



PARTICULARS

Newsletter of the American Association for Aerosol Research

Spring 2002

The AAAR 2002 Conference Is Shaping Up

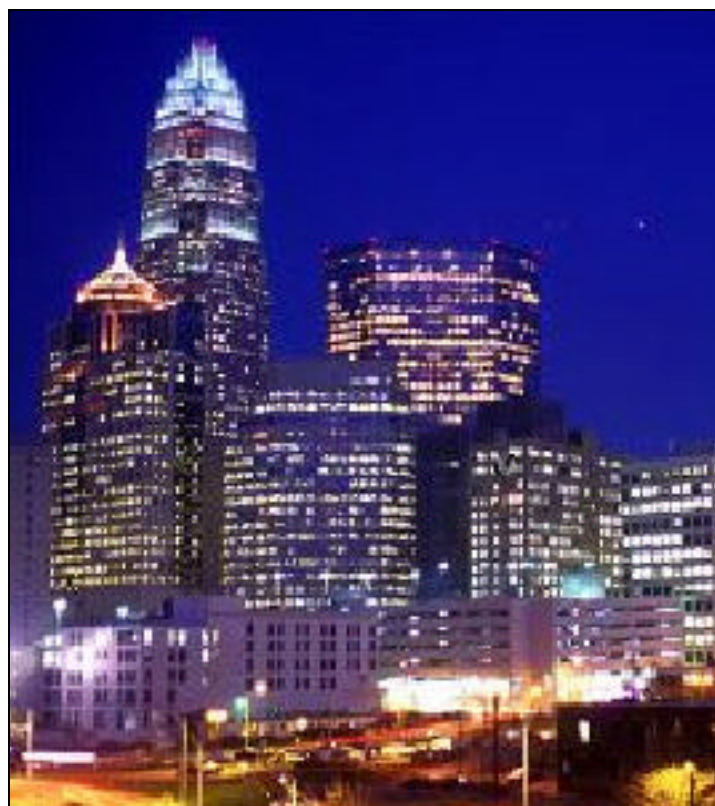
By Chong S. Kim, AAAR 2002 Conference Chair

The 21st annual AAAR conference will be held October 7-11, 2002, at the Adam's Mark Hotel near downtown Charlotte, North Carolina. Although we have started a bit late, the conference is shaping up to be one of the most exciting and stimulating yet. The Adam's Mark Hotel is the city's largest convention hotel offering 613 guest rooms, including 23 suites, and 52,000 square feet of meeting space. At Adam's Mark Hotel, you will find the comfort and efficiency of the grand hotels combined with the warmth and charm of southern hospitality. The Call for Papers has been distributed early in March and a web page has been set up for online submission of abstracts. We have enhanced the online submission via the Internet for your convenience. This new technology will greatly help the efficient processing of abstracts and organizing the conference. Visit the AAAR website (www.aaar.org) and submit your abstracts online.

There will be three specialty symposiums organized within the AAAR conference. A symposium on Results from Particulate Matter Supersite Programs organized by Charlie Stainer and Paul Solomon, and another symposium on Emissions, Formations and Measurements of Semivolatile Organics Compounds organized by Donald Dabdub and Rob Griffin. The third symposium offered is on Sampling, Analysis

and Health Effects of WTC Aerosols organized by Beverly Cohen and Alan Vette. Melissa Lunden, Tutorial Chair, is taking an extra effort to finalize an exciting slate of tutorials led by experts in their respective fields. Our upbeat exhibit chair, Tyler Beck, put the final touch on the exhibit program that will shine during the conference. The new AAAR staff from Association Headquarters is checking every detail of conference logistics to ensure an effective and yet enjoyable conference.

There still is a lot of work to do. However, the most important aspect of this event is your participation in the conference. Please visit the AAAR website (www.aaar.org) and submit your abstracts today. The blue sky of Carolina and the southern hospitality of Queen City welcome you. See you all in Charlotte!



In This Issue:

President's Message	2
Sponsorship Opportunities at Conference	3
Letter from Executive Director	5
Exhibitor Opportunities at Conference	6
2003 PM Meeting	9
Call for Awards	10

President's Message

By Patricia B. Keady

Dear AAAR Member:

In March 2002, the AAAR Board of Directors met to discuss financial data and budgets for the next two fiscal years. Considering the information presented, the board of directors approved specific financial recommendations that will be reflected in your annual conference and membership dues.

AAAR has grown over the years. Conference and membership fees have not increased in keeping with increased costs of providing membership programs and services. The lagging increases in fees have put a tremendous strain on AAAR's ability to continue conducting a quality annual conference and severely limiting the ability to maintain and enhance current membership programs and develop new programs to provide important educational benefits to you and the study of aerosol science.

Myself, the board and the entire organization are committed to the development of aerosol science and technology and its application to important societal issues. We pride ourselves in fostering education, communication and networking within the organization. It is for this reason we will continue to grow as an association and towards our long-range goals within the field.

Some 2002 highlights include for the first time in AAAR history, the membership directory will go on-line this year as a searchable, password-protected directory bringing you the most updated information on your fellow members and AAAR activities, policies and procedures. On-line abstract submission for the AAAR 2002 annual conference is now enhanced. AAAR will support the International Fuchs Memorial Award and provide expanded issues of *Aerosol Science and Technology*.

In Spring 2003, AAAR will sponsor the Particulate Matter and Health conference and has a vision for

similar mid-year conferences becoming a biennial event. There are plans for developing on-line registration for conference and membership renewal. The membership committee is charged with developing sponsorship opportunities and membership development to offset continuing cost increases. The board also adopted a long-range plan for membership program development.



Traditional programs will continue including the Annual Conference, Annual Awards Program, Student Assistance Program, *Journal of Aerosol Science and Technology*, *Particulars* and special initiatives (when budget allows).

The following is a list of new dues:

2002 Annual Conference dues:

Regular member early bird registration	\$ 400
Regular member advance registration	\$ 475
Regular member on-site registration (includes abstract book as available)	\$ 550
Student fees for early bird and advance	\$ 100
Student fees on-site	\$ 175
Exhibitor space per booth	\$1,400
Tutorial fees - regular member early bird registration	\$ 115
Tutorial fees - regular member advance registration	\$ 130
Tutorial fees - student early bird registration	\$ 70
Tutorial fees - student advance registration	\$ 75

continued on page 3

continued from page 2

Tutorial fees - organizational members early bird	\$ 90
Tutorial fees - organizational members advanced	\$ 100

(Discounted fees are applied for multiple tutorials.)

2003 Annual Membership Dues:

Regular membership (includes subscription to AS&T)	\$ 150
Student membership	\$ 30
Organizational membership (includes subscription to AS&T)	\$ 1,800
Retired membership	\$ 30

Our hope is to secure AAAR's continuing financial stability today, tomorrow and in the future. We appreciate your continuing support of AAAR. The board will continue to assess the needs of the members and provide the highest level of professional education in this time of intense research activity and discovery.

I would also like to inform you my employment with TSI ended on February 5, 2002. My immediate plan is to return to graduate school to complete an MBA

in marketing/management. I have had 23 plus wonderful years with TSI and have been given many opportunities to grow and excel in my career in engineering, sales, marketing, quality, and management. I will maintain close contact with the many good friends I have at TSI. My commitment to the aerosol field and AAAR remains strong and I will continue my duties as AAAR President. All future correspondence should be directed to me at pbkeady@aol.com.

If you have any questions, please contact the national office at 856-439-9080 or contact me at pbkeady@aol.com.

Sincerely,

Pat Keady

Patricia Keady
President

cc AAAR Board of Directors

2002 Conference Sponsorship Opportunities

AAAR offers opportunities to promote and demonstrate commitment to the science of aerosol research by becoming a sponsor of the annual conference.

For information on specific sponsorship opportunities, please contact Ann Marie Smith or Libby McDannell at the national office, 856-439-9080, e-mail: aaar@ahint.com.

Letter From the Editor

Greetings! My name is Sheryl Ehrman, and I have recently succeeded Mike Bergin as the Editor of *Particulars*. Not to pun, but this is a particularly exciting time to be in this field of research. Recent news stories in the media have focused on aerosol issues.

For example, in a March 26, 2002 ruling by the U.S. Court of Appeals for the D.C. Circuit, it was stated that the Environmental Protection Agency did not exceed its authority when it put forth a new PM 2.5 standard. Meanwhile, the Federal Bureau of Investigations is still trying to track the source of the inhaled anthrax spores. Over in the aerosol materials field, researchers are probing the fundamental nature of nanoparticles, and creating new processes for making materials, for example using electrified coaxial liquid jets to produce two-component micron to submicron diameter droplets, as reported by Loscertales et al. in the March 1, 2002 issue of *Science*.

To help spread news in our field, I encourage contributions to *Particulars* from all AAAR

members. These contributions can take the form of editorials, letters to the editor, reports on accomplishments of fellow members, notifications of upcoming events of interest to the aerosol community, or any other form appropriate to the content.

I look forward to working with Association Headquarters, our new management service, and to working with the members of AAAR to make *Particulars* the best source of aerosol science information.

Sheryl H. Ehrman
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Advertise in Particulars

Reap the rewards by advertising in the AAAR newsletter! *Particulars* is the primary information source for Association members. Published three times each year, the newsletter is an excellent membership benefit.

Whether you have a product or service to sell or a job to post, *Particulars* is the industry's leading publication.

Full Page	\$400
Half Page (vertical/horizontal)	\$200
Quarter Page	\$100
Eight Page	\$50

Classified advertisements are available for posting job openings and advertising the availability of second-hand equipment.

20-39 words	\$20
40-80 words	\$40

For more information on availability or rates, please contact the AAAR office at aaar@ahint.com.

An Executive Director Welcome

By Ann Marie Smith

Dear AAAR Members:

It is my pleasure to be selected as your new executive director. I am very excited and motivated about working with the AAAR volunteers and members. I look forward to the challenges and successes of the new year and a long, productive future with AAAR.

January 1st has come and gone and we have begun another year. Much has transpired with AAAR in the last three months. Most notably, AAAR has begun what I hope will be a long and productive relationship with your new management company, Association Headquarters (AH).

Now that the transition to your new national office has concluded, we are getting on with the work of implementing AAAR's goals for the future. As Pat Keady points out in her presidents message, at the March 2002 meeting, the board of directors identified several key areas of focus. The key focus areas are:

1. Membership development
2. Sponsorship development
3. Membership program development
 - a. On-line searchable membership directory
 - b. Enhanced on-line abstract submission for the AAAR 2002 annual conference
 - c. Support for the International Fuchs Memorial Award
 - d. Expanded issues of Aerosol Science and Technology
 - e. Sponsorship of the 2003 AAAR Particulate Matter and Health meeting
 - f. On-line conference and membership registration

Traditional programs will continue including the Annual Conference, Annual Awards Program, Student Assistance Program, Journal of Aerosol Science and Technology, Particulars and special initiatives (when budget allows).



We are making strides in several of these areas already and I wanted to take a moment and give you an update. First, in the area of membership program development we have enhanced the on-line abstract submission process for the 2002 AAAR Annual Conference. The membership directory is currently getting updated for posting on the AAAR Web site as a searchable directory. By now you should have received your e-mail regarding the call for AAAR award nominations. Please take the time to nominate your deserving peers for this prestigious recognition.

We have also been working on this year's AAAR annual conference. Dr. Chong Kim and his conference committee have assembled a fine outline of topics for this year. There will be sessions dedicated to fundamental aerosol chemistry, aerosol physics, atmospheric aerosols, combustion, materials processing and microcontamination, control technology, health related aerosols, indoor aerosols, instrumentation and nuclear and radioactive aerosols. Special symposiums will feature the results from particulate matter Supersite programs, emissions, formations and measurements of semivolatile organic compounds, and sampling, analysis, and health

continued on page 6

continued from page 5

effects of STC aerosols. The Call for Papers has already been mailed to AAAR members and prospective participants. The Call for Papers is also available on-line on the AAAR Web site. A preliminary program is scheduled for mailing and will be available on-line in June. I encourage you to look it over and make your plans early to join us in beautiful Charlotte, North Carolina at the Hilton Hotel.

We are also working on the program for the 2003 AAAR PM Meeting scheduled for March 31-April 4, 2003 in Pittsburgh, Pennsylvania. Dr. Cliff Davidson and his organizing committee are working very hard to develop a program you will find stimulating and beneficial.

In closing, I would like to say again how pleased I am to be on board with AAAR. You have a strong, progressive board of directors and I am very encouraged by the positive relationship we are developing. The strength of this partnership will propel AAAR forward and turn the challenges of today into the successes of the future.

Respectfully,

Ann Marie Smith

Ann Marie Smith
Executive Director

Exhibit During the 21st Annual Conference

AAAR's 21st Annual Conference is October 7-11, 2002 in Charlotte, North Carolina and there are plenty of exhibiting opportunities available.



Reach more than 500 scientists, researchers, graduate students, government officials and industry professionals during this international educational experience. The exhibits are an integral part of this meeting and the perfect opportunity to show attendees your most innovative and best products and services.

Look for your exhibitor prospectus in the mail or online at www.aaar.org the end of April. For more information, rates, availability or deadlines, please contact Beth Wood, Exhibit Manager at 856-642-4419 or e-mail her at bwood@ahint.com.

Who's Who At The AAAR Office

Bill Pawlucy

Senior Advisor

Involved with all board and executive committee issues

Ann Marie Smith

Executive Director

Oversees all day-to-day operations

Libby McDannel I

Executive Assistant

Assists executive director and handles all membership issues

Karen Feder

Director of Meetings

Responsible for arrangements of all meetings and conferences

Beth Wood

Exhibits Manager

Oversees all aspects of Conference Exhibits

Pat McFadden

Registration Director

Oversees all aspects of registration for conferences

Jeanne Cody

Accounting Manager

Responsible for day-to-day accounting operations

Lisa Long

CFO

Oversees all accounting responsibilities

Amy Chezem

Public Relations Director

Responsible for all public relations activities and newsletter

Eileen Zeiger

Website Manager

Responsible for day-to day maintenance of website

Gregg Jones

Senior Graphic Designer

In-house graphic design

Mark Denato

Graphic Designer

In-house graphic design



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Changes In Store For Aerosol Science and Technology - *By Philip K. Hopke*

As you are aware, *Aerosol Science and Technology* has developed problems because of its own success. For many years, we had been actively encouraging a greater flow of good papers. However, in recent years, there has been a substantial increase in submitted papers leading to unreasonable delays in publishing the accepted papers. Many of you have decided against publishing in *Aerosol Science and Technology* because of these delays. The editorial staff and the AAAR Board of Directors have worked hard to solve this backlog problem. We increased the page size of the journal last year and added pages. This year we have added more pages and reorganized the publication schedule to put more papers in the first half of the year and you can see the sizes of the recent issues. There will be thinner issues for the last 6 issues of the year. We now have the backlog down to more manageable dimensions. Currently, the delay from acceptance to publication is down to four months, which is the minimum time to convert manuscripts to galley proofs and print the issue. We are working with our publisher to move the accepted papers into electronic format and on-line much sooner. Thus, we invite you to reconsider and send your manuscripts to *Aerosol Science and Technology* as an effective journal in which to present your work

After serving as Editor-in-Chief since October 1993, I am stepping down at the end of this year. At the March 2 meeting, the board of directors appointed Rick Flagan of the California Institute of Technology to be the new Editor-in-Chief for a five-year term beginning on January 1, 2003. Rick has a number of ideas for improvements in the journal such as electronic submission and manuscript transfer to the reviewers. More details of the exciting new possibilities for *Aerosol Science and Technology* will be described in the summer issue of Particulars.

The schedule for the transition is that manuscripts should be submitted to me at Clarkson up until September 30, 2002 and to Rick at CalTech after

October 1, 2002. Again, details will be provided as we move toward the transition time. We look forward to Rick and his team continuing to improve the journal and services to our authors.

I have enjoyed the opportunity to serve the aerosol community by editing the journal and I want to thank all of those who have served as associate editors, editorial advisory board members, and reviewers.

Philip K. Hopke
Editor-in-Chief
Aerosol Science and Technology

Welcome New Members

Will Cantrell

Michigan Technological University
(full member)

Hak Sung Lee

Seowan University
(full member)

Pravir Kumar Rai

Rocjhester Institute of Technology
(student member)

John Vogrinetz

Dycor Technologies LTD
(full member)



Particulars is published by the American Association for Aerosol Research as the primary information source for Association members.

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association management company.



Mark your Calendars!

21st Annual AAAR Conference

October 7-11, 2002
Adams Mark Hotel
Charlotte, North Carolina
Deadline for Electronic Abstracts: April 30

2003 AAAR PM Meeting Particulate Matter: Atmospheric Sciences, Exposure and the Fourth Colloquium on PM and Human Health

March 31-April 4, 2003
Hilton Pittsburgh
Pittsburgh, Pennsylvania
Abstract Deadline: October 18, 2002
Look for Call for Papers in May!

The American Association for Aerosol Research Announces The Call for 2002 Award Nominations

The American Association for Aerosol Research (AAAR) invites you to submit nominations for the prestigious Kenneth T. Whitby Award, David Sinclair Award, Sheldon K. Friedlander Award and Thomas T. Mercer Joint Prize



Kenneth T. Whitby Award.

The Kenneth T. Whitby Award recognizes outstanding technical contributions to aerosol science and technology by a young scientist. The purpose of the award is to encourage continued work in the

field and ongoing support of such endeavors. The award memorializes Kenneth T. Whitby, known for his contributions to aerosol measurement, the study of aerosol properties and behavior, and the nature of atmospheric aerosols.

David Sinclair Award.

The David Sinclair Award recognizes sustained excellence in aerosol research and technology by an established scientist still active in his/her career. The individual's research must have a lasting impact in aerosol science. The award memorializes David Sinclair, one of aerosol science's great innovators, distinguished himself as a pioneer in aerosol science through his work with Victor LaMer at Columbia University.

Sheldon K. Friedlander Award.

The Sheldon K. Friedlander Award recognizes an outstanding dissertation by an individual who has earned a doctoral degree. The award is named in honor of Professor Sheldon Friedlander for his leadership as a researcher, teacher, and pioneer in aerosol science. One of AAAR's founders, Friedlander is a past recipient of the distinguished Fuchs Memorial Award.

Thomas T. Mercer Joint Prize.

Sponsored by AAAR and the International Society for Aerosols in Medicine (ISAM), the Thomas T. Mercer Joint Prize recognizes excellence in the areas of pharmaceutical aerosols and inhalable materials. The award honors the legacy of Thomas T. Mercer, an outstanding researcher and author whose work encompassed aerosol physics and chemistry as well as inhalation toxicology, industrial hygiene, and health physics.

Each award consists of a cash prize and plaque. The awards will be presented at the 21st Annual AAAR Conference, October 7-11, 2002 at the Adam's Mark Hotel, Charlotte, North Carolina. Any AAAR member may make nominations. Nominations for the Thomas T. Mercer Joint Prize are accepted from both AAAR and ISAM members.

Submission deadline for the **Kenneth T. Whitby Award, David Sinclair Award and the Sheldon K. Friedlander Award is June 7, 2002.** The deadline for submission of nominations for the **Thomas T. Mercer Joint Prize is July 30, 2002.**

For more information contact the AAAR national office: AAAR, 17000 Commerce Parkway Suite C, Mt Laurel, NJ, 08054, Phone: 856-439-9080, Fax: 856-439-0525, e-mail: aaar@ahint.com.