PRESIDENT'S CORNER

What is the mission of AEEP? This question has surfaced at more than one recent Board meeting. Perhaps some content we have no mission at all. As is my duty, I could tout our workshops, research awards, distinguished lecturer series, etc. However, our mission runs deeper. AEEP would like to improve the status of our profession as perceived by federal agencies. This is especially challenging at a time when national priorities seem to be directing the attention of EPA and other agencies away from research and training.

AEEP (AAPEE) was founded in the training grant era. It interacted closely with federal agencies in the critical years when our graduate programs were expanding rapidly and issues of curricula development and quality control were very important. The need for interaction is different now. Advancement, or retreat, in the environmental cause hangs in the balance. Federal agencies could use the technological expertise AEEP members have in shaping new legislation and regulations and in deciding how best to conduct research. AEEP could be the catalyst for preparation of position papers forthcoming regulations or the conduct by which AEEP members are appointed to research advisory boards.

Because of its size, AEEP is not an effective lobbying force. We find it difficult to react to policies already set in motion. A case in point is the proposed OMB cut in R & D which includes elimination of extramural funding for water quality research (see my letter of March 19). Aside from the impact of the cut in dollars, this proposal is discouraging because if further attenuates university research from the EPA mission; a national resource is being ignored.

It is understandable to me that AEEP members may feel uncomfortable wrestling with regulatory, legislative and budgetary issues. Such issues are not resolved by applying rigorous scientific methods with which we are so familiar. Yet, this is the reality of public policy. More changes are in the offing as solutions to our nation’s environmental problems continue to elude us. AEEP and its members need to participate and to lead.

F.A. DiGiano

AEEP WORKSHOPS

1. Purdue Conference

The AEEP workshop entitled, “Applying Chemical Structural and Thermodynamic Correlations to Treatment Process Selection” will take place on Monday, May 10, 1982, in room 214 of Purdue’s Stewart Center. The workshop is free to AEEP members and students. Non-members will be admitted on a space-available basis. Please pre-register, by sending your name, title, address, and AEEP membership status to:

Dr. Wm. Brian Arbuckle
Department of Environmental Engineering Sciences
University of Florida
Gainesville, FL 32611
(904) 392-0643

The program for the workshop is as follows:

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:15</td>
<td>Registration</td>
<td>Dr. G. MacKay, Prof., Chemical Engs., Univ. of Toronto</td>
</tr>
<tr>
<td>8:45</td>
<td>Fugacity—Concepts and Application to Air Stripping</td>
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<tr>
<td>10:30</td>
<td>Break</td>
<td>Dr. S. H. Yaikowsky</td>
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<tr>
<td>10:45</td>
<td>Chemical Structure and Biodegradation</td>
<td></td>
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<tr>
<td>13:00</td>
<td>Lunch</td>
<td>Dr. G. Belfort, Assoc. Prof., Chemical and Env. Engs., Navalin Institute Polytechnic Institute</td>
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<tr>
<td>1:30</td>
<td>Solventophobic Theory—Concepts and Application to Reverse Osmosis and Adsorption</td>
<td>Dr. W. Arbuckle, Dept. of Engr. Engs., Rsl., Univ. of Florida</td>
</tr>
<tr>
<td>3:15</td>
<td>Thermodynamic Predictive Adsorption</td>
<td></td>
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</tbody>
</table>
Distinguished Lecturer Tour

Professor Charles R. O'Melia of The Johns Hopkins University was selected as this year’s AEEP Distinguished Lecturer. A schedule of Dr. O'Melia’s presentations, given between March 19-April 2, 1982, is shown below.

<table>
<thead>
<tr>
<th>University</th>
<th>Lecture No.</th>
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<tbody>
<tr>
<td>Georgia Institute of Technology</td>
<td>3</td>
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<td>California Institute of Technology</td>
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<td>Illinois Institute of Technology</td>
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<td>University of Texas-Austin</td>
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<td>Utah State University</td>
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<td>University of Utah</td>
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<td>Colorado State University</td>
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<tr>
<td>University of Florida</td>
<td>3</td>
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<tr>
<td>Miami University (St. Louis)</td>
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<tr>
<td>Pennsylvania State University</td>
<td>1</td>
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<tr>
<td>Drew University</td>
<td>3</td>
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</table>

Lecture No. Topic
2. Integral Analysis of Water Treatment Plant Performance.

ANNOUNCEMENTS

Nalco Chemical Award for the Best Doctoral Thesis on Chemical Research in the Area of Industrial Water and Wastewater Treatment or Combined Industrial/Municipal Waste

An award consisting of $2,560 to be divided between the thesis author and his or her major professor ($1,250 each) will be presented to the selected candidate at the Fall 1982 Water Pollution Control Federation meeting in St. Louis.

This award is sponsored by Nalco Chemical Company under the auspices of the Association of Environmental Engineering Professors (AEEP).

Doctoral theses completed over the past year (8/1/81 - 8/31/82) are eligible for submission for this award year. The research work must be related to the chemical aspects of industrial or wastewater treatment and must be complete at the time of submission since a copy of the dissertation is required for judging.

Submission of theses for consideration begins on or before December 1, 1981. Send 2 copies of the dissertation to:

Dr. Vernon L. Snowykin
Dept. of Civil Engineering
University of Illinois
Urbana, IL 61801
217-333-4700
The Academic Achievement Award Committee of the American Water Works Association is now accepting entries for the 1983 Academic Achievement Award competition. This award is intended to encourage academic excellence by recognizing contributions to the field of public water supply. All Master's theses and Doctoral dissertations that are relevant to the water supply industry are eligible. The thesis or dissertation must reflect the work of a single author, and be submitted for a degree between September 1, 1981, and September 1, 1982. Entries must be postmarked by October 1, 1982, to be eligible for the 1983 award. The best thesis and best dissertation will be awarded $1,000 each, with second place awards of $500 in both categories. In addition, distinguishable commemorative plaques will be presented to winners and their academic advisors at the 1983 American Water Works Association's Annual Conference and Exposition in Las Vegas. Official entry forms and information may be obtained by writing or calling the Academic Achievement Award Committee, American Water Works Association, 8900 W. Quincy Avenue, Denver, CO 80221; (303) 794-7711 ext. 251.

Engineering Science, Inc./ AEEP Award for the Best Doctoral Thesis Relevant to Environmental Engineering Practice

AEEP members are invited to submit Ph.D. theses completed under their supervision during the 1981-1982 academic year (dated June 1, 1981-May 31, 1982) for competition for the above award. The award is a certificate and a $1,000 prize for the Ph.D. candidate and a certificate and a $1,000 prize for the faculty research advisor. A thesis to be eligible it must be completed by the above dates and one copy must be received by Mr. Don Sugah, Engineering Science, Ind., 125 West Huntington Drive, Arcadia, California 91006, prior to June 15, 1983. The judging panel for the award consists of Prof. David Jenkins, University of California, Berkeley, Chairman; Prof. Dean Adrian, University of Massachusetts, Amherst; and a member from Engineering Science, Inc. Each thesis is judged on the basis of 100 points allocated as follows:

- Scientific and Technological Validity of Research (25)
- Originality of Research (25)
- Contribution to Advancement of Environmental Engineering & Science (25)
- Clarity of Presentation (Organization) (25)

The award will be presented at the AEEP Meeting to be held during the WPCC/4th Annual Conference in St. Louis, October, 1982.

Call for Papers

Research papers are invited for the Diffusion Operations and Processes Program for the American Institute of Chemical Engineers (AIChE) 7th Annual Meeting to be held in Los Angeles, California, on November 14-16, 1982. Papers are being sought on "Precipitation Kinetics and Crystalizer Instabilities," and on "Nucleation, Growth, and Crystal Size Distributions." Titles and a 300-1000 word extended abstract should be submitted by April 15, 1982, to:

Prof. Greg D. Borsa
Dept. of Chem. Engineering
Tufts University
Medford, MA 02155
617-628-5000

Prof. Robert W. Peters
Dept. of Civil Engineering
Environ. Engineering
Purdue University
West Lafayette, IN 47906
317-494-2191

Formation of a Working Committee for the Preparation of A Laboratory Manual of Computer Software in Environmental Engineering

The Association of Environmental Engineering Professors is organizing a committee which will gather computer software useful for the solution of environmental engineering problems. The committee will solicit documented computer software and serve as an editorial board of reviewers in assembling this information for publication. The programs and documentation will be compiled and presented as a laboratory manual, similar in format to the current AEEP Unit Processes Laboratory Manual. The committee will organize a workshop at the 1983 Purdue Industrial Waste Conference to present the computer software intended for publication in the manual.

Anyone interested in serving on the committee or providing documented computer software should contact Dr. John Crittenden at the address below. Additional members are especially sought in the fields of aquatic chemistry, systems analysis, computer hardware and microcomputers. The first committee meeting is scheduled for the 1982 Purdue Industrial Waste Conference.
Dr. E. F. Gloyda, Dean of the School of Engineering at the University of Texas in Austin, TX, was recently elected as Chairman of the Environmental Protection Agency's Science Advisory Board.

Address Correction

AEEP members who would like their NEWSLETTER mailed to a different address or who require other address corrections should send such information to:

Thomas M. Keinath
Environmental Systems Engineering
Clemson University
Clemson, SC 29631
803-658-3276

Summer Postgraduate Program

An eight-week postgraduate program has been designed by the Lenox Institute for Research, Inc. to educate participants on the theories and practices of water quality control with special emphasis on flotation technology. Five courses are to be offered in Summer 1982:

1. Flotation and Related Adsorptive Bubble Separation Processes (June 21-July 2)
2. Design and Operation of Flotation Process Systems (July 5-14)
5. Research (to be arranged)

For more information, please contact:

Dr. Lawrence Wang, Manager & Professor
Lenox Institute for Research, Inc.
101 Yoken Avenue
Lenox, MA 01240
(413) 637-1661

AEEP Luncheon

The next AEEP Luncheon will be held on the Tuesday of the Purdue Industrial Waste Conference.

September Newsletter Deadline

Items to be included in the September NEWSLETTER issue must be received no later than July 15, 1982. Please submit any items of general interest to the profession to the co-editors.

ACADEMIC MARKETPLACE

POSITION: Director, Water Resources Research Institute of the University of North Carolina located at N.C. State University in Raleigh.

QUALIFICATIONS: Earned doctorates in engineering, life sciences, or social sciences and a record of significant accomplishment and professional stature in water resources research, education, planning, or management.

RESPONSIBILITIES: Director expected to devote more than 50 percent of time to institute program, with remainder to research, teaching, and public service in water resources biological-academic advancement in department appropriate to training and experience.

APPLICATION DEADLINE: July 1, 1982

CONTACT: Dr. Larry K. Monteith, Chairman, Board of Directors, WRRI, Attn: Professor David H. Havell, 124 Roddick Bldg., N.C. State University, Raleigh, N.C.

SCHOOL: Illinois Institute of Technology

POSITION: Open

QUALIFICATIONS: Ph.D. in Engineering, interest in water, wastewater or industrial waste treatment. Preference will be given to individuals with design and/or industrial experience.

RESPONSIBILITIES: Research, graduate and undergraduate teaching.

APPLICATION DEADLINE: Open

CONTACT: Dr. James W. Patterson, Chairman, Pritzker Department of Environmental Engineering, Illinois Institute of Technology, Chicago, IL 60616 (312) 567-3556
Application for Membership in the Association of Environmental Engineering Professors

Name
Official Title
Business Address
Home Address
Applying for: Membership Status
Attitude Status

PLEASE ATTACH RESUME

Does are payable in the Association on a calendar year basis. The AEEP annual dues payment, prorated according to the date of application, is shown below:

INITIAL DUES PAYMENT REQUIRED BASED ON RANK AND DATE OF APPLICATION

<table>
<thead>
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<th>Rank</th>
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<th>Apr 1</th>
<th>July 1</th>
<th>Oct 1</th>
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<td>Assistant Professor</td>
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<tr>
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<td>15.00</td>
<td>7.50</td>
<td>5.00</td>
<td>2.50</td>
</tr>
</tbody>
</table>

Please return this form, along with your dues to:
D. C. Leslie Grady, Jr.
School of Civil Engineering
Purdue University
W. Lafayette, IN 47907

Enclosed are my AEEP dues in the amount of $_________

Signature
Date

POSITION: Faculty position at the Illinois Institute of Technology, rank dependent on qualifications.
AVAILABLE: Open
DEADLINE: Open
QUALIFICATIONS: Ph.D. in engineering; prefer that individual have some design or industrial experience.
RESPONSIBILITIES: Research; graduate and undergraduate teaching; interest in either water, wastewater or industrial waste treatment.
CONTACT: Dr. James W. Patterson
Pultizer Department of Environmental Engineering
Chicago, Illinois 60616

Association of Environmental Engineering Professors
Attn: Dr. Desdood F. Lawyer
Department of Civil Engineering, EGU 8.6
The University of Texas at Austin
Austin, Texas 78712

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

NOTE: For orders of 1-3 volumes, include $3.00 for postage and handling; for 4-6 volumes, $4.00; for 7-9 volumes, $6.00; for 10 or more volumes, $8.00. These rates apply for Rock Rate postage within the United States. For delivery outside the U.S. or for expedited delivery (by First Class Mail or by UPS), additional postage and handling charges will be billed to you. Please indicate below if you require this special handling.

Quan. Title Price/Guid Extensive
Environmental Engineering Unit Operations and Unit Processes Laboratory Manual (IE/OC/ON) $18.00
Aquatic Microbiology Laboratory Manual (IE/OC/ON) $7.00
Proceedings, Fourth Conference on Environmental Engineering Education (June 19-21, 1960, Univ. of Toronto) $15.00**

*Available to AEEP members at 15% discount or to graduates of today's colleges of environmental engineering for first two years of employment. (IE/OC/ON)
**Available to AEEP members at 25% discount or to graduates of today's colleges of environmental engineering for first two years of employment. (IE/OC/ON)

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