

AMERICAN CHEMICAL SOCIETY  
JOINT BOARD-COUNCIL COMMITTEE ON CHEMICAL SAFETY  
231<sup>st</sup> ACS National Meeting

Atlanta, GA

Combined Open Meeting and Executive Session  
Monday, March 27, 2006 – 8:30 AM to 12:00 PM  
(Preceded by executive session breakfast at 7:45 AM)

Westin Peachtree Plaza Hotel  
Augusta I

MINUTES OF MEETING

Dr. Alan Hazari, Committee Chair, called the Spring 2006 meeting of the Committee on Chemical Safety to order at 8:35 AM on March 27, 2006. Committee members paused to remember former committee member Dr. Paul Schickedantz. *{Paul David Schickedantz, 74, died Wednesday, Aug. 24, 2005, at his residence. He was the husband of Mary Fran Schickedantz, former AAUW NC president and member of Greensboro. Dr. Schickedantz was born in Columbus, Ohio, and lived in Greensboro, North Carolina since 1967. He graduated from Oberlin College and received a Ph.D. from Ohio State University. He retired from Lorillard Tobacco Company as a research chemist in 1998 following 32 years of service. He was an active member of St. Francis Episcopal Church, 50-year member of American Chemical Society, member of Sigma Xi, member of Leadership Greensboro Senior Class of 2001 and coached in the Senior NET Program.}*

Dr. Hazari recognized new members Dr. Scott Goode, Dr. Patricia Schumann, Mrs. Arleen Hitchcock, Mr. Steve Sichak, and Mr. Wayne Collins.

The following Committee members, associates, consultants, and liaisons attended all or part of the meeting:

Dr. Alan Hazari, Ms. Barbara Foster, Dr. Joseph Antonucci, Dr. Lester Bynum, Dr. David Crumrine, Ms. Jean Delfiner, Dr. Laurence Doemeny, Dr. Kenneth Fivizzani, Mrs. Arleen Hitchcock, Dr. Daniel McDonald, Mr. Russell Phifer, Dr. Rubye Torrey, Dr. Wayne Wolsey, Dr. Robert Alaimo, Dr. Scott Goode, Mr. James Kapin, Ms. Marsha Phillips, Ms. Patricia Schumann, Dr. Harry Elston, Mr. Stephen Sichak, Dr. Lawrence Barton, Dr. W.H. (Jack) Breazeale, Mr. Robert Gates, Dr. Robert Rich, and Ms. Eileen Segal.

Guests who were present for all or part of the meeting included David Carter, Permian Basin Section, TX and Mark Cesa, Chicago Section.

1. **Minutes of August 29, 2005 Combined Open Meeting and Executive Session**

Following a formal introduction of members and guests, the minutes of the August 29, 2005 Washington, DC, meeting were reviewed and approved, as amended.

**CCS01-2006 - The Committee VOTED unanimously to approve, as amended, the minutes of the August 29, 2005 Washington, DC, meeting.**

## 2. Chair's Report – Dr. Al Hazari

- ◆ Welcome to members and guests
- ◆ A Day of Chemistry at NSTA-Nashville : *Teaching Chemical Safety*  
Presented an hour long talk for 50 educators at this meeting.
- ◆ Undergraduate Program : *The Safety of Chemistry (and Your Demonstrations)*  
Dr. Hazari and Dr. Breazeale presented several chemistry demonstrations and discussed safety at this event, which was attended by ~250 persons. This event was cosponsored by the CCS and the Division of Chemical Health and Safety. Committee members discussed the value of this event and discussed potential publicity of this event.
- ◆ Update to *Guidelines for the Teaching of High School Chemistry*  
Dr. Hazari was asked to serve on a Task Force, details on page 20, and comment on guidelines, pp. 21-34. This is the initial step in a process that will take about one year. Dr. Hazari asked all members to review the guidelines and send comments to him within one month.
- ◆ Copy of written report to Board and Council, p. 37.

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

### A. Report on Distribution of Committee Publications

1. Inventory and sales reports are under Tab 3 of the Agenda Book.
2. On page 38, our inventory is listed for each publication. Since the compilation of these figures, we've had several big orders. The new balance of SACL Volume 1 is 1841, and 289 packages of the introductory safety brochure. We'll probably need to reprint these before the year is out. All of the rest of the inventories are about the same as listed in the book.
3. Our 2005 sales are listed on page 39 and on page 40, our January sales are listed. Quantity sold is the number of books; amount sold is the actual dollar value received for that title.
4. In February, we inherited "The ACS Guide for Chemical Spill Response Planning in Laboratories" from the Office of Legislative and Government Affairs. They have been added to our inventory and to our Web site, with thanks to Erik. Dr. Rich distributed copies of this booklet to committee members.

### B. OSHA Reactive Chemical Hazards Alliance

1. On January 5, ACS Past President Bill Carroll officially signed on to the Occupational Safety and Health Administration's "Reactive Chemical Hazards Alliance." A copy of the alliance agreement is on page 42 of the Agenda Book. This group of OSHA, Dept. of Labor, EPA, ACC, the Center for Chemical Process Safety, The Chlorine Institute, the Mary Kay O'Connor Process Safety Center, the National Association of Chemical Distributors, and SOCMA, is focused on sharing resources regarding safe handling of reactive chemicals, particularly for non-scientists.
2. The first implementation team meeting took place at the ACC headquarters on March 6, 2006. The group reported on a Center for Chemical Process Safety (CCPS)-led safety workshop for non-scientists that is drawing small crowds. Are there ACS mechanisms that could be used to draw more attendance at the workshop? There is an opportunity to train people to present this workshop, if we can identify volunteers. They explored ways to better make this content available.
3. Scott Berger from CCPS asked for examples of accidents and incidents related to process safety for publication in their "Process Safety Beacon."
4. The alliance asked ACS to consider developing an alliance Web site such as the other alliance participants have done.

5. There was some discussion of a spreadsheet tool for warehouse managers that could help them to avoid reactive chemical incidents. For example, the tool would flag storage of acids near bases, or water near water-sensitive materials. It would serve to cross index all classes of chemicals and red flag potential problems. The goal is to help non-scientists who use reactive chemicals. We need assistance and a volunteer to make this spreadsheet a reality. Committee members should contact Dr. Rich if they know someone who could assist with this project.
  6. We talked about the possibility of the OSHA alliance purchasing a booth at an ACS National Meeting. The budget is set for 2006, but perhaps this could start in 2007.
  7. Dr. Rich will attend the meetings and stay in contact as our role in the alliance matures. The next meeting will be on June 8, 2006. If you wish, he can copy the committee on agendas, minutes, and other documents that the implementation team generates.
- C. Update on interim actions on behalf of the committee
1. Dr. Rich handled a variety of communications as the point of contact for the committee at ACS. He thanked committee members for our quick and helpful responses to his emails on these and future issues which arise.
  2. Assisted ChemMatters in screening an activity to be published for safety.
  3. Provided advice to the International Science and Engineering Fair on their safety rules.
  4. Submitted material on committee resources to FANMail for ACS student affiliate faculty advisors.
  5. Provided a response to a high school chemistry teacher with a question about safe practices for laboratories including a student in a wheelchair.
  6. Responded to reprint requests from Mesa public schools, United Educators, and a private safety consultant.
  7. Sent flowers to Mary Fran Schickedantz in Paul's memory.
  8. Forwarded information on "Safety, Health, and Environment" textbook from the Center for the Advancement of Process Technology.
  9. Helped with a Review of EPA's Schools Chemical Cleanout Campaign Brochure.
  10. Donated some surplus safety books to the AIHA International Giveaways program.
  11. Helped connect committee members to the NAS update of "Prudent Practices."
  12. Forwarded nominations of Erik Talley, Diane Schmidt, Russ Phifer, and Ken Fivizzani to be profiled in the Sloan Career Cornerstones project.
  13. Dug out of archives an Arabic version of SACL, and passed on to Dr. Hazari.
  14. Assisted with questions about ACS safety video, "Starting With Safety."
  15. Provided information to a freshman chemistry instructor about first aid kits in laboratories.
  16. Assisting of local colleges with chemical waste issues.
  17. Asked the committee if there was any interest in involvement with ISO Nanotechnologies TC 229:

[http://www.ansi.org/news\\_publications/news\\_story.aspx?menuid=7&articleid=1084](http://www.ansi.org/news_publications/news_story.aspx?menuid=7&articleid=1084)

#### 4. Reports of the Subcommittees

- Partnerships – Dr. Ken Fivizzani

##### **Committee on Chemical Safety**

Partnerships Subcommittee Report

Saturday, March 25, 2006

Subcommittee member attendees: Joseph Antonucci, Patrick Barber, Lawrence Barton (CONC), Jean Delfiner, Kenneth Fivizzani, Robert Gates, Steve Sichak, and Wayne Wolsey.

Other attendees: Robert Rich (ACS Staff Liaison), Alan Hazari (CCS Chair), and new committee members Scott Goode, Arlene Hitchcock, and Patricia Schumann.

The meeting began at 7:05 PM. Five members of the U.S. Chemical Safety and Hazard Investigation Board (CSB) Agency were present via WebEx for a virtual conference. The CSB group was headed by Board member John Bresland, who was joined by Daniel Horowicz, Katherine Leskin, Steve Selk, and Jeffrey Wanko. The group made a presentation aided by written and electronic supporting materials. The CSB functions in a manner analogous to the National Transportation Safety Board; the CSB investigates incidents involving hazardous chemicals. They have an independent budget of \$9-10 million/year. In the most recent year they evaluated about 650 incidents and chose to investigate 12. Investigations take anywhere from 6 to 18 months to complete. The CSB does not issue fines or citations but makes recommendations based on the findings of their investigation.

The CSB wants to get word out about their existence and disseminate their reports. They would welcome ACS involvement in their work with chemical hazards. We had a discussion about high school and college chemistry laboratories and the lack of safety training for most chemistry teachers. The CSB is considering having a roundtable of interested parties to discuss some of the more relevant issues in chemical safety. Ken Fivizzani said that someone from ACS should be involved, either from CCS or the Division of Chemical Health and Safety (CHAS). This successful virtual meeting ended around 8:30 PM, with both groups agreeing to continue our interaction.

CCS extends its sincere thanks to the CSB members who took time on a Saturday night to meet with us. Thanks also to Bob Rich for making the arrangements.

Publicity – The Spanish version of SACL is in the hands of a graphic designer. We hope to be able to post the pdf draft on our website by the end of April or May. Committee members are asked to think about ways to publicize this publication. The tremendous contribution of Professor Ingrid Montes made this project possible. Jean Delfiner reported that the distribution of safety pamphlets at the NYC Department of Education meeting is still in progress.

*Chemical Safety for Small Businesses*, 3<sup>rd</sup> Edition is now in the hands of a contract editor. The editor has returned a corrected draft with questions to Ken Fivizzani, and he will attempt to answer the questions in a timely manner. Our editor was attempting to finish the project by the Atlanta meeting; she is very close to reaching that goal.

Active Partnerships – Wayne Wolsey made reports for two groups for which he serves as our liaison. The ACS Division of Nuclear Chemistry has agreed to review the section on radioactivity in the next revision of SACL. The Committee of Community Activities has announced the theme of this year's National Chemistry Week (NCW) as chemical issues in the home. NCW will be the week of October 22-28.

Announcements – The Full Committee Meeting will be on Monday morning, March 27, at 8:30 AM in the Augusta I Room of the Westin Peachtree Plaza Hotel. A buffet breakfast will be available in the room beginning at 7:45 AM.

CHAS Symposia of Potential Interest: All, except Sci-Mix, will take place in the Georgia World Congress Center, Room C213.

Sunday afternoon: exposure assessment strategies and general papers.

Monday morning: teaching safety-industry focus.

Monday afternoon: ask Dr. Safety.

Sci-Mix: spot the hazard and safety humor.

Tuesday morning: learning from our mistakes.

SCHB Symposia: Georgia World Congress Center, Room C211.

Monday morning and afternoon: dealing with disaster, planning and recovery issues for business.

Adjournment – The meeting was adjourned at 8:55 PM.

Submitted by Ken Fivizzani, Subcommittee Chair

- Resources – Dr. David Crumrine

#### **Notes from Resources Subcommittee, CCS, 25 March 2006**

Present: Eileen Segal, Marsha Phillips, Jim Kapin, Dan McDonald, David Crumrine, Larry Doemeny, and Anne Skinner-visitor.

Minutes of last meeting: Accepted without correction

Web links for nanotechnology (Eileen): Guidelines from Lawrence Berkeley. NIOSH is the best Website for nanotechnology questions. We should put that one at the top of the CCS Website list. Our Website currently puts it, alphabetically, in the middle. We will change it on the CCS Website.

While there are worries that nanotechnology materials may be bioactive, NIOSH is not yet sure. This is a good thing to ask but there are, as yet, no answers.

We should encourage researchers to bookmark CCS and CHAS sites as well as MSDS Websites.

Fire departments need to know what is in research labs; walk them through the labs. Fire department approach is not flexible; they have to react quickly, not spend a lot of time analyzing situations. Although there are some exceptions, most are not trained in chemistry.

Eileen Segal reviewed the recommendations on goggles in SACL, Vol. 2. At present, goggles Type G and H, and 'Type K' (eye cups, essentially), from ANSI standards are mentioned, but Type K are welder's goggles. She suggests we remove type K from the Website list, but keep G & H. We may eventually remove G & H and replace with 'splash goggles' especially when SACL is reprinted.

Contact lenses – change to 'can be worn in most environments' with appropriate PPE.

Current Intelligence Bulletin 59 recommends guidelines, should be cited (replace Gosselin in manual, too old).

Larry Doemeny moved to make these changes. It was seconded and passed unanimously.

David's reported on Green Chemistry and Safety: Green chemists assume they are safe because things are 'green'. Should worry more. Microwave chemistry/safety or hazard got nothing on Google. Green Chemistry lab manual had microwave experiment with significant risk since it did not refer to modern scientific microwave reactors. SACL has a J. Chem. Ed. reference. David will continue to look into that. Also a recent CHAS Bulletin article is relevant. The possible toxicity of ionic liquids is another issue to pursue.

Marsha suggested several changes to the Safety in the Elementary Science Classroom to make it more appropriate for Pre-K where teachers did not have much science training. Small goggles are available from commercial suppliers as well as the ACS, and the students would be safer with them on. Jim was uncertain if any work done by Pre-K students should require goggles. Marsha replied that it was good training and reduced the possibility of accidents and possible court suits. Eileen felt that it teaches them to be afraid of chemistry. Jim discussed risk assessment issues related to mandatory goggles, but Dan pointed out that untrained teachers probably weren't able to do this properly.

Marsha pointed out that the fabric tape used to wrap glass containers (pg. 7 and pg. 16) that would hold gases was not clearly defined. After some discussion, duct tape might be a better designation.

Marsha suggested that an addition on pg. 14 could mention that students in grades 7 – 12 should be give a number of MSDS sheets to study as part of their education. Larry replied that they were not written for school children. The teachers should definitely be trained to interpret them, and students could be given a few.

Marsha started a discussion about the bullet point on page 17 "Do not inadvertently mix chemicals in the sink drain..." The word 'inadvertently' should be eliminated. Clearly, the possible mixing of incompatible chemicals in either sink or waste container should be avoided. Teachers should be advised of this possibility and decisions about what can go down the drain should be made by people who have sufficient training.

New business –

Changes for Website will go to Erik Talley.

David will continue with Green Chemistry Institute. Some things from them – waste minimization – could be added to SACL.

Larry: Concerned about 2/13/06 C&E News article on Arizona lab with 500 'violations. Not clear why lab was not inspected regularly; concerned that university was not working with researchers, but trying to intimidate.

Should more disposal stuff be in SACL? There is a separate guide. Too elaborate to put in SACL in detail. Jim will work on a disposal page and a nanotechnology page, with references.

Respectfully submitted,

Anne R. Skinner, Secretary pro tem

- Safe Practices – Mr. Russ Phifer

**Minutes of Safe Practices Subcommittee of the Committee on Chemical Safety  
7pm, March 25, 2006, Westin Hotel, Atlanta, GA**

Attending: Lester Bynum, Bob Alaimo, Russell Phifer (Chair), Barbara Foster, and Harry Elston. Al Hazari (Committee Chair) escorted four new members of the committee who were visiting to see the nature of the subcommittee's work.

1. We have what should be a final draft of *Security Vulnerability Checklist for Academic and Small Chemical Laboratory Facilities*. Discussion centered on formatting and publication. The decision was made to insert a grading system under each sub-heading to enable facilities to grade their level of preparedness. Subcommittee members agreed to each utilize this grading system at one or more facilities prior to the San Francisco meeting to help determine what numeric values might be assigned to the grading system to determine what represents a "good" grade.
2. **Nanomaterial safety** – all members of the subcommittee were asked to again review all pertinent literature associated with nanotechnology and report on this topic at the San Francisco meeting. Lester noted there will be an International Conference on Nanotechnology Occupational and Environmental Safety: Research to Practice, which will be held in Cincinnati in 2006. We will continue to monitor this on an ongoing basis.

New Business:

Russ introduced an email from Al Hazari from a local section wanting to help local high school chemistry labs remove waste. There was a great deal of discussion regarding the appropriateness of this; it was decided instead to begin work on a document that would help high schools manage their lab waste effectively. Ideas which may be included are: Advising on waste determinations; appropriateness of alternate disposal of non-regulated chemicals; possible funding sources; lists of EPA-approved facilities; sources of public information; and existing state/regional programs. A draft outline will be prepared prior to the San Francisco meeting and Russ will prepare a draft response to the initial letter from Dr. Michael Henk.

The meeting adjourned at 8:00 PM.

Respectfully submitted,

Russell Phifer, Subcommittee Chair

- Laboratory Environment, Health & Safety – Mr. Erik Talley and Mr. Russ Phifer  
Mr. Phifer reported that the book will be published next year by ACS Books.

**5. Web Site Update – Mr. Erik Talley**

This summer we will have more data on Web site activities. A straw vote was taken regarding the distribution of the Agenda Book, with many members expressing an interest in both Web availability and hard copies distributed at the meeting, as needed.

## 6. Reports of CCS Liaisons

- ◆ ACS Division of Chemical Health and Safety – Ms. Eileen Segal

The Executive Board of the Division of Chemical Health and Safety met on Sunday, March 26, 2006. The following items may be of interest to CCS.

- CHAS has received two grants for:

1. A Mentoring Program, under the leadership of Russ Phifer. The concept of the program is to introduce DCHAS to ACS student affiliates. Free copies of the *Journal of Chemical Health & Safety* are being sent to student affiliates around the country as well as an introductory letter from the Division chair.
2. A Speakers' Bureau. Barbara Foster, Jim Kaufman, and Russ Phifer are currently on the roster. Other speakers are being solicited; anyone interested can get forms from Russ Phifer.

- CHAS was informed of the pending update of *Prudent Practices in the Laboratory*, published by the National Research Council. Barbara Foster, Russ Phifer, and Erik Talley attended a workshop to discuss the revision.

- The CHAS awards for 2006 have been selected:

Howard Fawcett Chemical Health and Safety Award: Jeff Burton, former AIHA president, for his lifelong contributions to lab ventilation, hoods, and laboratory design.

Tillmanns-Skolnick Award: Barbara Foster for service to the Division.

- George Wahl is preparing one of his popular symposiums, Teaching Safety, for San Francisco. He is looking for speakers.

- Erik Talley is the nominee for CHAS chair-elect for 2007.

- CHAS has revised its dues structure. New members will pay no dues the first year.

Submitted by Eileen Segal, CHAS Liaison

- ◆ American Industrial Hygiene Association (AIHA) – Dr. Doug Walters  
-Written report included in Agenda Book, page 69.

- ◆ Committee on Community Activities – Dr. Jack Breazeale and Dr. Wayne Wolsey  
Earth Day theme is “Dig It” and the NCW theme for 2006 is “Your Home – It’s all Built on Chemistry.” NCW is October 22-28, 2006.

The CD “Guaranteed to Succeed” covers four areas of chemistry demonstrations:

1. Activities in science-based facilities.
2. Activities in non-science-based facilities.
3. Hands-on activities.
4. Demonstration guidelines.

The CD is available at Booth #1022 Office of Community Activities guidelines for chemistry demonstrations in various venues.

◆ Inter-Committee Safety Working Group – Ms. Jean Delfiner  
Committee members discussed the selection of PPE with regard to age groups.

◆ Committee on Chemists with Disabilities – Mr. Bob Gates  
The Committee continues to monitor ACS publications to ensure accessibility to all persons. Mr. Gates reported that some PDF files are not accessible because of lack of tagging. Requests that CCS post safety material in a format that would make the information fully accessible to blind chemists.

Mr. Gates can send copies of *Teaching Chemistry to Students with Disabilities: A Manual for High Schools, Colleges, and Graduate Programs*, 4<sup>th</sup> edition, to interested persons.

◆ National Registry of Certified Chemists (NRCC) – Dr. Bob Alaimo  
-Written report included in Agenda Book. Dr. Alaimo reported that six persons sat for the CHO exam at the Atlanta meeting.

## 7. Old Business

- Update on revision of *Chemical Safety Manual for Small Businesses* – Dr. Ken Fivizzani
  - Update on translation to Spanish of *Safety in Academic Chemistry Laboratories, Volume 1* - Mr. Erik Talley (written report only)
- Dr. Hazari will explore the possibility of an Arabic edition of SACL.

## 8. New Business

◆ Chemical Health & Safety Referral Service  
Page 73 in the Agenda Book. Suggestions: Develop a list of expertise areas and persons with that particular expertise. Committee members raised questions of liability. Would need to get ACS legal approval if we go forward with a formal CH&SRS. Should we facilitate liaison with OSHA and EPA libraries? David Crumrine will add this issue to his subcommittee agenda.

◆ Revision of *Prudent Practices in the Laboratory*, page 74.  
Proposal that was made by Dorothy Zolanz, pages 75-86. Madeleine Jacobs referred the funding request to CCS to determine if this is a worthwhile project and is it worth doing. CCS has limited resources, but CCS could petition B&F for funding for this project. Members discussed the amount that should be requested.

**The Committee VOTED for a CCS petition to the Committee on Budget and Finance to provide \$10K per year for two years for the purpose of revision of *Prudent Practices*.**

**In favor: 10**

**Opposed: 2.**

**MOTION CARRIED.**

**The Committee VOTED to amend the previous motion to include full funding, i.e., \$25K per year for two years.**

**In favor: 6,**

**Opposed: 7.**

**AMENDMENT DENIED.**

**CCS02-2006 - The Committee will petition the Committee on Budget and Finance to provide \$10K per year for two years for the purpose of revision of *Prudent Practices*.**

Dr. Hazari and Russ Phifer volunteered to write the petition to B&F.

- ◆ Video safety resources – Creating tools for a new generation.  
The “Starting with Safety” video will be revised. Dr. Rich asked if the CCS has any interest in assuming a role in the revision. Committee members agreed that CCS should be involved in this project. Dr. Hazari, Rubye Torrey, Larry Doemeny, Ken Fivizzani, Barbara Foster, and Russ Phifer volunteered to work on this project.
- ◆ ACS Governance Review Task Force  
Email address for individual thoughts: [governancereview@acs.org](mailto:governancereview@acs.org)
- ◆ ACS Vision Statement and Vision Field, page 94  
CCS members should review this vision statement and send comments on how it might be incorporated into the committee’s work to Dr. Rich and Dr. Hazari.
- ◆ Tulsa high school chemistry “Lab Clean-Up”
- ◆ Guest Mark Cesa, IUPAC, presented the following report to the committee.

The IUPAC-UNESCO-UNIDO Safety Training Program provides opportunities for experts in health, safety, and environmental matters at companies, universities, and institutions in the developing world to obtain hands-on training in state-of-the-art practices by visiting a Host Company (typically an IUPAC Company Associate) for a two- to three-week period. Trainee Fellows complete detailed reports on their training after returning home, and are then expected to apply their new knowledge to make improvements in SHE practices in their workplaces, institutions, local areas, and governments. At each biennial IUPAC Congress, a Workshop on the Safety Training Program is held as an opportunity for Fellows to report on their activities and share best practices.

Web site: <http://www.iupac.org/standing/coci/safety-program.html>

A brochure on the STP can be downloaded from this site. Please let me know if you would like a .pdf file sent directly to you.

I welcome opportunities to collaborate with CCS in the future, particularly in regards to Safety Training Program opportunities in the USA.

Best regards,

Mark C. Cesa, Ph. D.  
Chair, IUPAC Committee on Chemistry and Industry  
Coordinator, IUPAC-UNESCO-UNIDO Safety Training Program  
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**CCS Meeting Minutes**

**Atlanta, GA**

**March 27, 2006**

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**9. Information Items**

- ◆ The Future of *Chemical Plant Security Symposium* in Washington, DC, page 96.
- ◆ ACS Program Review, page 102.
- ◆ Division of Chemical Health and Safety Speakers Bureau, page 103.

Meeting adjourned at 12:00 noon.

**Next Planned Meeting of the Committee:**

Monday, September 11, 2006 – 8:30 AM to 12:00 Noon in San Francisco, CA.

**Meeting minutes prepared and submitted by Barbara L. Foster.**