



PARTICULARS

Fall 2000

AAAR 2000

AAAR 2000 in St. Louis

By Sonia M. Kreidenweis, Conference Chair

Aerosol scientists from around the world will convene in downtown St. Louis, Missouri, November 6 - 10, 2000 for AAAR's 19th Annual Conference. An excellent program and meeting hotel, along with the many things to see and do within walking distance of the Adam's Mark, will guarantee a full and rewarding week for participants.

Technical Program

The outstanding efforts of the AAAR Technical Program Committee have resulted in a high-quality program covering a variety of topics in aerosol-related fields. Of particular note are the Tutorial Program, the four Plenary Lectures, and the three special Symposia that have been organized.

Exhibits Program

Another highlight of the meeting is the Exhibits Program, featuring the most current aerosol instrumentation and exciting new developments in aerosol science. AAAR 2000 will have expanded Exhibits hours so that everyone can have a chance to meet with representatives.

Poster Presentation Program

The response to the Poster Presentation Program has set new records for AAAR! The first Poster Session will be held on Tuesday evening, in conjunction with the Exhibitor's Reception. For the second Poster Session, we're trying something new: a mid-day slot on Thursday, with complimentary box lunches for registrants. Posters will remain on display all week, and both organized poster sessions promise to be great opportunities for discussions and interactions.

Aerosol Research Laboratories Tour

We have just added an informal tour of the Washington University Aerosol Research Labs on Thursday, November 9, from 6 - 8 P.M. Transportation will be by carpool, so we ask you to let us know as soon as possible if you would like to join the tour, by email to mail@aar.org or phoning the AAAR office at 513-742-2227. Many thanks to local organizers Richard Axelbaum, Pratim Biswas, Michael Dudukovic, Rudy Husar, Jay Turner, and Warren White for arranging this event! There is lots more going on throughout the week. . . . full details of the Preliminary Program and information on registration and hotel reservations can be found on the AAAR web site: <http://www.aar.org>. As is our tradition, AAAR is once again sponsoring a Student Program that includes a Mixer on Monday evening, a Student Assistants Program, and discounted fees for registration and special events; more information can be found at the AAAR web site. AAAR 2000 will be a memorable meeting and we look forward to seeing you there!

President's Message

Excellence - AAAR's Tradition

By Cliff Davidson

AAAR lost two of its highly productive members this past year. **William "Bill" Pierson**, a Research Professor at the Desert Research Institute (DRI), died on January 1, 2000. Bill had an impressive research career that spanned four decades. After earning his Ph.D. in Inorganic and Nuclear Chemistry from MIT in 1959, Bill worked in high energy nuclear reactions as a postdoctoral fellow at the University of Chicago, and then went to Ford Motor Company in 1962. He stayed at Ford for 25 years, first conducting research in high energy physics and then moving into atmospheric physics and chemistry. Bill's air quality research at Ford covered a wide range of topics. He conducted field studies on acid deposition, source apportionment, visibility degradation, and aerosol characterization, and he pioneered the use of tunnel studies to sample vehicle exhaust. He also conducted laboratory work aimed at characterizing vehicle emissions in a fundamental way, including chassis and engine dynamometer tests, mutagenicity assays to study the health effects of diesel particles, and research on new methods to quantify elemental aerosol carbon. In 1987, Bill moved to DRI as Executive Director of the Energy and Environmental Engineering Center. During his term as Director, the Center grew from approximately 40 people to 70. He stepped down in 1995 to devote his efforts entirely to research, and continued publishing on vehicle emissions until his death.

Joan M. Daisey, Senior Scientist at Lawrence Berkeley National Laboratory (LBNL), died on February 29, 2000. Joan had an accomplished career as a researcher, teacher, and manager. She was awarded her Ph.D. in Physical Chemistry from Seton Hall University in South Orange, NJ in 1970, and then became a faculty member at Mount St. Mary College in Newburgh, NY. She moved to New York University Department of Environmental Medicine in 1975. Her research there covered many topics on airborne organic pollutants, including physical and chemical characterization, source identification, atmospheric chemistry, and dynamics both indoors and outdoors. During this time, she also developed new sampling, analysis, and bioassay methods for

these compounds, and she participated in studies of worker exposure to air toxins. In 1986, Joan moved to LBNL. She became head of the Indoor Air Department in the Environmental Energy Technologies Division, where she supervised a staff of 60. She also served as head of the Center for Atmospheric and Biospheric Effects of Technology for several years. Her research at LBNL involved human exposure to toxic and carcinogenic compounds, including work on indoor environmental tobacco smoke, ventilation, infiltration, and soil-gas transport of volatile organics.

Bill Pierson and Joan Daisey were remarkable people. In addition to being outstanding scientists, both had a genuine concern for people and were major contributors to AAAR. Bill was a founding member of the AAAR Board of Directors, a member of the Editorial Advisory Board of *AS&T*, an Associate Editor of *AS&T*, and a member of several AAAR committees. Joan served as Secretary of the AAAR and was a member of the AAAR Board of Directors, a member of the Editorial Advisory Board of *AS&T*, and also served on several AAAR committees. Both were active in other professional societies, and both held key positions on EPA committees.

Although we have lost two great scientists in the aerosol field, we can take comfort in knowing that their contributions to AAAR have helped the Association grow in both stature and number of members. The continued excellent attendance at our annual meetings is evidence of a dedicated membership. Furthermore, the large number of student members conducting outstanding research indicates that the Association has long-term stability. Consistent with these observations, our journal *AS&T* continues to grow and has received a record number of manuscript submissions this year, thanks to the efforts of editor Phil Hopke.

In fact, plans are underway for AAAR to expand its programs. For example, there will be two symposia organized by AAAR just prior to the 2001 AAAR meeting in Portland, Oregon. These are the Second International Symposium on the History of Aerosol Science Symposium organized by Gil Sem, Jim Gentry, and David Ensor, and the Symposium on Global Aerosol Climatology organized by Nels Laulainen. Both of these symposia have received Board approval for funding from the Special Initiatives program, and work on these events has already begun. In addition, AAAR may have the opportunity to organize and manage the next national conference on airborne Particulate Matter in 2003. This would be the first time that our Association has organized a major conference with attendance comparable to our annual meetings. Discussions will be held at the St. Louis meeting to explore this possibility. Evidence suggests that the aerosol research discipline is currently strong enough to warrant such additional conferences without having a detrimental effect on our annual meetings.

But perhaps the brightest spot on the AAAR horizon is the outstanding agenda for AAAR 2000 in St. Louis. Sonia Kreidenweis, working with the Conference Committee and the Technical Program Committee, has done an excellent job of introducing several innovations into this year's upcoming conference. And the Management Office has worked hard to enable these innovations to become reality.

David Pui, who will become President at the St. Louis meeting, joins me in welcoming any suggestions from the membership on any aspect of AAAR: feel free to contact us at cliff@cmu.edu and dyhpui@tc.umn.edu.

See you in St. Louis!

A special thanks to several colleagues of Bill Pierson at the Desert Research Institute and to Beverly Cohen at the New York University School of Medicine for providing the information on Bill Pierson and Joan Daisey, respectively.

2000 AAAR Special Initiatives Funded

In the initial year of the Special Initiative program, six special initiative proposals have been approved by the Board of Directors. We have information on progress regarding five of those projects.

The first project is a symposium on Respiratory Dose Estimation of Inhaled Particles: Advances in Experiment and Theoretical Model organized by Chong Kim and Bahman Asgharian. This symposium will be held at the AAAR 2000 conference in St. Louis, and will consist of four technical sessions scheduled for Wednesday, November 8, 2000. It will review the current state of particle dosimetry research and provide direction for future research.

The second project is a special symposium for AAAR 2000 entitled "Aerosols In Semiconductor Manufacturing" that has been organized by Sheryl Ehrman. The symposium will consist of several technical sessions with invited speakers, as well as a special program of tutorials intended for those working in the semiconductor industry. The tutorials will be held on Monday, November 6, 2000, and will include basic instruction in Aerosol Science, as the symposium topic. The technical sessions, Aerosols in Semiconductor Manufacturing I and II, are scheduled for Tuesday, November 7.

The third project is to produce a videotape on aerosols that can be used in high schools and colleges to promote the field of aerosol science as a career. Cliff Davidson and Kikuo Okuyama have been obtaining samples of videotapes to be edited for the final product - Wuled Lenggoro of Hiroshima University has also been working on this project. A sizable collection of footage has been obtained. The editing will begin after the St. Louis AAAR meeting.

Finally, two separate symposia are being planned for October 13 - 14, 2001, just prior to the AAAR 2001 conference in Portland, OR. They will be held at the Embassy Suites Hotel Portland Airport. The first symposium is The Second International Symposium on the History of Aerosol Science, which is organized by Gil Sem, Jim Gentry, and Dave Ensor. It will be a two-day symposium consisting of presentations as well as posters. An announcement brochure and call for papers is in progress and information will be posted on the AAAR web site in the near future. The other symposium is on Global Aerosol Climatology, and is being organized by Nels Laulainen. This will be a 1 ½ day program which will run parallel to the History of Aerosol Science Symposium.

Request for Proposals

New submission Deadline: December 31, 2000

Decisions will be made at the Winter 2001 Board Meeting.

Make a Difference!
Contribute your ideas and help the AAAR to have an impact!

The AAAR will make funds available for Special Initiatives that will help the Association promote the field of aerosol science, both within and outside the aerosol community. Examples of projects include:

- Special symposia at future AAAR meetings.
- Specialty conferences on aerosol science held at other times of the year
- Production of books, videotapes, or other materials for enhancing public awareness of aerosol science

Proposals are expected to be at least revenue neutral. Income from a project may come from registration at a specialty conference, sales of books or videotapes, increased membership in AAAR as a result of the project, etc.

Proposals must include details supporting the revenue-neutral criterion. In cases where sufficient revenues to cover expenses are not expected, an explanation of the anticipated benefits to AAAR and a justification of the expenses must be provided.

Only proposals endorsed by a Working Group or Committee will be considered for funding. Applicants can send written endorsement from a Working Group or Committee at the time the proposal is submitted; alternatively, an applicant can suggest an appropriate Working Group or Committee and the proposal will be forwarded by the AAAR Management Office. Note that the proposal **MUST** be submitted electronically.

For proposals including a budget for travel, the maximum level of support per person is \$500 for domestic airfare or \$1,000 for international airfare. If the travel is to a AAAR Annual Conference, the proposal can request up to two nights lodging and free conference registration per person.

For additional information, please contact the AAAR Management Office.

Note: Technical proposals for conducting aerosol research are outside the scope of this solicitation!

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