhile to continue looking for opportunities to work with DHS on these issues.

B. Resources – Dr. David Crumrine

Present: David Crumrine; Laurence Doemeny; Betty Ann Howsom; Patricia Redden; and Patricia Schuman. Visitors during the meeting included Alan Hazari (CCS Chair) and Robert Rich (ACS Staff Liaison).

Minutes of the 24 March 2007 meeting in Chicago were reviewed and approved as distributed.

Patricia Redden presented the fourth draft of her excellent Eye Protection PowerPoint Presentation. This is nearly complete, but, during the discussion after the presentation, a few suggestions were offered by committee members. Patricia Redden also presented an initial version of the ‘Safety Rules’ which she is developing in conjunction with David Katz and the Task Force that was appointed in San Francisco. This is the first part of the larger safety project that could ultimately replace the current ACS Video ‘Starting with Safety.’ Please submit all comments on the Committee’s eye protection video and general safety rules to Dr. Redden as soon as possible.

CCS03-2007 - The Committee VOTED unanimously to approve the distribution of the eye protection video.

Two presentations by Charles Kingsbury of U. of Nebraska that were developed for HS and Organic labs were also mentioned. The best method for distribution of the new resources and the need for ACS legal review were discussed when Robert Rich visited.

Laurence Doemeny talked about the AAAS website that discusses various science careers that he, as a AAAS member, has been watching. He suggested that we should consider using this information as part of a program for developing recruiting materials promoting careers as safety professionals.

David Crumrine suggested that developing and offering online preliminary spreadsheets of chemicals for organic, inorganic, and biochemists could help faculty and smaller research labs complete their laboratory chemical inventories. The OSHA Alliance and Flinn Scientific may already have similar products. Since there was positive response to this idea, he will check out those products and either explore how to link to these products or develop two or three of these lists for the next meeting.

C. Safe Practices – Mr. Russ Phifer

Present: Russ Phifer, Chair; Barbara Foster, Bob Hill, Doug Walters, Lester Bynum, Harry Elston, and George Lechner.

The subcommittee completed a checklist version of the Security Vulnerability Analysis for Academic and Small Chemical Laboratory Facilities at the prior meeting in Chicago. Feedback from outside academic facilities indicated a change in the formatting was appropriate. As a result, the points were changed from questions to statements, with

answers in a form of “desirability.” The subcommittee approved the format changes and are ready to report back to the full CCS.

The subcommittee began, and then tabled, discussion on an outline of a proposed booklet entitled *Managing Chemical Wastes from High School Laboratories*. This was intended to be a guideline for schools that don’t know “where to start” when it comes to effectively managing their surplus chemicals and wastes. It was determined, however, that the US EPA has recently come out with a booklet with the exact same objectives. This resulted in a change of direction, to developing a list of chemicals which should not be in high school chemistry laboratories or storerooms. The name was changed to reference “science laboratories” instead of “chemistry laboratories.” A draft copy of the list was reviewed at the meeting, and some changes have been made to the list since then based on suggestions from subcommittee members. Due to the proposed “fast track” DHS regulation, it may be appropriate to add all chemicals with an “any amount” screening threshold quantity to the list of chemicals to avoid. This would presumably be of value to schools who do not want to deal with reporting their storage of these chemicals to DHS. It may also help them avoid time-consuming and expensive planning associated with complying with this regulation. The subcommittee re-evaluated it’s list during it’s meeting in Boston, adding a few chemicals from the DHS Chemicals of Concern list. After soliciting members’ comments, Mr. Phifer will revise the introduction to the list. With regard to distribution of this document, Dr. Rich suggested that we present the completed list to the Division of Chemical Education for distribution to teachers.

The subcommittee continues to monitor nanomaterial safety information. CCS and the Division of Chemical Health and Safety are establishing liaisons with other groups interested in this topic.

D. Laboratory Environment, Health & Safety – Mr. Erik Talley and Mr. Russ Phifer

Mr. Talley presented a report on the Lab EHS Task Force and an update on the publication “Laboratory Waste Management.” Additionally, he discussed Appendix A of the DHS Proposed Chemical Facility Anti-Terrorism Standards.

5. Web Site Update – Mr. Erik Talley

The following changes were made to the ACS Committee on Chemical Safety (CCS) website since the Spring 2007 meeting:

- Fall 2007 National Meeting CCS Sponsored Workshop “CHEMICAL REACTIVITY HAZARDS: Laboratory Scale Recognition & Control” workshop information
- Department of Homeland Security Chemical Facility Anti-Terrorism Standards Lab EHS Task Force Comments
- Security Vulnerability Checklist For Academic and Small Chemical Laboratory Facilities
- Fall 2006 National Meeting committee and subcommittee minutes added
- External links updated
- Committee membership updated
- Links to the ACS Store were updated

A review of other sites linked to the CCS site found 409 web pages linked to <http://membership.acs.org/c/ccs> pages (decrease from 417 links reported at the Spring 2007 meeting) and 44 pages linked to <http://chemistry.org/committees/ccs> (increase from 31 links reported at the Spring 2007 meeting).

Please forward ideas or additional materials to be placed on the website to ert2002@med.cornell.edu.

6. Reports of CCS Liaisons

A. Report of National Registry of Certified Chemists (NRCC) – Dr. Bob Alaimo

Mr. Phifer reported that the exam was given at the Boston meeting.

Dr. Walters reported that there are currently 166 CHOs in the NRCC.

B. Report of American Industrial Hygiene Association (AIHA) – Dr. Doug Walters

The last meeting was in Philadelphia in June and was quite successful with 8000 attendees. The next meeting will be in Minneapolis, MN, in June 2008.

C. ACS Division of Chemical Health and Safety – Dr. Robert Hill

Attending:

Barbara Foster (Chair), Ralph Stuart (Secretary), Maryann Solstad, Eileen Segal, Larry Doemeny, Stefan Wawzyniecki, Kim Jeskie, Debbie Decker, Frankie Wood-Black, Neal Langerman, Doug Walters, Bob Hill, Eric Talley, Russ Phifer, Ken Fivizzani, Harry Elston, and Jay Young.

CHAS conducted an electronic voting – it was exceptionally successful. Around 350 CHAS members voted – many more than the 230 that used the paper ballot in the last election. The results were:

Eric Talley was elected 2008 Chair.

Russ Phifer was elected as Chair-Elect.

Ken Fivizzani and Pat Ceas were elected Members-at-Large.

George Wahl was elected ACS Councilor for 2008-2010.

Larry Doemeny was elected alternate ACS Councilor for 2008-2010.

Special Question: Shall the length of a term of office for the Chair be changed to 2 years – passed 233 to 119.

The American Biological Safety Association has asked to partner with CHAS. CHAS will do this, but they need to identify a liaison (suggested Debbie Decker). Young Chemists Committee asked for a liaison from CHAS – Stefan Wawzyniecki volunteered. The Committee on Nomenclature liaison will be George Wahl. The Committee on Professional Training has asked for a liaison – Barbara Foster will attend to learn more about this. CHAS wants to know more about how CPT judges the safety portion of the evaluation process. The National Institute for Occupational Safety and Health has requested a liaison with CHAS – Eric Talley volunteered. Larry Doemeny also expressed interest in this.

Treasurer's report: Vendor for electronic voting was paid.

Eric Talley provided input to Department of Homeland Security on new Chemical Security regulations. He will be reaching out to get new members – interest in setting up a videoconference on "Safety in Nanotechnology".

Motion to thank Eileen Segal for serving as a Councilor for the last 15 years was passed.

Awards Committee Chair Doug Walters announced the Award travel stipend is only \$500 which is not enough to cover most travel expenses. A proposal was made that the Awards Chair will be negotiate with each award winner to accommodate receipt of the award – Larry Doemeny and Doug Walters will work out the final wording. The Chair will take care of applying for the NIOSH annual award. Forward any nominations for awards to Doug Walters, including CHAS fellows.

Larry Doemeny reported on the Strategic Planning Process and Present Status. He presented several options for logos and tag lines – to be selected later. These are listed on the WIKI and he solicits comments.

Vision: The ACS Division of Chemical Health and Safety will be a leading provider of information and services to promote the safe use of chemicals and safe work practices.

Mission: The ACS Division of Chemical Health and Safety provides expertise in laboratory safety and chemical management and safe chemical work practices to the Society and to the general public.

A motion was made to adopt newly developed Vision and Mission Statements – these were accepted. CHAS members are encouraged to visit the WIKI to provide input for goals and action items.

Kim Jeskie provided a membership report: currently 1491 members with a target of 1600 members. She has developed a questionnaire for new members or lost members.

Russ Phifer reported on workshops at National meetings and several regional meetings.

Programming is established for New Orleans and will be finalized this programming session. Philadelphia meeting is being planned and interest in process safety is going to be solicited. Succession planning for programming is needed.

Doug Walters volunteered to be the liaison to the ACS Committee on International Affairs. He and Larry Keith have established the Environmental and Chemical Safety Education Institute – see the website www.ChemistsHelpingChemists.org.

Bob Hill reported on CCS Activities from Chicago meeting.

Harry Elston reported on some pipeline issues with the Journal of Chemical Health and Safety. He solicits additional submissions.

Dr. Hill inquired if the Monday morning CCS meeting could be changed to Saturday afternoon to avoid a scheduling conflict with CHAS symposia. Dr. Rich will submit a request to the ACS that CCS and CHAS meetings be held in the same hotel. It was suggested that the CCS meeting be held on Sunday afternoons.

CCS04-2007 - The Committee VOTED unanimously to change the time of the CCS meeting from Monday mornings to Sunday afternoon from 1:00-4:30pm, beginning with the April 2008 New Orleans meeting.

Ms. Foster encouraged CCS members to join CHAS, attend CHAS Executive Committee meetings, and become active in the CHAS leadership.

D. Committee on Community Activities – Wayne Wolsey

The Committee on Chemical Safety (CCS) has had a long working relationship with CCA, especially in the joint preparation of safety guidelines for National Chemistry Week, guidelines for chemical demonstrations, and annual review of experimental protocols.

The ACS asked the CCS to be the active participants in a joint venture with OSHA, the Chemical Reactivity Hazards Management Alliance. The Alliance is chiefly a joint outreach/communications endeavor to educate those in the workplace on potential issues involving reactive chemicals regarding safety and health. A major focus is accident avoidance. ACS desires to spread information about the Alliance to members and the public at the local level.

PROPOSAL: The CCA is asked to help promote the Chemical Reactivity Hazards Management Alliance by including information on the Alliance to the ACS Local Sections along with materials distributed for National Chemistry Week.

The above proposal was introduced as a formal motion and received a positive vote by CCA.

The CCS is appreciative of the support given by CCA on this issue and looks forward to a continuing productive relationship.

ADDENDUM.—July 15, 2007

Since the Chemical Reactive Hazards Management Alliance was in the process of being renewed, it was deemed that info on that issue was not ready for dissemination. Consequently, some CCS items were sent for distribution to the National Chemistry Week Coordinators of each ACS Local Section: the trifold safety summary from SACL, a CCS “bracelet,” and an order form for copies of all CCS publications. Kudos to Bob Rich for facilitating the organization of the materials.

E. Committee on Chemists with Disabilities – Dr. Bob Gates

Mr. Gates reviewed the eye protection presentation and commended the subcommittee for an excellent product.

7. Old Business

Revised Intellectual Property Agreement between ACS and Committee Volunteers

Dr. Rich reviewed the history of the IP Agreement. A working group was convened (Mr. Phifer, Dr. Hazari, Dr. Elston, Dr. Doemeny, and Dr. Rich) to revise the document.

Attorney: The goal is protect ACS, to protect CCS members from any ambiguities, that the ACS can publish our efforts, but yet consultants still have the right to use CCS work products in their own businesses. In the event that a member quits the committee, the agreement would still be in place for the materials that the member helped to create. Does ACS acquire liability? Yes, ACS has already assumed liability for CCS publications.

CCS05-2007 - The Committee VOTED to postpone the IP Agreement issue until the next meeting. Members are encouraged to present the document to their employers to determine who is legally authorized to sign the document.

Dr. Rich discussed the ACS new alliance with OSHA on “[Process Safety](#)”
He asked for volunteers to participate on the implementation team. The meetings will be held in Washington, DC, but team members can participate via conference call.
Dr. Antonucci volunteered to participate.

[Alliance booth in Chicago](#) – Consideration of future joint publicity efforts
The total cost of an Exposition booth with give aways is approximately \$5000-6000.
Members discussed the pros and cons of continuing to have a booth at the Exposition.
It was proposed that CCS partner with CHAS and share a booth in Philadelphia. Dr. Hill will contact the CHAS Executive Committee to inquire if there is interest in sharing a booth in Philadelphia.

8. New Business

ACS Policy Development and Advocacy Efforts

New “Think Safety!” bracelets – [promotion and publicity](#)

Members were encouraged to tell colleagues, including high school science teachers, about the bracelets. It was suggested to include an article on the bracelets in “Cut & Paste” and local section newsletters, to give as gifts at awards programs, to wear during laboratory sessions.

All committees and councilors have been asked to think about the Strategic Plan and the six goals contained therein. strategicplan@acs.org

Information Items

Next Planned Meeting of the Committee: Sunday, April 6, 2008 – 1:00PM to 4:30PM in New Orleans, LA.

Meeting adjourned at 11:55pm.