

NAME OF SPECIALTY SECTION: **Occupational and Public Health**

ANNUAL REPORT: 2009-2010

May 1, 2009 to April 30, 2010

I. Officers/Committees

| Officers: | <u>2009-2010</u> | <u>2010-2011</u> |
|-----------------------|---------------------|-------------------|
| President: | Eileen Hayes | Allison Stock |
| Vice President: | Allison Stock | Michael Madden |
| Vice President-Elect: | Michael Madden | Michael Ottlinger |
| Secretary: | Amanda Persad | Jenny Roberts |
| Treasurer: | Amanda Persad | Jenny Roberts |
| Councilors: | Michael Olson | Anne Chappelle |
| | Anne Chappelle | William Luttrell |
| <i>Past-President</i> | Angela Harris | Eileen Hayes |
| Post-Doctoral Rep.: | Michele. La Merrill | Jorge Muniz-Ortiz |
| SAC Representative: | Adrienne King | Lydia Louis |

Committees:

Program Committee

- | | |
|----------------------|---------------------|
| - Scott Dotson | - Michael Ottlinger |
| - Eileen Hayes | - Katherine Squibb |
| - Adrienne King | - Allison Stock |
| - Michele La Merrill | - Patricia Weideman |

The Program Committee is focused on facilitating successful program development for the annual meetings and to plan additional programs that may serve the interests of OPHSS members. The committee members are listed above. The committee is chaired by the section Vice President, currently Allison Stock. The committee's goal is to identify topics that could become the focus for sessions at future SOT meetings.

Manuscript Award Committee

OPHSS has recently established a manuscript award to recognize exemplary peer-reviewed research aligned with the mission of SOT OPHSS, encourage professional interaction between Occupational / Industrial Hygiene and Public Health (Toxicology / Epidemiology) experts in a forum supported by SOT OPHSS, and communicate the goals and mission of OPHSS within SOT and to the broader public health community. The committee is chaired by the Senior Councilor. For 2009-2010, both Michael Olson (Senior Councilor) and Anne Chappelle (Councilor) co-chaired the Manuscript Award Committee.

II. Activities

The SOT Annual Meeting Student Reception was held on the evening of March 7, 2010, in Salt Lake City, UT. OPHSS presented a poster at the reception which was well attended.

2009 SOT Annual Meeting Luncheon was held on March 8, 2010. Approximately 70 people were in attendance. OPHSS President Dr. Hayes called the meeting to order at 12:07 CT on March 8, 2010.

Guest Speaker: Dr. C. Arden Pope III (Brigham Young University, UT); presentation, “Air Pollution Epidemiology in 20 Minutes.”

Meeting Minutes: No formal meeting minutes were distributed. However, agenda items for the meeting included a guest speaker, award presentation, and the business meeting. The business meeting covered the following topics:

- presentation of awards
- financial report
- newsletter update
- introduction of the 2010- 2011 Executive Committee,
- presentation of plaques to outgoing officers
- program ideas for SOT 2010

(Meeting minutes attached.)

Awards: 1) “Best Abstract Award” was presented to **Patricia Gillespie** for “Central Nervous System Effects after Exposures to Nanosized Particles.” (Gillespie. et al; *Toxicologist* **114** (S1):5, Abstract #22, 2010).

2) “Best Manuscript Award” was presented to **Dr. Raja Settivari** for the best manuscript: “The Divalent Metal Transporter Homologues SMF-1/2 Mediate Dopamine Neuron Sensitivity in *Caenorhabditis elegans* Models of Manganism and Parkinson Disease” (Settivari et al.(2009); The Journal Of Biological Chemistry **284** (51), 35758–35768).

3) “2009 Paper of the Year Award” was selected was: Sari-Minodier, Irène, Truchon, Ginette, Charest-Tardif, Ginette, Bérubé, Anick and Tardif, Robert (2009) “**The Effect of Workload on Biological Monitoring of Occupational Exposure to Toluene and N-Hexane: Contribution of Physiologically Based Toxicokinetic Modeling**”, Journal of Occupational and Environmental Hygiene, 6: 7, 415 — 432.

2009 SOT Annual Meeting Courses/Sessions: Nine scientific sessions were sponsored (*) or endorsed by the OPHSS at the 2009 SOT Annual Meeting:

Workshops

- Research Advances and Enduring Needs in Children's Environmental Health Protection
- Toxicological Challenges in Green Product Development

Symposia

- POPs: What's new and why should we care*
- Silica and Asbestos Immunotoxicity: Mechanisms to Fibrosis, Autoimmunity, and Modified Tumor Resistance Inflammation and Diabetes
- TRPing the Sensor: The Role of TRP Channel Signaling in Cardiopulmonary Toxicity

Continuing Education Courses

- Gene-Environment Interactions Influence Cytokine Biology in Immunotoxicity and Disease: Genomic, Genetic, and Epigenetic Perspectives

Roundtable

- Weighing Complex Data in Risk Decisions: Concepts of Evidence-Based Toxicology

Informational Session

- The 2009 TN Fly Ash Spill: An Environmental Emergency Case Study*

Historical Highlight Session

- Translating toxicology to public health protection: lessons learned from Superfund*

Endowment Fund Details: None.

Newsletters: Three OPHSS newsletters (Summer 2009, Fall 2009; Winter 2009, Spring 2010) were issued to Specialty Section members last year.

Teleseminars: None.

White Papers: None.

Contributions to SOT Web site: None.

Other Specialty Section 2009-2010 Activities:

- 1) A new segment has been added to the OPHSS newsletter showcasing the wealth of knowledge and expertise within OPHSS.
- 2) OPHSS are in the process of scheduling a webinar in which the recipients of the OPHSS 2009 Paper of the Year will present their research to the OPHSS membership.
- 3) There has been an increased effort of the past year to get more interdisciplinary involvement between OPHSS and the medical toxicologists within SOT. One of the OPHSS sponsored sessions at SOT 2010 had participation from the medical toxicologists. Some of the OPHSS Council was able to meet with the medical toxicologists to discuss opportunities for collaboration.

- 4) An issue concerning roadblocks in getting revised OSHA PELs released was raised to OPHSS Council by an OSHA scientist. The council considered organizing a webinar on this issue as it would be too late to be raised in an official capacity at the SOT Annual Meeting. However, following the SOT Annual meeting, the scientist was no longer interested in the issue and further inquiry has been discontinued.

Meeting date: March 8, 2010

Minutes: Business Meeting at SOT

Attendees

| | | | | |
|-------------------|---------------------|-------------------|--------------------|------------------|
| Irene Abraham | David Dolan | Stanley Kutzman | Amanda Persad | David Steup |
| Patricia Beattie | Lavorgie Finch | Kim Li | Arden Pope | True-Jenn Sun |
| Jon Benetiz | Melanie Foster | Monica Lind | Gloria Post | Lonie Swenson |
| Anne Berube | Weimin Gao | Michael Madden | Ira Richards | Jeff Tepper |
| Leslie Beyer | Patricia Gillespie | Joe Mauderly | Jenny Roberts | Peter Valberg |
| Nadine Blackwood | Frederick Guerriero | Melissa McDiarmid | Annette Rohr | Allister Vale |
| Peter Boogaard | Angela Harris | Martha Moore | Robert Roy | Jim Wagner |
| Marie Bourgeois | Peter Harnett | Karen Morris-Fine | Arnold Schechter | Rong Wan |
| Thomas Brunshidle | Eileen Hayes | Bruce Naumann | Raja Settivari | Richard Wang |
| Hillary Carpenter | Carl Herbrandson | Michael Olson | Jonathan Shannahan | Arlene Weiss |
| Anne Chappelle | Ann Hubbs | Arthur O'Neill | Chanxia Shao | Shih-Houng Young |
| Lung-Chi Chen | Tracy Kimmel | Michael Ottlinger | Jo Anna Shimak | Harold Zenick |
| Jean Chun | Adrienne King | Richard Parent | Robert Skoglund | |
| Dan Costa | Michael Kleinman | Arthur Penn | Mary Ann Smith | |

Agenda Handouts

- No handouts. Note paper was placed on tables for attendees' use. Remaining pedometers were also placed on tables.

Meeting Presentations

- "SOT Luncheon" presentation [by E. Hayes]
- "Air Pollution Epidemiology in 20 Minutes" [by guest speaker Dr. C. Arden Pope]

Meeting Details

- The Luncheon started at 11:50 am CT in Room 255 B of the Salt Palace Convention Center.
- At 12:07 pm, Eileen took the podium and welcomed the attendees and introduced the current officers.
- Mike M. then introduced the guest speaker, Dr. C. Arden Pope from Brigham Young University, Utah.
- The guest speaker went through his presentation entitled "Air Pollution Epidemiology in 20 minutes," and entertained a few questions after his talk.
- The OPHSS Officer then presented the awards for Best Abstract, Best Manuscript and Paper of the Year. Mike O. and Anne discussed the labor intensive process behind the Paper of the Year award and invited OPHSS membership to become more involved in the award committees.
 - Best Abstract Award: Patricia Gillespie "*Central Nervous System Effects after Exposures to Nanosized Particles.*"
 - Best Manuscript Award: Raja Settivari "*The Divalent Metal Transporter Homologues SMF-1/2 Mediate Dopamine Neuron Sensitivity in Caenorhabditis elegans Models of Manganism and Parkinson Disease.*" THE JOURNAL OF BIOLOGICAL CHEMISTRY VOL. 284, NO. 51, pp. 35758–35768 (2009)

Meeting date: March 8, 2010

- 2009 Paper of the Year: Sari-Minodier, Irène, Truchon, Ginette, Charest-Tardif, Ginette, Bérubé, Anick and Tardif, Robert (2009) “*The Effect of Workload on Biological Monitoring of Occupational Exposure to Toluene and N-Hexane: Contribution of Physiologically Based Toxicokinetic Modeling*”, *Journal of Occupational and Environmental Hygiene*, 6: 7, 415 — 432.
- Amanda then presented the financial report for 2009-2010. Assets as of July 2009 was \$12, 475, projected revenue based on SS membership and registration \$4800, projected expenses for luncheon, pedometers, plaques, poster printing, etc \$4940, projected assets for at end of fiscal year \$12,335. Eileen mentioned that OPHSS may start to have webinars in the near future and those costs have not been included in the financial report.
- Amanda also gave an update on the newsletter. New to the newsletter is a segment showcasing OPHSS membership.
- Eileen then introduced the new officers: Jenny Robert, Secretary/ Treasurer; Mike Ottlinger, VP-elect; Bill Luttrell, Councilor. Plaques were presented to the outgoing officers: Eileen Hayes, President; Mike Olson, Councilor; Amanda Persad, Secretary/Treasurer; Michele La Merrill, Post-Doc Representative; Adrienne King, Student Representative.
- Eileen then opened the discussion to the attendees to solicit ideas for the 2011 SOT Meeting. Ideas pitched include:
 - Dick stated that an epidemiology course has not been done in three years and should be revisited. Eileen mentioned that Allison and Amanda are working on this.
 - Ellen was interested in a way that epidemiology and toxicology fields can ‘talk.’ There should be workshop about to discuss the ‘hand off’ between the fields.
 - Dick mentioned that there was an attempt to form an epidemiology section in the past that was unsuccessful.
 - Someone suggested a topic on the Toxicology of GRAS.
 - Anne suggested looking at ‘inhaled’ chemicals and foods, and partnering with the Inhalation SS on ‘Rodent nasal toxicology.’
 - Hal Zenick stated that we should take advantage of the location. With next year’s meeting being in DC, we might want to look for speakers from Congress or from the Agencies and subagencies in DC.
 - Hal also suggested looking at the role of toxicology in Health Care Reform or a broader topic like ‘underserved communities.’
 - Epidemiology of disease related to climate change was another topic suggested. The topic would cover workplace, air and water standards.
 - Mike Ottlinger mentioned a NCEH report that is published every year, maybe having a session on it and its impact.
 - Hal mentioned that APHA also has a report.
 - Richard Miner (CDC) pitched the idea of a topic related to natural disasters such as the use of chlorine as a disinfectant during natural events.
 - A session related to clinical toxicology and clinical care was also suggested.
- Meeting adjourned at 1:30 pm CT.