



Newsletter

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PRESIDENT'S CORNER

Periodically, the question arises, "What does AEEP do for me?" Because the individual asking that question usually addresses it to himself in the final throes of disengaging from the organization, an answer is not forthcoming. Or the answer is simply a reflection of the individual's already perceived reasons for no longer belonging to the Organization, some of which may be quite valid such as change in career orientation within academia or leaving the teaching arena.

At the December Board of Directors meeting, this issue arose in response to the departure of one of our members and we felt that an attempt at answering the question, what does AEEP do for its members, with subsequent publication in the Newsletter would be worthwhile.

The outgoing President, Charlie O'Melia, offered to structure a statement and the result of his efforts is contained below.

What Does AEEP Do For Its Members?

The primary goal of the Association of Environmental Engineering Professors is to advance the education of environmental engineers. Other professional groups (e.g., ASCE, ASEE, ACS, AIChE, AAEE) are also properly concerned with environmental engineering education and make important contributions to it, but only AEEP is uniquely concerned with sustaining and improving education in this field. The Organization provides a focal structure for the talents, interests, and efforts of faculty in environmental sciences and engineering to address problems and concerns in environmental engineering education collectively.

To achieve this goal, the Organization sponsors a diverse spectrum of activities. A representative listing includes (a) preparation and distribution of teaching materials; (b) sponsorship and organization of conferences on environ-

mental engineering education; (c) workshops on research and teaching; (d) sponsorship and administration of research awards; (e) participation in the development of accreditation guidelines; (f) representation of academic interests to professional, governmental, and public groups; (g) publication of the AEEP NEWSLETTER; (h) collection, analysis, and dissemination of information describing environmental engineering education, research, and manpower; and (i) general meetings of the membership. A brief description of some of the activities follows.

In the past, members of AEEP perceived a lack of suitable teaching materials in such areas as aquatic microbiology, aquatic chemistry, and unit operations. Laboratory manuals were prepared and tested. These have received widespread adoption and have probably stimulated additional commercial efforts as new needs arise. Examples include useful teaching materials in systems analysis and in air pollution; others may be apparent to members. The successful past history of these AEEP activities provides a sound base for new developments.

AEEP has provided major inputs to past conferences on Environmental Engineering Education. The Fourth Conference to be held in Toronto in June, 1980, is being sponsored, organized, and implemented by AEEP with assistance from AAEE. Past conferences have had important effects on many aspects of graduate and undergraduate environmental engineering education, including curricula. As environmental problems shift from pathogenic diseases, oxygen-consuming wastes, and aesthetics to cancer, trace toxic chemicals, and ecological stability, our educational programs will adapt to confront and resolve these new issues. The forthcoming Toronto conference is a continuation of past efforts and a beginning of future developments.

AEEP has sponsored workshops dealing with research and with teaching. Examples of the former include the Bahamas workshop on mathematical modeling and the NSF conference on research needs in water and wastewater treatment. The annual Purdue workshops are often focused on information for current use in teaching. Excellent examples include the 1977 workshop on statistics and the

PRESIDENT'S CORNER (continued)

1979 workshop on systems analysis. The 1980 workshop, entitled "Process Scaleup in Sanitary Engineering" should be another valuable and stimulating experience. Suggestions and efforts for additional conferences or workshops are welcomed.

Through the generosity of Engineering-Science, Inc., and the Naico Chemical Company, AEEP is able to provide annually three awards for outstanding Doctoral research. These awards recognize both the successful Doctoral students and their faculty advisors. Through these awards, the sponsoring organizations and AEEP seek to recognize outstanding research and to stimulate future research efforts.

AEEP is established and working well. Past and present services to AEEP members are illustrated by the examples summarized previously. These accomplishments really represent AEEP members working with each other, contributing to each other, and moving toward the common goal of advancing environmental engineering education.

On behalf of AEEP, I thank Charlie for these thoughts and encourage comments from the membership on this subject.

In closing, my thought on the subject is that what AEEP does for its members is in large measure what its members do for themselves, and their fellow members. Participation on committees and coming to the front with ideas and the willingness to expend the energy to carry these ideas to fruition by the members is the substance of AEEP. It is a mutual benefit organization and depends heavily upon the membership for continued development and productivity.

With the Purdue Workshop and Toronto Education Conference, I look forward to an interesting and productive year for AEEP.

Roger A. Minear

AEEP ELECTS NEW BOARD MEMBERS

Three new AEEP Board of Directors members have recently been elected by the membership. A brief biographical sketch of each is presented below.

Jon C. Liebman received his BSCE from the University of Colorado in 1956; MS in 1963 and Ph.D. in 1965 from Cornell University; and was a U.S. Navy Commissioned Officer from 1956 to 1961. He was assistant and associate professor of Environmental Engineering, The Johns Hopkins University from 1965 to 1972; professor of Environmental Engineering, University of Illinois at Urbana-Champaign from 1972 to present; Associate Head of Civil Engineering from 1976 to 1978 and from 1978 he has served as Head of Civil Engineering. He received the Western Electric Fund Award, ASEE, 1968-1969. He has

served on the Register Committee (1972-73) and Education Committee (1973-1974) of AEEP. He has served as Chairman from 1978 to present on ASCE's Committee on Publications, Urban Planning Division; and on the Committee on Publications, Environmental Engineering Division during 1979. Also, he has served on the Water Pollution Control Planning Committee from 1972 to 1976 and as its Chairman from 1974-75. He is a member of AWWA, WPCF, The Institute of Management Sciences, Operations Research Society of America. He was Associate Editor of *Water Resources Research* from 1973 to 1976. He has served the Illinois Environmental Protection Agency, Technical Advisory Committee on 208 Planning and served as Chairman from 1976 to 1979. His research activities are in water resources systems analysis, solid waste collection, applications of operations research methods to urban and environmental problems.

Donald T. Lauria received his education in Environmental Engineering at Manhattan College, Syracuse University, and the University of North Carolina at Chapel Hill. From 1956 to 1960, he worked as Sanitary Engineer with the Chemstrand Corporation in Pensacola, Florida, where he was responsible for waste disposal and surveillance of receiving waters. From 1960 to 1965, he was Project Engineer with O'Brien and Gere in Syracuse, New York where he worked on municipal and industrial studies, planning and design projects for water and wastes. Since 1965, he has been on the faculty of the Department of Environmental Sciences and Engineering at University of North Carolina in Chapel Hill where he holds the position of Professor and serves as Director of the Water Resources Engineering program. His teaching/research interests and his publications are in two major areas (1) modeling natural aquatic systems, and (2) use of mathematical models for the planning and design of environmental systems. He is particularly interested in the problems of developing countries and is currently on sabbatical leave with the World Bank.

Francis A. Digiano received his BS in Civil Engineering from the University of Massachusetts, MS in Sanitary Engineering from Tufts University and PhD in Sanitary and Water Resources Engineering from the University of Michigan. He has been on the Civil Engineering faculty of the University of Massachusetts for over ten years and is currently the Coordinator of the Environmental Engineering Program. His research focuses on physical and chemical treatment technology with emphasis on adsorption and mathematical modeling for process descriptions. In 1977, he received a Von Humboldt Research Fellowship for adsorption studies at Karlsruhe University in Germany. He has served as chairman of the Industrial Relations and Research Committees of AEEP and as a member of the AEEP/Naico PhD Dissertation Awards Committee. He has just completed a term as a branch president of the Boston Society of Civil Engineers Section of ASCE and currently serves on the National Academy of Sciences Safe Drinking Water Committee and as chairman of the AWWA T & P Research Committee on Organic Contaminants.

AEEP BOARD ELECTS NEW OFFICERS

At their December 17, 1979 meeting in Arlington, Virginia the AEEP Board of Directors elected new officers for 1980. They are:

President: Dr. Roger A. Minear
Department of Civil Engineering
University of Tennessee
Knoxville, TN 37916
(615) 974-3320

Vice President: Dr. Benjamin C. Dysart, III
Department of Environmental
Systems Engineering
Clemson University
Clemson, SC 29631
(803) 656-3276

Secretary-Treasurer: Dr. Clifford W. Randall
Department of Civil Engineering
Virginia Polytechnic Institute and
State University
Blacksburg, VA 24061
(703) 951-6131

O'MELIA, NOVAK AND DAGUE RETIRE FROM BOARD

The December meeting marked the end of the terms of service for three members of the AEEP Board of Directors. They are: Charles R. O'Melia, John T. Novak and Richard R. Dague. The membership certainly is indebted to all of them for the fine manner in which they have served during the past three years. A special thanks should go to Charlie who has served with distinction as Vice President and then President of the organization.

We can testify from first hand experience that Board meetings can be long, tedious, and sometimes even downright boring. Nevertheless, an active Board of Directors is a necessity for an organization such as ours. We are indeed fortunate to have found individuals such as these to serve in these important, time-consuming and unfortunately, often thankless jobs.

The Editors

RECENT BOARD ACTIONS

Several articles in this NEWSLETTER refer to actions taken by the Board of Directors at their December meeting.

Other actions of general interest are:

1. Emeritus memberships for Bob Snider and Bob Ruhl were approved.
2. It was decided to plan no official AEEP activities in conjunction with the ASCE EED Conference in New York in July because so many other conferences are being held during late spring and early summer.
3. It was decided to issue a special edition of the NEWSLETTER annually. This issue will be sent to a much wider audience than other NEWSLETTERS. Each of the special editions will have some central

theme such as salaries, enrollment trends, research needs, etc.

4. No workshop will be held in conjunction with this year's AWWA Conference because of the overlap with the Environmental Engineering Education Conference in Toronto.

AEEP FINANCIAL STATEMENT FOR 1979

The Association ended the 1979 year with assets totaling \$19,343.63. The breakdown on assets, as of December 15, 1979 was:

Checking Account	\$ 1,662.39
Savings Accounts	12,071.22
Publications Account	5,610.02
Total	\$19,343.63

However, at the start of the year (January 1, 1979), total assets were \$20,908.03. Thus, over the period of accounting there was a net decrease in assets of \$1,564.40. This, too, is misleading, because the actual difference in general fund income and expenses was a net decrease of \$2,595.65. Income totaled \$5,563.28, all but \$150.00 from dues payments, while expenses totaled \$8,158.93. The general fund deficit was partially offset by savings account income of \$954.03, and publications account net income of \$77.22.

Principle expenses for the year were as follows:

Workshops at Purdue and AWWA	\$1,807.45
Board Meeting Expenses	1,797.97
Planning Expenses for Environmental Engineering Education Conference	1,305.43
Newsletter	1,130.12
Office Expenses	972.25
Dues to USANC	500.00
Government activities	374.86

Primary expenditures were for service to the membership and the profession through workshops, the newsletter and the upcoming education conference in Toronto this summer. Board meeting expenses would be somewhat higher if some members of the Board did not charge their travel expenses to other sources of funds.

In summary, the Association has a significant surplus of funds, but this surplus, plus the income from interest, is needed to avoid an increase in dues.

Cliff Randall

LET US KNOW WHAT YOU THINK

At the December Board meeting it was suggested that a "Letters" column would be a useful addition to the NEWSLETTER. We agree, so write and tell us what is on your mind. All letters should be typed, oriented toward some topic of general interest to the profession and submitted before April 4, 1980. Letters are subject to editing as necessary.

The Editors

WELCOME TO NEW AEEP MEMBERS

Jerry Lee Anderson
Dept. of Civil Engineering
Memphis State University
Memphis, TN 38152

Phillip B. Bedient
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Rice University
Houston, TX 77001

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University of Houston
Houston, TX 77004

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3230 CEB
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Ottawa, Ontario, Canada K1N 9B4

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P.O. Box 2754
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Easton, PA 18040

John S. Zogorski
School of Public and Envir. Affairs
Poplars, Room 430
Indiana University
Bloomington, IN 47405

AEEP DISTINGUISHED LECTURER

Richard I. Dick, Joseph R. Ripley, Professor of Engineering, Cornell University, has been selected as the Association's Distinguished Lecturer for 1979-80. Professor Dick is well known for his extensive research on sludge properties, sludge thickening and the integration of sludge processing and disposal schemes. In addition, Professor Dick has been very active in the affairs of AEEP.

The itinerary is currently being arranged and will soon be made public by Lee Christensen, chairman of the selection committee.

DEADLINE FOR APRIL NEWSLETTER

The deadline for the April NEWSLETTER is Friday, April 4, 1980. Strict adherence to this date will insure delivery before the Purdue Conference. If you have any news of general interest to the profession, please submit it to the Editors at the following address:

J. F. Judkins, Jr. and J. M. Morgan
Co-Editors, AEEP NEWSLETTER
Department of Civil Engineering
Auburn University
Auburn, AL 36830
(205) 826-4320

AMERICAN ACADEMY OF ENVIRONMENTAL ENGINEERS

Recently several individuals have expressed an interest in knowing more about the goals and purposes of AAEE and especially about the relationship of that organization to AEEP. Walt Purdom, the AEEP representative to AAEE, has prepared the following summary which should answer most of these questions.

The American Academy of Environmental Engineers is an outgrowth of the American Sanitary Engineering Intersociety Board, founded in 1955. The present designation was assumed after several steps from 1966 to 1973. Its purpose is to improve practice, elevate standards and advance public recognition of environmental engineering.

A major activity of the Academy of Environmental Engineers has been to certify as "diplomates," engineers with special competency in environmental engineering in the special areas of Air Pollution Control, General Environmental Engineering, Industrial Hygiene, Radiation Protection, Solid Waste, Water Supply and Wastewater. (The general designation is particularly applicable to persons working in public health.) An engineer must possess a baccalaureate degree in engineering (or related field approved by the Board) and be registered as a professional engineer. Applicants must have 8 years of acceptable environmental engineering experience, 4 years of which shall be in responsible charge in one or more specialty areas.

Of special interest to members of the Association of Environmental Engineering Professors, the Board at this year's annual meeting affirmed that full time advanced education leading to a degree in environmental engineering could be counted as professional experience. (However, a person cannot count the same calendar period twice in meeting the years of experience required.) A Master's degree will be counted up to one year's experience and a Ph.D. is equated up to three years' experience.

When AEEP became one of the sponsors of the Academy, its members for a limited period of time were eligible to be certified on the basis of experience. That period has ended. Now, an applicant who meets all other requirements may seek certification on the basis of 15 years of acceptable experience, which is the basis of an oral examination on the quality of the experience. Otherwise, the applicant takes a written and oral exam.

In addition to certification, members of AEEP are also interested in activities of the Academy in advancing educational criteria. The Academy has sponsored three conferences on Environmental Engineering Education. AEEP has joined in these since its inception. The Academy has also developed criteria for accreditation of graduate and undergraduate programs in environmental engineering education in conjunction with AEEP and ASCE.

The Academy is going to consider during the coming year other activities it should pursue. Members of AEEP who have become diplomates should make their views known by writing to the Executive Director or to AEEP's representative

P. W. Purdom, Director
Environmental Studies Institute
Drexel University
Philadelphia, Pennsylvania 19104
(215) 895-2265

In a related item it has recently come to the attention of the AEEP Board of directors that each of the sponsoring organizations of AAEE (AEEP is one) is allowed to submit a list of up to five (5) of its qualified members to the Academy for consideration for certification each year. While the qualifications for these candidates are no different than those from candidates who would apply on their own, it is implied that an endorsement by a sponsoring organization enhances the applicant's chances for certification.

AEEP members interested in being considered for AEEP endorsement should send a statement of their qualifications to:

Dr. Clifford W. Randall
AEEP Secretary-Treasurer
Department of Civil Engineering
VPISU
Blacksburg, VA 24061

The AEEP Board of Directors will make the selections for endorsement as its Spring meeting in Lafayette, Indiana just prior to the Purdue Industrial Waste Conference.

The basic qualifications for AAEE Membership are:

B.S. degree
8 years of experience
P.E.

The applicant must take both a written and oral examination. If the applicant has 15 years of experience, then only the oral exam may be required.

AEEP DELEGATES TO USANC

AEEP is represented on the USA National Committee (USANC) in IAWPR by four members, comprised of two delegates and two alternates. Our present members are Richard I. Dick and Frederick G. Pohland; present alternates are Earnest F. Gloyna and Wesley O. Pipes. Appointments as delegates and as alternates are each for four years; it is expected that alternates will replace delegates as the terms of the latter expire.

The term of Richard I. Dick will expire at the forthcoming IAWPR Conference in Toronto. Our new delegates will then be Frederick G. Pohland and Earnest F. Gloyna; Wesley O. Pipes will continue as an alternate. The Association will nominate a new "alternate delegate" to USANC at the Toronto conference in June. If you are interested in serving as an alternate delegate, contact President Roger A. Minear. Requirements include membership in both AEEP and IAWPR. The Board of Directors of AEEP will select our nominee at its meeting at the Purdue Industrial Waste Conference in May, 1980.

MEETINGS OF INTEREST

FOURTH NATIONAL CONFERENCE ON ENVIRONMENTAL ENGINEERING EDUCATION JUNE 19-21, 1980 UNIVERSITY OF TORONTO, CANADA

The Fourth Conference on Environmental Engineering Education has been scheduled in Toronto during the three-day period immediately preceding the IAWPR International Conference (also located in Toronto) and the Annual APCA Conference in Montreal. This timing and location is intended to encourage maximum attendance of North American and foreign academicians, as well as others interested in environmental engineering education.

Draft position papers are now being developed for the conference by four work groups, each under the leadership of co-chairmen. The conference issues, together with the co-chairmen and their addresses, are listed below:

*Excellence in Environmental Engineering Education

Perry McCarty Civil Engineering Dept. Stanford Univ. Stanford, CA 94305 415/497-3504	Charlie O'Melia Envir. Sciences and Engineering Univ. of North Carolina Chapel Hill, NC 27514 919/966-1171
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*Relationship of Baccalaureate to Graduate Environmental Engineering Education

Don Aulenbach Envir. Engineering Rensselaer Polytechnic Troy, NY 12181 518/270-6541	Pat Brezonik Envir. Engineering Sciences Univ. of Florida Gainesville, FL 32601 904/392-0843
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*Curricular Balance in Environmental Engineering Education

Ernie Gloyna College of Engineering Univ. of Texas Austin, TX 78712 512/471-1166	Hal Cooper Civil Engineering Univ. of Texas Austin, TX 78712 512/471-4921
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*Micro vs Macro Orientation in Environmental Engineering Education

Paul Busch Malcom Pirnie, Inc. 2 Corporate Park Drive White Plains, NY 10602 914/694-2100	Dan Okun Envir. Sciences and Engineering Univ. of North Carolina Chapel Hill, NC 27514 919/966-1171
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Persons wishing to provide input to the work groups for their consideration in development of the position papers should directly contact one of the co-chairmen managing the conference issue of interest. Draft position papers are to be completed by April 30. Therefore, input should be provided as soon as possible.

The conference will also present status reports on four aspects of environmental engineering education. These status reports are intended to provide an accurate picture of the present state of academic programs in environmental engineering. The status reports and authors are:

- Programs, Degrees and Faculty — Roger Minear
- Enrollment Trends, Students Graduated and Placement — Aarne Vesilind
- Manpower Needs: Numbers and Skills — Joe Middlebrooks
- Research and Other Program Funding — Stan Klemetson

All AEEP members are urged to provide such assistance and data as are requested by the status report authors.

The conference has generated broad interest and numerous inquiries from both the U.S. and other countries. Further details on the conference can be obtained from Jim Patterson, Conference Chairman.

Dr. James W. Patterson, Chairman
Pritzker Department of Environmental
Engineering
Illinois Institute of Technology
3200 South State Street
Alumni Building — Room 103
Chicago, Illinois 60616
(312) 567-3535

ROTATING BIOLOGICAL CONTACTORS

The University of Pittsburgh, the U.S. Environmental Protection Agency, and the U.S. Army Construction Engineering Research Laboratory are sponsoring a three-day national symposium on Rotating Biological Contactor Technology at the Seven Springs Mountain Resort, Champion, Pennsylvania. The experts from many countries representing regulatory agencies, industries, consulting engineers, manufacturers, and Universities will exchange the concept and idea related to the practical application of rotating biological contactors for the treatment of both municipal and industrial wastewaters. In addition to the technical paper presentations, a workshop, equipment exhibits, and facility tour will be also arranged. Fee: one day (\$35 per person), three days (\$75 per person), Student (\$20 per person). For further information, contact:

Dr. Yeun C. Wu
944 Benedum Hall
Department of Civil and
Environmental Engineering
University of Pittsburgh
Pittsburgh, Pennsylvania 15261
(412) 624-5357

IAWPR

The 10th Conference of the International Association on Water Pollution Research will be held in Toronto, Canada June 23-27, 1980. Pre and post conference seminars are planned on non-point source pollution, nuclear power, ecotoxicology, cold climate problems, and river basin management. For registration details contact K. Charbonneau, Executive Director, 10th Int. Conference, c/o National Research Council, Ottawa, Canada K1A 0R6.

CALL FOR PAPERS

INTERNATIONAL SYMPOSIUM ON RAINFALL-RUNOFF MODELING

The International Symposium on Rainfall-Runoff Modeling will be held at Mississippi State University May 18-21, 1981. The purpose of this symposium is to provide a forum to exchange information and discussion on the current state of the art of rainfall-runoff modeling, establish complementary elements of seemingly different approaches, augment interdisciplinary interaction and determine directions for further research.

Original, as well as state-of-the-art type, contributions on both theoretical and practical aspects of rainfall-runoff modeling are invited for presentation at the symposium. A partial list of topics to be discussed includes physically based space-time quantification of rainfall, infiltration, runoff and water quality, geomorphologic interpretation and estimation of model parameters, model comparison and ranking, remote sensing techniques, and applications of the integrated models in agricultural, forest, and urban environments. Integration of stochastic and deterministic approaches will be emphasized. It is hoped that the subject matter covered will be of interest to Agricultural Engineers, Civil Engineers, Environmentalists, Forest Managers, Geologists, Hydrologists, Water Resources Engineers and those working in interdisciplinary areas related to water resources systems.

Authors are requested to submit summaries in triplicate in English of approximately 500-1000 words highlighting the major thrust and contribution of their papers by May 15, 1980. Information about acceptance of the papers will be sent by July 31, 1980. At that time the authors will be given detailed instructions for preparation of the final manuscripts which will be due at Mississippi State by January 15, 1981.

The Organizing Committee invites all those working in the related areas of rainfall-runoff modeling to participate in this symposium. Send summaries of the papers to be presented to:

Dr. Vijay P. Singh, Director
International Symposium on Rainfall-Runoff Modeling
Department of Civil Engineering
Mississippi State University
P.O. Drawer CE
Mississippi State, Mississippi 39762 U.S.A.
(601) 325-4434

IAWPR

The International Association on Water Pollution Research is sponsoring a Specialized Conference on The Environmental Impact of Man's Use of Water; it will be held in Brighton, England, on November 3-7, 1980. Papers concerning research work on minimizing adverse impact of dams, reservoirs, sewage works, sea outfalls and other activities are sought. Completed papers are due by March 1, 1980. Details on the conference and on submission of papers may be obtained from Mr. G. Lee, Water Data Unit, Reading Bridge House, Reading RG1 8PS, United Kingdom.

PEOPLE IN THE NEWS

The very nature of our profession is that many of us move about from place to place, receive honors and awards, are elected to various offices, etc., from time to time with a minimum of fanfare and publicity. The purpose of this new column in the NEWSLETTER is to help us keep up with this sort of activity among AEEP members and others closely related to environmental engineering education. Readers are urged to send appropriate news items to the Editors for inclusion in future NEWSLETTERS.

JU-CHANG HUANG, University of Missouri at Rolla, was recently awarded ASCE's Walter L. Huber Civil Engineering Research Prize along with four other engineers. They are DANIEL W. HALPIN, Georgia State University, KEITH D. STOLZENBACH, Massachusetts Institute of Technology, and HON-YIM KO, University of Colorado.

LESTER LEVIN and KAY JONES have joined the staff of the Drexel University Environmental Studies Institute. Professor Levin has previously been associated with the Mobil Oil Corporation, Temple University and New York University. Dr. Jones comes to Drexel after long service with the government, most recently on the President's Council on Environmental Quality.

DR. EDWARD H. BRYAN has recently been reassigned as Program Manager, Appropriate Technology, Division of Intergovernmental Science and Public Technology for NSF. Ed has been associated with NSF in various capacities since 1972.

JOHN H. AUSTIN has joined the staff of the MAXIMA Corporation as Vice President of Training and Education. Dr. Austin has previously been associated with environmental engineering education in many capacities including faculty appointments at Illinois, Clemson and Maryland.

DR. PAUL H. KING recently moved from the Civil Engineering Department at Virginia Tech to the University of Arizona at Tempe. Paul will serve as the Head of the Civil Engineering Department there.

LARRY D. BENEFIELD has joined the Civil Engineering faculty at Auburn University, having moved from the University of Colorado at Boulder. Dr. Benefield will teach and direct research in various aspects of environmental engineering.

DR. WALDRON M. MCLELLAN has been installed as President of the Florida Engineering Society. The Society is the state affiliate of NSPE and currently boasts some 3,000 members.

ACADEMIC MARKET PLACE

SCHOOL: University of Central Florida
POSITION: Assistant Professor, Tenure Track
QUALIFICATIONS: Ph.D. in Engineering
RESPONSIBILITIES: Undergraduate/Graduate Teaching and Research in Environmental/Water Resources Engineering
APPLICATION DEADLINE: As soon as possible
CONTACT: Dr. Yousef A. Yousef, P.E. Chairman, Search Committee Civil Engineering and Environmental Sciences University of Central Florida Orlando, Florida 32816

SCHOOL: University of Colorado at Boulder
POSITION: Assistant or Associate Professor, Tenure Track
QUALIFICATIONS: Doctorate in Civil Engineering
RESPONSIBILITIES: Undergraduate/Graduate Teaching or Research in Water Quality Engineering
APPLICATION DEADLINE: As soon as possible
CONTACT: Professor K. D. Linstedt Department of Civil, Environmental and Architectural Engineering University of Colorado Boulder, Colorado 80309

SCHOOL: University of Florida
POSITION: Assistant Professor, Tenure Track
QUALIFICATIONS: Doctorate in Civil or Environmental Engineering. Able to become registered.
RESPONSIBILITIES: Undergraduate/Graduate Teaching and Research in Water Supply and Wastewater Engineering
APPLICATION DEADLINE: February 29, 1980
CONTACT: Dr. John Zoltek Chairman, Search Committee-IE Department of Environmental Engineering Sciences University of Florida Gainesville, Florida 32611

SCHOOL: University of New Hampshire
POSITION: Assistant Professor, Tenure Track
QUALIFICATIONS: Ph.D. in Civil or Environmental Engineering
RESPONSIBILITIES: Undergraduate/Graduate Teaching and Research in Physio-Chemical Treatment and Hazardous Waste Management
APPLICATION DEADLINE: As soon as possible
CONTACT: Dr. John Olofsson Department of Civil Engineering University of New Hampshire Durham, New Hampshire 03824

SCHOOL: University of North Carolina - Chapel Hill
POSITION: Assistant Professor, Tenure Track
QUALIFICATIONS: Doctorate in Engineering
RESPONSIBILITIES: Graduate Teaching and Research in Water Quality and Water Resources Engineering
APPLICATION DEADLINE: As soon as possible
CONTACT: Dr. Charles R. O'Melia Department of Environmental Sciences and Engineering University of North Carolina Chapel Hill, North Carolina 27514

SCHOOL: University of North Carolina - Chapel Hill
POSITION: Research Assistant Professor
QUALIFICATIONS: Ph.D. Degree and Research Interests or Experience in Wastewater Treatment and Pollution Abatement
RESPONSIBILITIES: Coordination of Treatment and Analytical Phases of Project Dealing with Treatment of Wastewaters Generated by Coal Conversion
APPLICATION DEADLINE: As soon as possible
CONTACT: Dr. Philip C. Singer Department of Environmental Sciences and Engineering University of North Carolina Chapel Hill, North Carolina 27514

SCHOOL: University of the Pacific
POSITION: Assistant, Associate or Full Professor
QUALIFICATIONS: Ph.D. or Equivalent Academic/Industrial Experience
RESPONSIBILITIES: Undergraduate Teaching and Cooperative Education in Sanitation and Fluid Mechanics
APPLICATION DEADLINE: As soon as possible
CONTACT: Dr. Robert L. Heyborne, Dean
School of Engineering
University of the Pacific
Stockton, California 95211

SCHOOL: Purdue University
POSITION: Assistant or Associate Professor, Tenure Track
QUALIFICATIONS: Ph.D. Degree
RESPONSIBILITIES: Undergraduate/Graduate Teaching and Research in Physical and Chemical Unit Operations
APPLICATION DEADLINE: As soon as possible
CONTACT: Professor H. L. Michael, Head
School of Civil Engineering
Purdue University
West Lafayette, Indiana

SCHOOL: Rutgers University
POSITION: Assistant Professor, Tenure Track
QUALIFICATIONS: Ph.D. Degree
RESPONSIBILITIES: Undergraduate/Graduate Teaching and Research in Water Resources/Environmental Engineering
APPLICATION DEADLINE: As soon as possible
CONTACT: Dr. Joel Wiesenfeld, Chairman
Department of Civil and Environmental Engineering
Rutgers University
Post Office Box 909
Piscataway, New Jersey 08854

SCHOOL: Virginia Polytechnic Institute and State University
POSITION: Visiting Professor (One Year)
QUALIFICATIONS: Demonstrated Strength in Any Aspect of Environmental Engineering
RESPONSIBILITIES: Teach One or Two Courses and Participate in On-Going Research
APPLICATION DEADLINE: As soon as possible
CONTACT: Dr. Clifford W. Randall
Department of Civil Engineering
Virginia Polytechnic Institute and State University

SCHOOL: University of Wisconsin — Platteville
POSITION: Assistant, Associate or Full Professor, Tenure Track
QUALIFICATIONS: B.S. Degree in Civil Engineering, Ph.D. Degree in Fluid Mechanics or Sanitary Engineering
RESPONSIBILITIES: Undergraduate/Graduate Teaching and Departmental Development
APPLICATION DEADLINE: As soon as possible
CONTACT: Richard A. Wetzel, Chairman
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