

ACS COMMITTEE ON CHEMICAL SAFETY (CCS)

DRAFT (pending Committee approval) MINUTES OF MEETING

August 19, 2002

Combined Open and Executive Session Sheraton Hotel Boston, Massachusetts

Dr. Ken Fivizzani, Chair of the Committee, called the Fall 2002 meeting of the ACS Committee on Chemical Safety to order at 8:40 AM on August 19, 2002. The following Committee members, associates, consultants, and liaisons attended all or part of the meeting:

Dr. Cherlynlavaugn Bradley, Dr. Jack Breazeale, Jr., Dr. Ann Brown, Dr. Michael Cournoyer, Ms. Jean Delfiner, Dr. Kevin Edgar, Dr. Ken Fivizzani (Chair), Ms. Barbara Foster, Dr. Alan Hazari, Dr. Arthur Marcinkowsky, Dr. Dan McDonald, Mr. Russell Phifer, Dr. Paul Schickedantz, Dr. Diane Schmidt, Dr. Ellen Burns, Ms. Eileen Segal, Dr. Herb Silber (ConC liaison), Mr. Erik Talley, Dr. Rubye Torrey, Dr. Douglas Walters, Dr. Wayne Wolsey, and Dr. Jay Young.

ACS staff and governance present for all or part of the meeting included Dr. Lawrence A. Funke (CCS staff liaison) and Mr. Ray Garant (staff liaison, Committee on Environmental Improvement). Dr. Nina McClelland (Chair, ACS Board of Directors) attended as a special guest of the Committee. Ms. Deborah Kilmartin, Dr. Jim Kaufman, Dr. Lou DiBerardinis, Dr. Warren Smith (former CCS Chair), Dr. John Palmer (DivCHAS Chair), Dr. Larry Doemeny, Dr. Stanley Pine (former CCS Chair), Dr. Judy Summers Gates, and Dr. Robert Gates also attended as guests.

Dr. McClelland spoke briefly regarding ACS's commitment to furthering its relationship with allied professions. She mentioned that ACS is chartered by the U.S. Congress, and charged with providing assistance on chemical issues. Dr. McClelland noted that CCS is one of the most important Council committees, and in times of chemical warfare emergencies, ACS is a primary source of information to Congress, making CCS even more important. Committee members should get involved in the legislative action network and look for other opportunities to work with the ACS Office of Government and Legislative Affairs (OLGA). Dr. McClelland also described some of the travel she has made to establish international and national partnerships.

Dr. Silber and Dr. McClelland both stressed that members, consultants, and associates should advise ConC, the CCS chair, or CCS liaison of potential committee members.

1. Approval of Minutes

Following introduction of members and guests, the minutes of the April 9, 2002 meeting were reviewed, and approved as submitted.

CCS4-02 - The Committee VOTED unanimously to approve the minutes of the April 9, 2002 meeting.

2. Chair's Report

Dr. Fivizzani introduced Dr. Judy Summers Gates, who discussed the Committee on Chemists With Disabilities' (CWD) efforts to educate chemists regarding this issue. Ken also noted the need for volunteers in several areas, including a joint effort with DivCHAS to establish a task force encouraging inclusion of safety into academic curricula. Barbara Foster, Alan Hazari, and Rubye Torrey have volunteered to serve on this group. Volunteers have also been requested to comment on the ANSI Z400.1-1998, which refers to the preparation of Material Safety Data Sheets; Michael Cournoyer volunteered. Ken referred meeting attendees to the NIOSH Draft policy statement on Contact Lens Use in a Chemical Environment; volunteers are needed to comment on this. Eileen Segal, Russ Phifer, and Rubye Torrey agreed to form a review team.

Dr. Marcinkowsky distributed pins honoring the 75th anniversary of the Kanawha Section, and noted there are several other sections also celebrating anniversaries.

3. Staff Liaison's Report

Dr. Funke noted the good attendance at the meeting. The agenda book included a copy of the CCS report for the Orlando meeting sent to *Chemical & Engineering News*. He also mentioned that a variety of information requests have been received and these have generally been referred to Committee members by email for comment or action. Dr. Funke noted that *Developing a Chemical Hygiene Plan*, an ACS publication that was thought to be out of print, is now available from Oxford University Press.

4. Reports of CCS Liaisons

- **Report from the CEI/CCS Task Force on Laboratory Environment Health and Safety (EH&S) – Mr. Russell Phifer**

The Task Force is currently being reorganized; a number of long time members are no longer on the Task Force. At least three new members will be added prior to the next meeting in November.

The Task Force White Paper, covering a variety of issues, has been revised; the subcommittee on Safe Practices reviewed the document and suggested several administrative changes. Mr. Phifer, on behalf of the subcommittee, MOVED the following, which was approved unanimously:

CCS5-02 - The Committee endorses the comments of Safe Practices Subcommittee on the revised EHS Task Force White Paper and recommends it be returned to the Task Force for final review prior to submittal to the Board of Directors for approval.

- **ACS Division of Chemical Health and Safety (DivCHAS) - Ms. Eileen Segal**

Ms. Segal reported the following items of interest for the Division:

- Dr. Robert Hill, Jr., is the chair for 2003.
- Dr. Neal Langerman is chair-elect.
- Dr. George Wahl, Jr., is organizer of *Teaching Safety in High Schools, Colleges, and Universities*, a free on-line conference in October/November. There are 700 advanced registrants at this time. A follow-up conference is planned for New Orleans.
- Dr. John Howard has been named the new director of NIOSH.
- NIOSH has named a building after Alice Hamilton, well known in the field of safety, and the Post Office has an Alice Hamilton stamp.
- A task force has been set up to incorporate safety curricula in college/university science programs.
- Nominations are being solicited for the Howard Fawcett and Tillmanns/Skolnick Awards, as well as the College and University Health and Safety Award.
- DivCHAS has a new display table for setup outside its programming room.
- The magazine, *Chemical Health & Safety*, is taking ads as small as a business card.
- Ralph Stuart is the new webmaster of the CHAS website, replacing Erik Talley.
- Named as CHAS Fellows are Robert Alaimo, Russ Phifer, Steve Sichak, and Mary Ann Solstad, all known to CCS.

- **American Industrial Hygiene Association (AIHA) - Dr. Douglas Walters**

Dr. Walters submitted a written report, and noted the importance in AIHA of forging partnerships, particularly with ACS. The next AIHA meeting will be in Dallas.

- **Committee on Environmental Improvement (CEI) – Mr. Ray Garant, Ms. Deborah Kilmartin**

Mr. Garant noted the Board of Directors draft statement on Homeland Security R&D. He asked that comments should be sent to him as quickly as possible, since the Board of Directors will be finalizing this document within the next two weeks. Also discussed was the status of the U.S. Senate Bill on Chemical Plant Site Security; a task force is being formed with CEI, CCS, and CCA to address this issue, and volunteers are needed. Kevin Edgar and Ellen Burns agreed to serve on the Task Force.

- **National Chemistry Week (NCW) - Dr. Jack Breazeale**

Dr. Breazeale noted that NCW is scheduled for October 20-26th this year. “Chemistry Keeps Us Clean” is the theme. The NCW Safety guidelines are available this year to anyone presenting a program. “Celebrating Chemistry: Earth’s Atmosphere and Beyond” is the theme for the 2003 program. All NCW information is available on the chemistry.org website.

5. Reports of the Subcommittees

A. Safe Practices - Mr. Russell Phifer

A written report was distributed to attendees. The subcommittee reviewed a policy statement prepared by Dr. Cournoyer on solvent distillation - *Recommendations for the Use of Alternative Drying Purification Techniques*. Mr. Phifer, on behalf of the subcommittee, MOVED the following, which was approved unanimously:

CCS6-02 - The Committee endorses the policy guideline on alternative drying purification techniques developed by the Safe Practices Subcommittee.

The guideline reads:

“The ACS Committee on Chemical Safety recommends that laboratory personnel performing solvent purification procedures consider the use of alternative purification techniques such as column methods or the use of commercially prepared high purity solvents instead of distillation procedures. These alternative methods have been shown to represent, in many cases, attractive risk-based and cost-effective methods when compared with traditional solvent distillation techniques.”

Draft copies of *Managing Mercury Spills* were distributed and are to be reviewed by members, with comments to Mr. Phifer by October 1. The subcommittee also reviewed and revised the Task Force on Laboratory Environmental Health & Safety White Paper, as noted previously in these minutes.

B. Resources - Dr. Daniel McDonald

A written report was distributed to attendees. The subcommittee discussed the draft version of the pocket safety guide for introductory chemistry students. There was some discussion in the full committee meeting regarding terminology - specifically as it relates to the use of goggles. Several comments were presented regarding the definition of chemical splash goggles versus other types of goggles. Additional discussion centered on the difficulties of getting students to wear proper clothing. The document will undergo continued revision prior to resubmission to the subcommittee.

C. Partnerships - Dr. Kevin J. Edgar

A written report was distributed to attendees. The subcommittee identified some of the groups with which it hopes to partner; these include Chemists with Disabilities (CWD), Committee on Corporation Associates (CCA), Committee on Environmental Improvement (CEI), the Division of Chemical Toxicology, Division of Chemical Health & Safety, and the Division of Small Chemical Businesses.

The subcommittee also had a discussion on how CCS might increase its focus on industrial safety; much of the committee's efforts are aimed at academic settings. The feeling was CCS could work with American Institute of Chemical Engineers (AIChE) and the American

Chemistry Council (ACC) to a greater extent, particularly in respect to disseminating safety information. Volunteers were selected to approach a number of organizations prior to the next meeting to suggest information exchange. Other potential target groups were identified during general discussion in the full committee meeting.

Dr. Bradley brought up the need for safety literature for Project SEED mentors and students. Dr. Edgar, on behalf of the subcommittee, MOVED the following, which was approved unanimously:

CCS7-02 - The Committee on Chemical Safety will provide one copy of SACL to each mentor/student pair in the 2003 Project SEED summer program.

6. Website Update - Mr. Erik Talley

As previously noted, the URL for access is <http://chemistry.org/committees/ccs>. Mr. Talley noted additional pages and links that have been added since the meeting in Orlando. These include pages on latex allergies, symposium announcements, meeting minutes, and a page of additional external links. There was some discussion regarding CCS "policy statements"; it may be necessary to change the reference to "recommendations" or "guidelines".

7. Old Business

- **Task Force on Publicizing Activities and Publications – Dr. Alan Hazari**

The final report of the task force was included in the agenda book.

8. NEW BUSINESS

Doug Walters has been appointed as the official ACS representative to the American Standards National Institute Z9.5 Laboratory Ventilation Subcommittee. Doug presented an overview of the lab ventilation standard. He discussed the various relevant ACGIH, NFPA, NSF, ASHRAE, NRC, IMC, and OSHA requirements. He believes the ANSI standard is well prepared, particularly in respect to requirements versus recommendations. The standard covers scope, purpose, and application; laboratory ventilation management programs; laboratory chemical hoods; other containment devices; laboratory ventilation systems design; performance tests; work practices; preventive maintenance; air cleaning; special laboratory areas; and appendices. Miscellaneous topics include automatic sash closers, ductless hoods, directional airflow, diversity, manifolds, and recirculation of room exhaust air. A number of record keeping reports and logs are included in the standard. The standard is expected to be released later this year.

Dr. Stan Pine, representing the Society Committee on Education (SOCED), discussed the prevalence of news articles and releases regarding school safety and the dangers of hands-on experiments. SOCED is forming a group with the Division on Chemical Education (CHED) and CCS to coordinate and enhance ACS efforts to address safety in schools. Alan Hazari, Rubye Torrey, Jean Delfiner, and Dan McDonald volunteered to work with SOCED on this issue.

Dr. Fivizzani thanked Ann Brown and Kevin Edgar for their service to the committee. Their terms are expiring at the end of 2002.

The meeting was adjourned at 11:56 AM.

Minutes prepared by Russ Phifer and Larry Funke