



Association Of  
Environmental  
Engineering  
Professors

# NEWSLETTER

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## **PRESIDENT'S CORNER**

My year as president is just about over. My heartfelt thanks go out to my fellow board members, the committee chairpersons, the committee members for their help and support, and of course, many thanks to the members at large for all their support. It has been a wonderful experience and I look forward to being of further service to AEEP.

In May, EPA sponsored a small workshop at Harper's Ferry, VA. The focus of the workshop was the question, "What new directions should EPA be pursuing?" Several AEEP members were there. We suggested that EPA needed to maintain both regulatory and research functions. To meet the increasing need for qualified professionals (a country-wide need), I suggested that EPA should reinstate the student fellowship program. It is my strong opinion that money invested in qualified students will reap greater rewards than money invested in one more treatment process. The idea was duly noted, and we moved on to other topics. A final position paper is expected by the end of the year.

On August 14 through 17, six members of AEEP, including Tom Keinath and me, attended the First Pan American Meeting of Sanitary and Environmental Engineering Professors, sponsored by PAHO, WHO, and AEEP. The purpose of the meeting was to explore ways in which effective collaboration can be estab-

lished with our counterparts in Latin America. As part of AEEP's outreach, the AEEP members who were there agreed that we should provide copies of the AEEP Register of Environmental Engineering Graduate Programs and the Membership Directory to each of the 40 schools with Sanitary and/or Environmental Engineering programs. If you are interested in participating in collaborative projects, or have some thoughts on the subject, please contact Tom Keinath or me. At the October WPCF meeting, the AEEP Board of Directors will be discussing how and what AEEP can do to forge closer relationships with both our Canadian and Latin American counterparts and associates. Finally, don't forget to mark Monday, October 16, 1989, on your calendar. The annual AEEP membership luncheon meeting will be held at the Hotel Nikko in San Francisco. This meeting will mark the completion of our 25<sup>th</sup> year as an organization. In addition to introducing the new Board members, our annual award presentations, and the publication of our history (prepared by Dave Hendricks), we will be honoring the founding members of AEEP. I invite and encourage each of you to attend the luncheon to share in the fellowship, to meet the new AEEP Board members, and especially to honor our founding members. I look forward to seeing you all at the luncheon.

George Tchobanoglous  
President

## **AEEP NEWS AND ANNOUNCEMENTS**

### **Annual AEEP Luncheon**

As is our tradition, AEEP will host an annual membership luncheon on Monday, October 16, 1989, beginning at noon. The luncheon will be held in the Pink Pearl I & II rooms (3<sup>rd</sup> Floor) of the Hotel Nikko in San Francisco, which is located at 222 Mason Street directly opposite the Parc 55 Hotel which serves as

one of the two WPCF conference headquarters hotels. Reservations are required for this event since AEEP must guarantee the number of meals by 6 October 1989. Accordingly, please place your reservation **now** using the reservation form at the back of the *Newsletter*.

Tom Keinath  
Vice-President

## AEEP Meet and Greet Reception

The officers and directors of AEEP cordially invite all AEEP members, but especially the new and younger members to a "meet and greet" reception to be held on Monday, October 16, 1989, from 4:30 to 6:00 P.M. in the Dante Room of the Parc 55 Hotel which is located at 55 Cyril Magnin Street in San Francisco. This reception is in addition to the traditional luncheon which will be held earlier the same day. Although the primary objective of the reception is to enable the directors to become better acquainted with the new and younger members of AEEP, two important secondary objectives are to give these members the opportunity to influence and help shape the future goals and directions of the Association and to learn from the directors how they might participate in AEEP committees and become active in the organization. The officers and directors eagerly look forward to seeing many of you at the reception.

Tom Keinath  
Vice-President

## AEEP Workshop

An AEEP Workshop will be held on Tuesday, October 17, 1989, in conjunction with the Annual Conference of the Water Pollution Control Federation in San Francisco. Dr. C. H. Ward, of Rice University, will present the workshop on bioremediation. It will be held from 1:00-5:00 p.m. in Room E222 of the Moscone Convention Center. More information on registration will be sent to AEEP members. If you have any questions, please contact Bill Batchelor at 409-845-1304.

## Senate Committee Testimony

The following statement was taken from the testimony given by Richard Luthy on behalf of the AEEP to the VA, HUD and Independent Agencies Appropriations Subcommittee of the Senate Committee on Appropriations.

The EPA must become more of a science agency in addition to a regulatory agency. The EPA ORD budget must be substantially increased to support longer-term research while also providing resources for the development of new scientists and engineers in order to expand the pool of technical professionals.

This is the second time AEEP has addressed the Senate about such matters. If you have not had an opportunity to read the entire document, you may obtain a copy from Dr. Luthy (412-268-2940).

## Second Edition of Computer Manual — Call for Programs

AEEP is proceeding with the 2nd Edition of the computer Manual and is soliciting computer programs

from members for possible inclusion in the Manual. This version will attempt to include both IBM and Apple programs that can be used in teaching and research. Please contact J. B. Neethling (213-825-1774 or neethlin@ea.ucla.edu) if you would like to submit a program for the manual. If you have already indicated your intent to submit a program, you need not do so again.

## AEEP Publications Available

The publications from AEEP are shown on the order form in this edition of the newsletter. This new order form reflects several changes in the publications that have occurred in the last few months.

The *Laboratory Manual for Unit Operations and Unit Processes* has been fully revised under the direction of Makram Suidan and is now available. This 1989 edition of the Manual has had a few new experiments added and a few deleted from the previous edition. In addition, all experiments were carefully reviewed (by several volunteers) prior to publication, so this new edition of the manual maintains the strengths of previous editions and includes several improvements.

The new edition of the *Register of Graduate Programs in Environmental Engineering* is also now available from the publications committee. This new 1989 edition has entries from 104 schools, with several pages for each program describing degree requirements, courses available, and faculty research interests. Compiled and edited by Bill Knocke and Gary Amy, this new publication should be invaluable in talking to students about attending graduate school. The price is slightly higher than the pre-publication price available when dues notices were mailed. As always, member prices for AEEP publications are set merely to cover costs.

Finally, the *Proceedings of the AEEP Conference on Fundamental Research Directions in Environmental Engineering* will soon be available and is now listed on the order form. This conference, held in Washington, D.C. in November, 1988, had sessions on physical, chemical, and biological aspects of air, land, water, and inter-media phenomena. All papers and formal discussions of the papers are included in the proceedings. For those who were not able to attend the conference, these proceedings are an excellent way of getting a glimpse of the directions of our field in the coming years. The views presented span several orders of magnitude in both time and space; many would form good discussion items among groups of graduate students and faculty.

## Deadline for the December 1989 Newsletter

Please mail articles for the December issue of the AEEP Newsletter to the editor, G. D. Boardman, by November 1, 1989.

## Welcome, New AEEP Members

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## GENERAL NEWS

### AWWA Academic Achievement Awards

The American Water Works Association gives Academic Achievement Awards annually to the M.S. theses and Ph.D. dissertations judged to have the

most significant value to the water supply industry. The awards consist of checks for \$1000 and \$500 for the first and second students in each category, respectively, and plaques for the students and their major professors.

The winners of the 1989 Academic Achievement Awards were:

## Doctoral Dissertations

### FIRST PLACE: Coskun Yurteri

**Drexel University**, under the direction of Dr. **Mirat D. Gurol**. Title: "Removal of Organic Pollutants by Ozonation: Kinetics and Reactor Design".

### SECOND PLACE: Domenic Grasso

**The University of Michigan**, under the direction of Dr. **Walter J. Weber, Jr.** Title: "Ozonation Dynamics in Water Treatment: Autocatalytic Decomposition, Mass Transfer, and Impact on Particle Stability".

## Master's Theses

### FIRST PLACE: Jan Elizabeth Dewaters

**The University of North Carolina at Chapel Hill**, under the direction of Dr. **Francis A. Digiano**. Title: "Biological Activity on Granular Activated Carbon in the Presence of Ozonated Naturally Occurring Humic Substances".

### SECOND PLACE: Jeffrey Staudinger

**Virginia Polytechnic Institute and State University**, under the direction of Dr. **William R. Knocke** and Dr. **Clifford W. Randall**. Title: "Evaluation of Mass Transfer Correlations for Packed Column Air Stripping of Volatile Organic Contaminants From Water Supplies".

The deadline for entries for the next competition (for theses completed between 9/1/88 and 9/1/89) is October 1, 1989. Entry forms and additional information can be obtained by calling AWWA headquarters at 303-794-7711.

## Call for Papers — AWWA Universities Forum

Abstracts are now being solicited for papers to be presented at the 19th Annual Universities Forum at the American Water Works Association Annual Conference to be held in Cincinnati, June 17-21, 1990. Student presenters/authors are being sought at all university levels. Papers must be based upon work completed by a student during the 1988-1989 or 1989-1990 academic year.

Papers should be related to public water supply including treatment, quality control, distribution systems, and resource development and management. Seven copies of an abstract not to exceed 5 total pages — no more than 2 pages of text, no more than 2 pages of figures and tables, and a completed abstract information sheet (available from AWWA) — should be submitted by December 15, 1989, to:

Universities Forum  
AWWA  
6666 W. Quincy Avenue  
Denver, CO 80235

## The 1989 Abel Wolman Doctoral Fellowship

The Abel Wolman Doctoral Fellowship was established to honor the late Professor Abel Wolman by encouraging promising students to pursue advanced training and research in the field of water supply and treatment. The fellowship provides up to \$15,000 per year in support for up to two years. The recipient of the 1989 fellowship was **Mark A. Waer**, a student at the **University of Illinois at Urbana-Champaign**. Mark began his career with the Philadelphia Water Department, and, after receiving his MS degree in engineering from Villanova University, he took a position as a distribution superintendent with the Commonwealth Water Company in Short Hills, New Jersey. Mark's research, under the direction of Professor **Vernon Snoeyink**, will focus on thermal regeneration of activated carbon.

## The Larson Aquatic Research Support (LARS) Scholarships

The LARS scholarships program was established in 1988 to honor the memory of Dr. Thurston E. (Lars) Larson, a dedicated water chemist and researcher who, in his 44-year career with the Illinois State Water Survey, made numerous scientific contributions in areas such as corrosion control, treatment and distribution of domestic and industrial water supplies, aquatic chemistry, analytical chemistry, and environmental chemistry. The scholarships, which provide \$5,000 in support for PhD students and \$3,000 for MS students, are awarded based on the applicant's academic excellence and potential to provide leadership in one of the fields served by Dr. Larson. The recipients of the inaugural (1989) awards were **Lisa M. Alvarez**, a PhD student at Stanford University, and **Susan M. Teefy**, an MS student at the University of North Carolina. Lisa's research, under the direction of Professor Perry L. McCarty, is designed to examine the interaction between sorption and biodegradation of contaminants in aquifer environments. Susan is working with Professor Philip C. Singer to explore alternatives to chlorination for the Washington Suburban Sanitary Commission.

## Environmental Engineering Selection Guide

The 1989 edition of the *Environmental Engineering Selection Guide* is now available from the American Academy of Environmental Engineers. Upon request, the *Guide* is provided **free of charge** to those that employ environmental engineers.

The *Guide* provides a resource for those seeking to locate environmental engineering experts for consulting assignments. It also lists the accredited environmental engineering programs at U.S. universities, all those professors who are certified environmental engineering specialists, and those certified environ-

