



Association Of
Environmental
Engineering
Professors

NEWSLETTER

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PRESIDENT'S CORNER

*Before I built a wall I'd ask to know
What I was walling in or walling out*

*From, Mending Wall
Robert Frost*

AEEP's main goals are to strengthen and advance the field of Environmental Engineering through cooperation among members of the academic profession. In the last twenty years our membership has grown from 20 professors to over 200. In my estimation, we have done an excellent job in advancing certain areas of Environmental Engineering — water quality, water treatment, and wastewater treatment. For those who represent these areas, including myself, I have taken the liberty of labeling us "aquaphiles." It is time for the Association to expand the scope of our activities and our membership.

Let me begin by reviewing AEEP's activities and services.

- Newsletter
- AEEP Directory
- Purdue Workshop
- AWWA Seminar
- AEEP Manuals
- Nalco Award
- Engineering Science Award
- Register of Graduate Programs
- Annual Listings of Theses/Dissertations
- Annual Enrollment Survey
- Education Conferences
- Research Needs Conferences
- IAWPRC
- Sponsoring organization of AAEE

Many of these are routine services such as the Newsletter, Directory, etc., but other activities are designed to advance Environmental Engineering. We are concerned about the funding and quality of research. Last year Fran DiGiano testified before a Senate subcommittee about the need for extramural research at EPA. This year the Association was involved in a letter writing campaign designed to inform key members of Congress about the need to continue EPA's exploratory research program. If you have not received by now, you will be receiving shortly the Proceedings of the AEEP/NSF Research Needs Conference. We are concerned about the state and quality of environmental engineering education. Many of you attended the 1980 conference in Toronto. Planning has begun for our next education conference in 1986 or 1987.

As I stated earlier, we do an excellent job of what we take on. We have done this, I might add, over the last

twenty years without ever raising members' dues. The problem is that most, if not all, of our activities and concerns focus on the aqueous environment. Perhaps this is justified since our membership is predominately and our current Board is exclusively "aquaphiles."

I see this as a problem because Environmental Engineering is concerned with more than just the aqueous environment. Our own Bylaws state: "The objectives of the Association shall be: To strengthen and advance the fields of sanitary engineering, water and air resources, environmental health engineering, and related fields ..." Our effectiveness, certainly our credibility, as an organization representing environmental engineering and education is limited as long as we continue to keep this wall around our scope. We should reflect on Robert Frost's advice, and attempt to open and expand our membership and activities to include all of Environmental Engineering.

James K. Edzwald
President

AEEP NEWS AND ANNOUNCEMENTS

Board of Directors Election

The Nominating Committee will propose a slate of six nominees to the Board of Directors at the October meeting. The membership is invited to send the names of suggested nominees to Fran DiGiano, Chairman of the Nominating Committee by September 20.

Fran DiGiano
Dept. of Envr. Sci. & Engr.
School of Public Health 201H
University of North Carolina
Chapel Hill, NC 27514

Outstanding Publication Award Winners

Werner Stumm and James J. Morgan are the first winners of AEEP's Outstanding Publication Award. Werner and Jim won the award for their paper, "Chemical Aspects of Coagulation," which appeared in the *Journal of the American Water Works Association* in 1962. Werner and Jim will be recognized for the award at AEEP's Luncheon Meeting on October 3, at the Water Pollution Control Federation Conference in Atlanta.

Awards Committee

Ray Letterman is the new chairman of AEEP's Awards Committee. The Awards Committee administers the following awards: the *Outstanding Publication Award*, the Engineering Science, Inc./AEEP Award for the Best Doctoral Thesis, and the Nalco Chemical/AEEP Awards for Best Doctoral Theses. If you're interested in serving on the Awards Committee, write to Ray.

Raymond D. Letterman
Dept. of Civil Engineering
Syracuse University
Syracuse, NY 13210

AEEP Luncheon Meeting

The membership luncheon in conjunction with the annual Water Pollution Control Federation Conference is scheduled for Monday, October 3, 1983, at noon. The luncheon will be in the Jarrett room of the Omni International Hotel (tentative) which is adjacent to the World Congress Center, where the technical sessions and exposition will be housed. A letter will be sent to all AEEP members in September confirming these arrangements and supplying additional details.

AEEP Distinguished Lecturer

Professor Perry L. McCarty, Silas H. Palmer Professor and Chairman of the Department of Civil Engineering at Stanford University, is this year's AEEP Distinguished Lecturer. Dr. McCarty will be offering three titles during his lecture series.

1. Movement and fate of organic contaminants in groundwater
2. Biofilm processes for trace contaminant control, and
3. Anaerobic processes for wastewater treatment.

These lectures will be offered between the following dates: January 30-February 4; February 14-18; and February 28-March 4, 1984. Applications for the lecture series will be mailed to all AEEP members in the very near future.

New AEEP Newsletter Editor Named

Effective immediately, Dr. Richard R. Noss joins Dr. Neil M. Ram as co-editor of the AEEP Newsletter. Dr. Noss replaces Dr. Michael S. Switzenbaum who will be taking on the added duties of Acting Coordinator of the Environmental Engineering Program at the University of Massachusetts. AEEP thanks Dr. Switzenbaum for his dedicated service.

New AEEP Newsletter Publications Schedule

The Board of Directors decided at the last Board Meeting to revise the Newsletter Publication Schedule to provide better timing for articles related to the Water Pollution Control Federation, American Waterworks Association, and Purdue Industrial Waste Conferences. The Newsletter will now be published in September, December, and March. The March Newsletter will be mailed to the extended mailing list. Since the Newsletter is published three times yearly and this is the third issue published in 1983, there will be no December issue. The next issue of the Newsletter will be March 1984.

Deadline for the March 1984 AEEP Newsletter

Anyone interested in submitting articles for the March 1984 issue of the AEEP Newsletter should do so no later than January 1, 1984. Articles should be mailed directly to the editors.

AEEP Members Honored

Dr. Benjamin Dysart III, McQueen Quattlebaum Professor of Environmental Engineering Systems at Clemson University, has been elected President of the National Wildlife Federation. Dr. Dysart is a former president of AEEP.

Dr. Raymond C. Loehr, the Liberty Hyde Bailey Professor of Agricultural Engineering at Cornell University, and Dr. John L. Cleasby of the Department of Civil Engineering at Iowa State University, have been elected to the National Academy of Engineering. Election to the Academy is the highest professional distinction that can be conferred on an engineer, and honors those who have made significant contributions to engineering theory and practice, or who have demonstrated unusual accomplishments in new and developing fields of technology. A total of 49 U.S. engineers were so honored this year. Dr. Loehr is a former president of AEEP. AEEP congratulates Dr. Loehr and Dr. Cleasby for this honor.

Dr. John L. Cleasby of the Department of Civil Engineering at Iowa State University was selected by the Environmental Engineering Division of ASCE to give the Simon W. Freese Lecture at the National Conference on Environmental Engineering at Boulder, Colorado, on July 5, 1983.

Dr. Ronald D. Neufeld, Professor of Civil Engineering at the University of Pittsburgh, has been awarded a Senior Fulbright Lecturing Award. He will be teaching at the Hebrew University "Casali Institute of Applied Chemistry," and will also be doing research in the wastewater and solid/hazardous waste area associated with the Israeli Oil Shale pilot plant.

For the time period September 1983 through June 1984, he can be reached at:

The Hebrew University of Jerusalem
Casali Institute of Applied Chemistry
Givat Ram
ISRAEL

Hillel I. Shuval, Lunenfeld-Kunin Professor of Environmental Health and Director, Graduate Program in Human Environmental Sciences at the Hebrew University of Jerusalem, Israel, has been awarded the Environmental Quality Prize by the Minister of the Interior for "outstanding contribution in promoting the quality of the environment in Israel."

During the academic year 1983-84, he will be serving as visiting scholar — Environmental Engineering Program, Division of Applied Sciences, Harvard University, Cambridge, Massachusetts.

Update on AEEP Software Committee Activities

The results of the Software Committee's survey have demonstrated that there is tremendous support for a software manual and a great deal of software available. We received over 70 responses to our mailing. Almost all of those responding would be willing to test the software. Twelve individuals have supplied detailed descriptions of their programs. In addition, 19 individuals have expressed an interest in providing contributions depending on the Committee's needs. Complete descriptions of 35 computer programs have been received and an additional 43 programs have been offered. The Committee is currently seeking external support to put on a Workshop, systematically test the software which has been received, and assemble the documentation in a manual. The Committee will be meeting at the 1983 WPCF conference in Atlanta and any interested individuals can attend. The meeting time and place will be announced in the program. The Committee would like to thank the AEEP membership for their response to the questionnaire. If anyone is interested in receiving additional information, you may contact:

John C. Crittenden
Committee Chairman
Dept. of Civil Engineering
Michigan Technological University
Houghton, MI 49931

GENERAL NEWS

National Association for Environmental Education 1983 Conference

The NAEE 1983 conference will be held September 30-October 5, 1983, in the Hoyt Conference Center, Eastern Michigan University, Ypsilanti, Michigan. The NAEE is a professional association established to assist and support the work of individuals and groups engaged in environmental education, research, and service. For more information, contact:

NAEE
P.O. Box 400
Troy, Ohio 45373
Phone: (513) 698-6493

Views of the Members

Would you like to express an opinion? jog our consciences? incite a controversy? publicly commend someone? or just see your name in print? Write your thoughts down and send them to the editors. We are holding this space for Views of the Members as suggested by AEEP President James K. Edzwald in his February 1983 message.

AEEP was sorry to learn of the death of John J. McCreary of the University of Florida in Gainesville. AEEP extends its condolences to his family and friends.

SHORT COURSE ANNOUNCEMENTS

Brazilian Association of Sanitary and Environmental Engineering Conference

The Twelfth Congress of the Brazilian Association of Sanitary and Environmental Engineers will be held at Balneario Camboriu, Santa Catarina State (Brazil), November 20-25, 1983. For more information, contact:

Paulo Cezar Pinto
Executive Superintendent
ABES
Av. Presidente Wilson, 164
7 Andar
20030 Rio de Janeiro
BRAZIL

WELCOME TO NEW AEEP MEMBERS

Dr. Richard L. Valentine
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Room 2132 Engr. Building
Iowa City, IA 52242
(319) 353-4441

Dr. Alan R. Bowers
Civil & Envir. Engr.
Vanderbilt University
P.O. Box 10, Station B
Nashville, TN 37235
(615) 322-2697

Dr. James J. Morgan
Envir. Engr. Science
California Institute of
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Pasadena, CA 91125
(213) 356-4394

Dr. Bruce A. Bell
Civil, Mechanical & Envir. Eng.
George Washington University
SEAS
Washington, DC 20052
(202) 676-7446

Dr. Joseph J. Delfino
Envir. Engr. Sciences
University of Florida
A.P. Black Hall
Gainesville, FL 32611
(904) 392-0843

Dr. Curtis W. Bryant, Jr.
Civil Engr. & Engr. Mechanics
University of Arizona
Tucson, AZ 85712

Dr. Massoud Pirbazari
Civil & Envir. Engr.
University of Southern
California
213 K, BHE, University Park
Los Angeles, CA 90089
(213) 743-7873

UNIVERSITY OF ARIZONA

Conference on Cyanide and the Environment

Research papers are invited for a conference on Cyanide and the Environment sponsored by the Department of Civil Engineering and Engineering Mechanics at the University of Arizona to be held December 1984. The conference will provide an open forum for presentation of new developments on the environmental aspects of cyanide use and disposal. Three copies of 500-word abstracts are due December 30, 1983, and should be submitted to:

Cyanide and the Environment
Dept. of Civil Engineering
and Engineering Mechanics
University of Arizona
Tucson, AZ 85721

Contact Dr. Dirk Van Zyl at (602) 621-2459 for further information.

CALL FOR PAPERS

AMERICAN INSTITUTE OF CHEMICAL ENGINEERS

The American Institute of Chemical Engineers requests papers for a session entitled "Application of Electro-Chemical Technology to Waste Treatment" to be held in the Summer 1984 National Meeting in Philadelphia, Pennsylvania. Papers are requested that illustrate the utility of electro-chemical techniques to waste treatment. Presentations on both direct electro-chemical methods (e.g., cathodic deposition of metal ions) or direct methods (e.g., oxidation of pollutants by electro-chemically generated oxidants) as well as electrolytic membrane processes are sought. Theoretical and experimental studies are invited. Titles with a 60-word abstract are due by November 18, 1983, to:

Professor Peter S. Fedkiw
Dept. of Chemical Engineering
North Carolina State University
Raleigh, NC 27650
Phone: (919) 737-3572

ACADEMIC MARKETPLACE

SCHOOL: Stanford University
POSITION: Tenure-track; Assistant Professor in Civil Engineering (Fluid Mechanics)
QUALIFICATIONS: Ph.D. with training and/or experience in experimental, theoretical, analytical, and numerical fluid mechanics with particular strength in one of these areas.
RESPONSIBILITIES: Teaching of undergraduate and graduate courses in fluid

mechanics and development of and participation in independent and team research particularly as it interfaces with problems in environmental engineering and science.

APPLICATION

DEADLINE: November 20, 1983.

CONTACT: Prof. Joseph B. Franzini
Dept. of Civil Engineering
Stanford University
Stanford, CA 94305

AEEP PUBLICATIONS

The publications listed below are available from AEEP. Prepayment must accompany all orders. Please forward a check or money order made payable to AEEP to:

Association of Environmental
Engineering Professors
Attn: Dr. Desmond F. Lawler
Dept. of Civil Engineering, ECJ 8.6
The Univ. of Texas at Austin
Austin, TX 78712

Videotapes of the 1982 Distinguished Lecturer (Dr. Charles R. O'Melia) are also available. Contact D.F. Lawler for more for more information.

Quantity	Title	Price (each)	Extension
	Environmental Engineering Unit Operations and Unit Processes Laboratory Manual (ed.: O'Connor)	\$12.00*	
	Aquatic Microbiology Laboratory Manual (Cooper, et al)	\$7.00	
	Proceedings, Fourth Conference on Environmental Engineering Education (June 19-21, 1980, Univ. of Toronto)	\$15.00**	

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Association Of Environmental Engineering Professors

NEWSLETTER

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