PRESIDENT'S CORNER

Professor Erman Pearson, the first President of AEEP, passed away on August 29. Professor Jerry Thomas, Chair of the Sanitary Group at Berkeley has prepared a dedication for "Erman" which lists his many contributions to our profession. As one of Erman's students, I feel especially honored to have been selected as president of AEEP. I will do my best to honor his memory by executing the duties of the office in a manner which would meet with his approval.

The passing of our first president should remind all of us of the debt we owe to the founders of our Association. We are planning a "silver" anniversary celebration at the WPCF conference in Dallas in 1985 both to celebrate our 25th birthday and pay our respects to those courageous people who laid the foundation of our Association such as ours and were willing to devote their talents to its formation. Joe Matika has agreed to serve as chairman of the organizing committee for this event and will be calling on several of you for assistance.

In addition to being president of AEEP, Erman was also a founding member and president of our international association, IWAPPC. AEEP has always exerted strong leadership in international water pollution control activities and I know that Erman and our other founders would wish us to retain this role. I would like to urge all AEEP members to join IWAPPC and become active in its affairs. Ron Reicht is the Secretary-Treasurer of the USA National Committee (USANCO) for IWAPPC. Please feel free to contact with Ron or any of the other USANCO officers if you would like to participate in international activities.

A most important event for our profession is the Fifth Conference on Environmental Engineering Education which will be conducted on the campus of Michigan Tech. July 21-23, 1986. Bob Balbord, chairman of the conference planning committee, will be sending each of you more information on the conference developments. This is a critical time for many of our programs and all AEEP members are urged to come to the conference and present their ideas on the course that environmental engineering education should follow in the future.

DEDICATION

PROFESSOR ERMAN A. PEARSON
(1920-1985)

Emeritus Professor E. A. Pearson from the University of California, Berkeley died Saturday, August 31, 1985 as the result of a long-standing heart problem. He was a Civil Engineer and well respected International authority on water and waste water pollution. He is survived by his wife, Enid; his daughter Diane Pearson-Penney, and brother Arthur Pearson.

He was born and raised in the state of Washington with an early introduction to sanitary engineering; his family owned and operated a small potable water distribution system. He received a B.S. in Civil Engineering from the University of Washington, 1946; a Master of Science Degree from the Massachusetts Institute of Technology in 1947; and a Doctoral degree in Sanitary Engineering from the same institute in 1949. At the completion of his academic training, he immediately joined the faculty in Civil Engineering at the Berkeley Campus of the University of California. He was rapidly in the academic ranks progressing from Assistant to full Professor and holding the Chairmanship of the Sanitary Environmental Division for many years in the latter part of his tenure. In addition to his academic career he was active as a Consulting Sanitary Engineer. Because of a debilitating heart condition he was forced into early retirement from his academic position in 1961 but maintained an active interest in the consulting area until his death.

Professor Pearson's major research in the academic area was primarily concerned with water resources quality management in the area of water and waste water treatment and technology. A specific fundamental research was directed toward the filtration of waters, utilizing electronic particle counters which gave new insights into the problems and control of aquatic particulate chemistry. He was a pioneer in the particulate aerosol systems measuring mass and area of submicron-size particles.

A major interest in the consulting area was mining water quality control, specifically, pyrochemical kinetics. His expertise in the area of marine pollution started with a comprehensive study of the San Francisco Bay in the 1960s, continuing through the 70's. His unparalleled participation in the Southern California Coastal Viscous Research Project in the 1970's. This work represents a unique mix of quantitative ecological studies.
RETURNING To the Education Conference is jointly sponsored by AEEP and the American Academy of Environmental Engineers (AAEE). This provides these of us in universities an excellent opportunity to engage in discussions with our colleague professionals in practice. It is hoped that these discussions will result in more cooperative efforts in teaching, research, and practice by AEEP members and practicing environmental engineers. So that this can be a continuing dialog, AEEP has created a sustaining membership category for those not affiliated with universities and I would like to urge each of you to contact practitioners with whom you are acquainted and urge them to join us in our endeavors to improve environmental engineering education.

I am looking forward to serving as your president for the coming year. Ques is a small Association so please feel free to get in touch with me directly on any issue which you feel AEEP should address.

John F. Andrews,
President

DEDICATION
relevant economics and practical civil and sanitary engineer.
ning. This work provided the major scientific/technological basis on which Congress passed an amendment to the Federal Water Pollution Act related to design and operation of ocean outfalls.

His experience brought him to London in 1962 to Chair the Marine Waste Disposal Section’s First International Con.
ference on Water Pollution Research and to Japan in 1964 to Chair the Second International Conference. He was a
Senior Fulbright Research Scholar at the University of Oslo,
Norway in the academic year 1962-63. Charter member and
first President of the Association of Environmental Engineer-
ing Professors; and Founding member and President of the
International Association for Water Pollution Research and
an Honorary life member of this Association.

- Acknowledgement -
AEEP thanks Professor J. F. Thomas
for preparing this dedication.

AEEP NEWS AND ANNOUNCEMENTS

New AEEP Board and Officers Elected

The AEEP general membership elected three new members to serve on the AEEP Board of Directors for the 1986-1988 three-year term. Because of the recently approved changes in the AEEP By-laws their terms began with the October General Membership meeting at the WPCF Conference. The directors are:

- E. Robert Baumann, Professor of Civil Engineering, Iowa State University
- Desmond F. Lawler, Associate Professor of Civil Engineering, University of Texas at Austin
- Richard G. Luthey, Professor of Civil Engineering, Carnegie-Mellon University.

The AEEP Board elected John Andrews as the new President of AEEP. The new Vice President is Bob Baumann and Bill Batchelor will continue to serve as Secretary-Treasurer.

Special thanks are extended to the members leaving the Board: John Crittenden, Mike Saunders, and Viv Snodrijk. Mike Saunders will continue to serve as Past President for the coming year.

Distinguished Lecture Tour

The Distinguished Lecturer for 1986 is Professor Donald J. O’Connor. Requests for visiting Professor O’Connor have been received by the Distinguished Lecturer Committee. It is anticipated that an itinerary for Professor O’Connor will be announced in early January.

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 1985-1986 academic year (dated June 1, 1985-May 31, 1986) 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. For a thesis to be eligible it must be completed by the above dates and one copy must be received by Mr. Jack Pratt, Engineering Science, Inc., 125 West Huntington Drive, Arcadia, California 91006, prior to June 15, 1986. The judging panel for the award consists of Prof. Walter J. Weber, Jr., University of Michigan, Prof. Yavuz Cecioglu, City College of New York 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 and Science: 40
- Clarity of Presentation (Organization): 10

The award will be presented at the AEEP Meeting to be held during the WPCF 5th Annual Conference in Los Angeles, October, 1986.
Preparations are moving along for the Education Conference to be held on the Campus of Michigan Technological University, Houghton, Michigan, July 21-23, 1986. This Conference will provide an opportunity for critical discussion of crucial issues facing Environmental Engineering Education in the areas of computer-aided, integrated approaches, design and operation. Moreover, the July date, coupled with the University setting at Houghton, Michigan, along the beautiful southern shore of Lake Superior will provide excellent opportunity for combining professional and vacation activities.

The Conference will deal with environmental engineering education at both the advanced undergraduate and graduate levels; however, special attention will be given to the M.S. level as preparation for research and professional practice. Research is an integral part of both the environmental engineering profession and graduate education at the masters and doctoral levels, and, because of this, research issues are deeply embedded in the conference fabric. The Conference will be the fifth in a series co-sponsored by the American Academy of Environmental Engineers (AAEE) and AEEP. Previous Conferences were held at Harvard in 1980, Northwestern in 1981, Drexel in 1973, and Toronto in 1980.

The focal issues and corresponding Task Committee Chairman of the Conference are:
- Role of Computers in Environmental Engineering Education and Research
  - John C. Critten, Michigan Technological University
- Integrated Air, Water, Land Approaches in Environmental Engineering
  - P. Mac Berthoux, University of Wisconsin-Madison
- Role of Design and Operation in Environmental Engineering Education
  - Davis Ford, Engineering Science

Task Committees have prepared initial and second drafts of position papers on each focal issue. These papers were reviewed at a Conference Planning Symposium held in Houghton on August 21-22. Additional review and discussion took place during Task Committee meetings held at the Kansas City WPU Conference. It is planned that the Position Papers will be completed and distributed to the membership of AAEE and AEEP during April. Substantial partial financial support for the Conference has been obtained via grants from the National Science Foundation ($30,003) and the Michigan Technological University Century 15 Campaign ($14,000).

The format of the Conference will be similar to that of previous education conferences with summaries and initial discussion of the position papers on the first day, followed by Task Committee sessions on the afternoons of the second day, and a plenary session to discuss and demonstrate approaches to the sub-issues raised in the position papers.

The Computer Group has effectively built on the nearly two years of work put in by John Critten's AEEP Software Committee and plans to release the AEEP Software Manual at the Conference. That group will sponsor a Teaching Forum as well as a Research Forum featuring several presentations on computer applications. In addition, the afternoons of the second day will feature a SOFTWARE EXPOSITION at which up to twenty-five main and main frame stations will be available for informal demonstration and discussion of the programs featured in the AEEP Manual. Diskettes will be available for copying programs.

Each position paper will deal with:
- Present and future educational and research needs. Various ways to meet these needs will be discussed and plans presented.
- Key sub-issues to be treated in each of the position papers include:
  - Appropriate Competence and Skill in Programming and Numerical Analysis at the BS and MS levels.
  - Application of General Purpose, e.g. spreadsheet, and special purpose software to teaching and research.
  - Application to Instrumentation and Control.

Integrated Approaches
- Multimedia Knowledge and Skills Required in Practice. Particularly those Required to Deal with Hazardous Wastes and Risk Assessment.
- Role of Research at the M.S. and Ph.D. Levels
- Appropriate Laboratory Facilities, Equipment and Experiences.

Design and Operation
- Design and Operation Skills Required by the Profession.
- Incorporation of the Integrated Approach into Design.
- Appropriate Emphasis on Design and Operation at the B.S. and M.S. Level. Specific Examples.

At the Conference, the positions taken on major issues will be discussed, debated, and perhaps revised in an effort to reach consensus positions. Individuals wishing to take an active role in the development of the position papers should contact the appropriate Task Committee Chairman.

Houghton is served by Republic Express and Simmons Airlines with seven daily flights from Minneapolis, Chicago and Detroit. It is estimated that a Conference air fare rate will be available from Republic Airlines. The possibility of a Conference Charter Flight from and to Chicago is under investigation. By car, it is a beautiful six hour drive from either Minneapolis or Milwaukee. A large block of hotel rooms ($30-$40/night) have been reserved. In addition, a large number of dormitory rooms ($7-$9/night) and furnished University Apartments ($110/week for two bedroom) are available.

Pre and post conference "workshops" on Lake Superior Sport Fishing are planned for the afternoons of Sunday, July 20 and Wednesday, July 23. Enrollment in these "workshops" is limited and requires preregistration. An "Alternative Conference" for spouses will highlight the natural and cultural history of the region and will feature the alternative to mall shopping, traffic lights and expensive restaurants. Houghton is the gateway to Isle Royale National Park and several excellent State Campgrounds. It would be possible to couple the Conference to a camping vacation or subsequent wilderness excursion to Isle Royale National Park.

For additional information, contact C. Robert Bailard, Conference Chairman, Civil Engineering Department, Michigan Technological University, Houghton, Michigan 49931. Telephone: 906-478-2530
Nominations for AEEP 1986
Outstanding Publication Requested

Nominations are requested for the AEEP 1986 Outstanding Publication Award. This award is given annually to a land-mark paper that has had a lasting influence on the envi-ronmental engineering field. Each nomination should be accompanied by a statement indicating how the paper has influenced the field and why the nominator thinks the paper is in the landmark category. Authors need not be members of AEEP.

Send all nominations and accompanying statements to:
Dr. James M. Symons, Chairman. Outstanding Publication Award Committee, Department of Civil Engineering, Univer-sity of Houston-University Park, Houston, Texas 77004.

The deadline for nominations is June 1, 1986. The award will be presented at the 1986 WPFC Conference.

IAWPRC is for You!
The International Association on Water Pollution Research and Control (IAWPRC) was formally organized in 1962 having grown out of several international conferences on water pollu-tion research organized in the early 1960's. IAWPRC is the lead organization that deals with all aspects of water pollution control in the international arena.

IAWPRC is managed by a Governing Board that con-sists of representatives of each National Committee. In the US, the United States of America National Committee (USANC) is the representing group. It consists of two delegates and two alternates that are appointed by each of six sponsoring organizations including ACS, AEEP, ACHE, ASCE, ASM, and WPFC. USANC coordinates all of the USA's activities relative to IAWPRC.

IAWPRC's activities center on the international exchange of information in water pollution control. This is achieved in many ways. The primary avenue is through biennial interna-tional conferences that have been held at many locations throughout the world during the past two decades. The next biennial conference is scheduled for 17-22 August 1986 to be held in Rio de Janeiro. It promises to be an excellent con-ference; technically as well as socially. The 1988 conference is scheduled for London, 1990 for Tokyo, and 1992 for Washington DC.

Another avenue through which IAWPRC meets its infor-mation exchange objectives is through its sponsorship of regional and specialized conferences (5-8) are scheduled per year on all aspects of water pollution control. It also sponsors task groups that are charged to carry out an investigation within a finite time scale and study groups that have an ongoing program of activities. Study groups that are currently active focus on topics such as water virology, biological phosphorus removal, instrumentation, and microcomputers. Many IAWPRC members become actively involved in these types of activities.

Finally, IAWPRC is actively involved in publishing. It publishes two leading refereed international technical journals: Water Research and Water Science and Technology. It also publishes many books, a regular newsletter and a directory/ yearbook.
CALL FOR PAPERS

Symposium on Environmental Chemistry Education at the Graduate and Undergraduate Level

This symposium will be held in Anaheim, California (1986 ACS Meeting) on September 7-12, 1986. Example areas for papers include:

- History of Environmental Chemistry, Teaching and Programs
- Environmental Chemistry as a Discipline, Sub-discipline, and Applied Interdisciplinary Areas of Science and Engineering
- Role of Undergraduate Courses for Science, Engineering, and Non-science Majors
- Needs for Graduate and Undergraduate Programs - Curricula Used
- Teaching Resources Available - Use of Microcomputers
- Desirable Backgrounds for Graduate Students in Environmental Chemistry, Environmental Engineering, etc.
- Role of Laboratories in Teaching

All interested people please contact:
Dr. Alan W. Elzerman
Environmental Systems Engineering
Rhodes 401
Clemson University
Clemson, SC 29634-0919

The Canadian Society for Civil Engineering Annual Meeting

Toronto - May 14-16, 1986

This year it is proposed that there will be one thematic day to demonstrate how the various branches of Civil Engineering interact for the benefit of society. In addition, there will be two other Environmental Engineering Division days available for research and technical papers on all aspects of environmental engineering.

Engineers and aquatic scientists are invited to submit abstracts to be considered for presentation at this conference. Papers accepted for presentation will be reviewed for possible publication in the Canadian Journal of Civil Engineering. Abstracts should be sent as soon as possible to:
Professor P. F. Jones
Department of Civil Engineering
Institute for Environmental Studies
University of Toronto
Toronto, Ontario, M5S 1A4
Telephone (416) 978-7078

IAWPRC 13th Biennial International Conference

Rio de Janeiro, August 17-22, 1986

Deadline: 31 December 1985
Lay sheets can be obtained directly from:
IAWPRC
1 Queen Anne’s Gate
London SW1H 9BT, ENGLAND

American Institute of Chemical Engineers 1986 Summer National AIChE Meeting

Boston, Massachusetts
August 24-27, 1986

A special session on “Emerging Techniques for Heavy Metals Separation” is planned for the Summer National AIChE Meeting. This session is part of the block programming effort of the Environmental Division; 35 environmental sessions are planned for this meeting.

Availability of Conference Proceedings

The Proceedings of the First International Conference on Management Strategies for Phosphorus in the Environment held in Lisbon, July 1985 are now available. The 69 papers presented cover eutrophication, phosphorus in the water cycle, biological phosphorus removal, chemical phosphorus removal technology, phosphate sludge and the current status of phosphorus management. The Proceedings may be obtained by writing and enclosing a check or money order for $49.00 US (inclusive of postage and shipping) made payable to “Tektron International” addressed to: Tektron International, PO Box 315 SUB P.O. No. 11, Edmonton, Alberta, Canada T6E 2E0
The School of Civil Engineering at Georgia Institute of Technology is seeking applicants for two tenure-track faculty positions in Environmental Engineering. Candidates must have a doctorate in engineering, with the ability to develop independent research and teach both undergraduate and graduate courses. The available positions are in the following areas:

1. **Design and Management of Pollution Control Systems**: Candidate must have a strong background and practical experience in design, control and optimization of industrial and domestic water and waste treatment systems, including the control and management of toxic and hazardous substances. Experience with computer-aided system design and process optimization and the ability to develop courses in these areas are desired.

2. **Physico-Chemical Treatment Systems**: Candidate must be an engineer with a strong background in theoretical and practical aspects of conventional or innovative physico-chemical treatment processes used in municipal or industrial water and waste treatment, including groundwater remediation. Experience in computer modeling and analysis of natural and engineered process systems is desired.

Rank and salary for the positions are open and will be commensurate with qualifications. Candidates should submit a detailed resume, names of references, and position and salary required to:

Dr. J. Edmund Fitzgerald, Director Georgia Institute of Technology Atlanta, GA 30332 Telephone: (404) 894-2201

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**University of Texas at Austin**

The University of Texas at Austin is looking for Post-Doctoral Associates in one or more of the following areas:
- hazardous waste management
- transport and fate of pollutants in ground and surface waters
- water and wastewater treatment processes
- water resource systems planning and management

Inquiries should be directed to:

**Graduate Advisor:**

Environmental and Water Resources Engineering Department of Civil Engineering (ECE 8.6)

The University of Texas at Austin
Austin, Texas 78712-1076
Telephone: (512) 471-5602

**Environmental Engineer**

Proctor & Gamble has an immediate entry-level opening for a Ph.D. or postdoctoral environmental engineer in the Environmental Safety Department at the Ivorydale Technical Center, Cincinnati, Ohio. This position offers a combination of environmental research and issue management. The position requires an individual with the ability to develop and apply practical laboratory models/methods which predict the fate and transport of materials in water and wastewater treatment and a demonstrated ability to solve practical problems. The individual's background and experience should include chemistry, biology and modeling, knowledge of fate and transport of materials in surface water and groundwater systems is important, some familiarity with sludge treatment and disposal is desirable.

Candidates must be U.S. citizens or hold a permanent resident visa and should send their resumes with publications list by January 10, 1996 to:

Dr. T. J. Logan, Manager
Ph.D. Recruiting
Environmental Engineer
The Proctor & Gamble Company
P.O. Box 39175
Cincinnati, Ohio 45247

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**WELCOME TO NEW AEEP MEMBERS**

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<td>University of South Carolina Columbia, South Carolina</td>
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<td>Dr. Cass T. Miller</td>
<td>Environmental Sciences &amp; Engineering University of North Carolina, Swabi H</td>
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<td>East Tennessee State University</td>
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<td>Civil Engineering University of Massachusetts Amherst, Massachusetts</td>
<td>(413) 545-0685</td>
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- McKay, D., "Environmental Modelling with Tgigacity" $5/week $5/week

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Association Of Environmental Engineering Professors

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