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NEWSLETTER



ASSOCIATION OF ENVIRONMENTAL ENGINEERING PROFESSORS

APRIL, 1973

VOLUME 8, NUMBER 3

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EDITORS' NOTES

The coming of Spring brings welcome relief from the snow and frost of a relatively mild winter. It also leaves fond memories of the NIT and, for environmental engineers, signals the soon coming of the annual conclave at the Purdue Industrial Waste Conference. In making plans to attend, don't forget the AEEP activities as noted in this issue of the NEWSLETTER.

All non-members of AEEP should note that this is their last chance to respond if they wish to continue to receive the NEWSLETTER. Your attention is directed to the last page of this issue.

FROM THE PRESIDENT'S DESK

Elsewhere in this Newsletter is a listing of current AEEP committees, along with an indication of their charges. Members have received a more complete listing of the AEEP committee structure. A survey of the committee listing will give some idea of the many diverse, current activities of the Association.

One of the committees will be "doing its thing" at the upcoming Purdue Industrial Waste Conference. The Seminar Committee, chaired by Prof. Harry Jebins, will present a seminar on "Undergraduate Environmental Engineering Education - The Required Course" at 8:00 a.m. on Tuesday, May 1, in Room 320, Stewart Center, Purdue.

Another active committee has just "done its thing" by producing this Newsletter. The co-editors, Paul King and Cliff Randall, are overworked and underappreciated in their efforts to meet publication deadlines. Whereas their Newsletter Committee represents a staff of "reporters," all members are encouraged to submit items of interest. The deadline for the next quarterly issue is June 25.

Several of the committees are involved in development of the Third National Conference on Environmental Engineering Education. The Education Committee is active in that effort, and the Undergraduate Education Committee, the Continuing Education Committee, and the Manpower Committee all are involved. That conference is to be held at Drexel University in Philadelphia on August 13, 14 and 15, 1973. Please mark your calendars.

Other active committees in these trying times are the Legislative Analysis Committee and the Training Support Committee. Their recent activities have included development of AEEP's comments (which members have received) on EPA's proposed regulations on training support and recent testimony by Prof. Wes Pipes on behalf of AEEP before the Agriculture-Environmental and Consumer Protection Subcommittee of the House Appropriations Committee.

A more complete discussion of some of the current activities of AEEP will be presented at the meeting of AEEP members at the time of the Purdue Conference. That meeting is at 8:00 p.m., Tuesday, May 1, in Room 214 of the Stewart Center. I hope to see you there.

Richard I. Dick

AEEP ACTIVITIES AT PURDUE CONFERENCESeminar On Undergraduate Instruction**Undergraduate Environmental Engineering Education - The Required Course**

Time: 8-9:00 a.m.

Date: May 1, 1973

Place: Room 320, Stewart Center

A description of the required Civil Engineering course in environmental engineering as offered by the following universities will be presented:

Kansas State University - Dr. Douglas Wallace

Michigan Technological University - Dr. C. Robert Baillo

University of Pittsburgh - Dr. Dennis W. Weeter

Informal discussion will follow the presentation. All interested persons are invited to attend and participate in the seminar.

AEEP Open Meeting**Discussion of Current and Future AEEP Activities**

Time: 8:00 p.m.

Date: May 1, 1973

Place: Room 214, Stewart Center

AEEP NEW MEMBERS

Dr. John T. Novak
Dept. of Civil Engineering
University of Missouri
Columbia, Missouri 65201

Dr. Robert W. Seabloom
Associate Professor
Dept. of Civil Engineering
201 More Hall
University of Washington
Seattle, Washington 98195

Professor Wesley P. James
Civil Engineering Department
Texas A & M University
College Station, Texas 77843

Dr. Takashi Asano
Department of Civil Engineering
and Engineering Mechanics
Montana State University
Bozeman, Montana 59715

Prof. Raymond D. Letterman
Department of Environmental Engineering
Illinois Institute of Technology
Evanston, Illinois 60616

REPORT ON THE EIGHTH ANNUAL WORKSHOP by Thomas M. Keinath

The Eighth Annual Workshop of the Association of Environmental Engineering Professors was held from December 18-22, 1972, as part of a 4-day cruise trip to Freeport and Nassau. The theme for the conference was "Mathematical Modeling in Environmental Engineering" with special emphasis placed on the use of existing models as teaching aids and learning tools in the classroom. Other objectives of the workshop were to establish the current status of models and to identify those models that can be used for real-world design and operation. Bob Thomann's keynote paper set the trend for the excellent series of presentations encompassing all phases of process and natural system modeling.

If attendance may be used as a yardstick of success the Workshop was eminently successful. A total of 54 participants registered and, in addition to the registrants, wives and children raised the total attendance to more than 140 persons. This family participation provided the wives with the opportunity for pleasant social contacts with other environmental engineers and their wives.

Attendance at the technical sessions was surprisingly good in light of the temptations which existed ashore. It was not all work and no play, however, as shore excursions provided the opportunity for almost everyone to lose money at the casino, for John Austin to have his beard singed at the Drumbeat, and for "Montana" Bob Sanks to try his hand at fire eating.

The technical sessions didn't escape a few light moments either as Jon Liebman warmly honored "Colorado" Walt Weers with a tribute and a diploma on graduation day as Steve Graef hastily awoke Walt in the back row to receive them. John Andrews, after flying into Nassau, was aptly introduced by Fred Pohland as having "finally ascended to the prominence of blowing in, blowing off, and blowing out." As usual there were some problems with the slide projector operation, but fortunately each slide that misfired "was not really important anyway." With regard to attendance, how many people were present at the Wednesday afternoon session when free champagne and cavier were served at the coffee break?

Another measure of the success of the conference might be the pleasant memories shared by those who were there. By this standard the Eighth Annual Workshop also ranks high for who could forget the excellent food and service of the M/S Sunward. In retrospect the "spacious" cabins will always provide a smile when participants gather in the future. Recall Ben Dysart with his head canted at a forty-five degree angle so as to clear the overhead, or Ray Canale somewhat green around the gills the first night out of port? Perhaps it is unfair to cite Ray alone since the queasy members of the party were probably in the majority during that memorable first night. Although the rough seas sharply curtailed attendance at the first night's dinner, they probably produced an all-time record for the midnight buffet.

Social activities on board ship were plentiful and memorable as Jon Liebman's son cracked the bingo jackpot winning both cash and champagne. Don Aulenback surprised everyone with his adeptness at ballon stuffing, while Bill Kornegay ripped off a stunning performance on the limbo floor.

How many times did your wife make it through the straw market without being coerced into a purchase?

Success of a conference can be gauged by attendance statistics, good times and happy memories, but the true measure of success lies in the application of knowledge gained to the classroom situation. Each speaker presented excellent examples of the value of modeling and simulation as a teaching tool. Guidelines and computer programs which they provided should permit the use of these tools on a widespread basis throughout the profession. As modeling and simulation are tried in various schools, an interchange of ideas and experiences should be encouraged. It will be through such interchanges that the true value of the workshop in advancing environmental engineering education will be evaluated.

THANK YOU, BOB SNIDER

A familiar voice in EPA operations is retiring from Federal service. Robert G. Snider will be moving from Washington to Tucson, Arizona, where he will become a Visiting Scholar in the Graduate School of the University of Arizona. His new address is 4819 N. Via Entrada, Tucson, Arizona.

The AEEP Board of Directors passed the following resolution on the occasion of Bob Snider's retirement:

WHEREAS Robert G. Snider served as Chief of the Academic Training Branch, Manpower Development Staff, Office of Water Programs, Environmental Protection Agency; and

WHEREAS he served in similar capacities with the EPA's predecessor organizations; and

WHEREAS he executed his duties with compassion and with concern for the quality of graduate education in sanitary and environmental engineering; and

WHEREAS Robert G. Snider is retiring from federal service on April 14, 1973: Therefore be it

RESOLVED, That the Board of Directors of the Association of Environmental Engineering Professors, on behalf of the members of the Association, express appreciation to Robert G. Snider for his outstanding service to the environmental engineering profession and wish him happiness in his retirement.

TENTH ANNIVERSARY OF THE INTERNATIONAL ASSOCIATION
ON WATER POLLUTION RESEARCH (IAWPR)

It was approximately ten years ago that the concept of the IAWPR first took shape at the First International Conference on Water Pollution Research in London.

The initial interest for the formation of this international organization of research workers in the water pollution field came from individuals from 15 nations: United States, United Kingdom, South Africa, Switzerland, Japan, Czechoslovakia, West Germany, France, Sweden, Israel, Venezuela, Italy, Spain, Belgium, and Holland. These individuals were convinced that common problems of water pollution called for the development of an effective mechanism for sharing research knowledge and experience. The logic of pooling such knowledge justified, in their opinion, a substantial investment in time and effort in the creation of a formal, non-governmental organization of professional workers in interested countries. This was the basic motivation for organizing the First International Conference on Water Pollution Research in London. Three years later, in June 1965, the Statutes of IAWPR were formally adopted in Harrogate, England. Currently 22 nations are represented on IAWPR's Governing Board:

Australia	Japan
Austria	Netherlands
Belgium	New Zealand
Canada	Norway
Czechoslovakia	South Africa
Denmark	Sweden
Germany	Switzerland
France	Thailand
Hungary	United Kingdom
India	United States of America
Israel	Venezuela

Several additional nations are preparing applications.

The primary goal of the IAWPR is to facilitate communication among scientists and engineers engaged in various fields of water pollution research. The focal activity of IAWPR remains the organization of biennial conferences on water pollution research. In 1970, the IAWPR undertook to organize or sponsor special conferences on water pollution research problems of important regional interest. Currently, the IAWPR is initiating programs for preparation of monographs on water pollution topics and for organization of special courses on subjects of regional interest in various parts of the world. The organization also publishes a journal, WATER RESEARCH, through Pergamon Press.

Biennial Conferences have been held as follows:

London-----1962
Tokyo-----1964

Munich-----1966
 Prague-----1969 (postponed from 1968)
 San Francisco-----1970
 Jerusalem-----1972

The Jerusalem Conference, held in June, 1972, was highly successful in terms of the quality of its technical sessions and workshops, in the number of registrants, and in the effectiveness of participation. Approximately 1000 engineers and scientists from 40 nations were registered. An additional 250 family registrants were recorded. Participants from the United States played a prominent part in the Conference. Of the 200 United States registrants, 65 participated directly as presenters of papers and formal discussions, session chairmen, or as IAWPR officers.

Seventh International Conference

The Seventh International Conference of the IAWPR will be held in Paris, September 9-13, 1974. A call for papers for this conference is contained elsewhere in this Newsletter. The Paris Conference will give increased emphasis to workshops, nine of which are planned. The United States will chair two workshops: factors affecting water reuse, including toxic discharges; and technology transfer. The Chairmen will be Francis M. Middleton and Robert A. Canham, respectively.

Future Conferences are planned as follows:

Eighth International Conference, Australia---1976
 Ninth International Conference, Sweden-----1978
 Tenth International Conference, Canada-----1980

Representation of the United States in IAWPR is through the United States of America National Committee (USANC), an organization created specifically for such representation and sponsored by interested professional organizations. In addition to AEEP, sponsoring organizations are the American Chemical Society, the American Institute of Chemical Engineers, the American Society of Civil Engineers and the Water Pollution Control Federation.

Each USANC sponsor pays \$500 annually as dues to USANC. Of this sum, \$400 is forwarded to IAWPR and \$100 is retained by USANC. Each sponsor names two representatives and two alternates to USANC. The three officers of USANC represent USANC on IAWPR's Governing Board. These officers whose terms will run to September 13, 1973 (the final day of the Paris Conference) are:

Bernard B. Berger (ASCE)-----Chairman
 Warren J. Kaufman (AEEP)-----Vice-Chairman
 Robert A. Canham (WPCF)-----Secretary-Treasurer

Professor R. O. Sylvester is the other AEEP Delegate to the USANC with Prof. Kaufman.

The primary functions of the members of USANC are: (1) to offer their individual counsel and the views of their organizations in the shaping and management of IAWPR's programs, and (2) to extract maximum value from IAWPR's activities appropriate to the interests and concerns of their professional organizations.

IAWPR officers for the period of 1972-74 are as follows:

President-----Dr. G. J. Stander, South Africa
 Vice-Presidents-----Professor B. B. Berger, United States
 Mr. E. Kuntze, West Germany
 Conference President-----Dr. P. Koch, France

Three classifications of membership in IAWPR are provided: National, Associate, and Individual. At its meeting in June, the Governing Board moved that at the earliest possible date the IAWPR establish a Student member category. It is proposed that Student membership dues be \$10.00 per year. This will provide a subscription to the WATER RESEARCH Journal. Final action awaits development of special arrangements with Pergamon Press for favorable conditions for Journal subscriptions for Student members.

International Collaboration.---The IAWPR is actively seeking to establish bases for collaboration with other international organizations concerned with water pollution research. This program recognizes that the IAWPR and the various professional organizations sponsoring its National Committees have unique contributions to make in assisting the formal intergovernmental agencies and that such assistance will provide valuable scientific, technical, and social feedback. Among the organizations with which collaborative efforts have been, or are being discussed are the following:

- World Health Organization*
- International Association of Scientific Hydrology
- International Council of Scientific Unions
- World Meteorological Organization
- International Council for the Exploration of the Sea
- Intergovernmental Maritime Consultative Organization
- The European Economic Community
- Economic Commission for Latin America
- International Atomic Energy Agency
- International Union of Pure and Applied Chemistry
- Food and Agriculture Organization of the United Nations
- Economic Commission for Asia and the Far East
- The Organization for Economic Cooperation and Development (OECD)
- Economic Commission for Europe

(This article was excerpted from a report by Bernard B. Berger to members of USANC.)

* A basis for collaboration has already been defined in respect to the World Health Organization.

NEW AEEP COMMITTEES NAMED

Advisory Committee to the Board of Directors

Chairman: Erman A. Pearson

Task: Recommend AEEP activities to the Board of Directors;
critique actions of the Board

Arrangements Committee

Chairman: Wayne F. Echelberger, Jr.

Task: Arrangements for 1973 meetings of the members and of
the Board

Audit Committee

Chairman: James W. Patterson

Task: Audit 1972 financial records and report at the 1973
Purdue meeting

Awards Committee

Chairman: Frederick G. Pohland

Task: Review reports of previous Awards Committees and present
recommendations on AEEP policies concerning the Distinguished
Professor Award prior to the Purdue meeting of the Board of
Directors (no award during 1973)

Continuing Education Committee

Chairman: W. Wesley Eckenfelder, Jr.

Task: Work with the task force on continuing education in develop-
ment of a position paper for consideration and discussion
at the Third National Conference on Environmental Engineering
Education; advise the AEEP Board of Directors on desirable
courses of action in the area of environmental engineering
continuing education; and respond to such matters as may
arise concerning operator training

Education Committee

Chairman: George P. Hanna, Jr.

Task: Serve as AEEP's Representatives in development of the
Third National Conference on Environmental Engineering
Education

Eligibility Committee

Chairman: Billy H. Kornegay

Task: Develop recommendations for the Board of Directors concerning
a new category of membership for users of our product and/or
for former professors; consider specific membership
applications when eligibility is questionable

Industrial Relations Committee

Chairman: Mark W. Tenney

Task: Consider development of a clearing house for faculty exchanges
with industry; prepare recommendation for consideration by the
Board at their October 1973 meeting concerning AEEP's posture
with industry

Legislative Analysis Committee

Chairman: E. Joe Middlebrooks

Task: Review pending federal legislation and (as appropriate) state legislation which has an impact on environmental **engineering education**; report to the President in cases where action by the Association is appropriate

Manpower Needs Committee

Chairman: E. Joe Middlebrooks

Task: Investigate **future manpower needs of the profession** and develop suggestions for meeting those needs; participate as appropriate in development of the Third National Conference on Environmental Engineering Education; coordinate activities with Training Support Committee

Membership Committee

Chairman: Billy H. Kornegay

Task: Promote active membership in AEEP

Newsletter Committee

Co-Editors: Paul H. King and Clifford W. Randall

Task: Edit, publish, and distribute the AEEP Newsletter quarterly

Nominating Committee

Chairman: John H. Austin

Task: Nominate members for election to the Board of Directors in accordance with the Bylaws; submit nominations to President prior to the October meeting of the members

Publication Committee

Chairman: Joseph F. Malina

Task: Provide a central depository and distribution service for AEEP publications; recommend policies for orderly development and distribution of AEEP publications

Register Committee

Chairman: Benjamin C. Dysart III

Task: Prepare and publish a new register of graduate programs in environmental engineering

Relations with USA National Committee of the International Association on Water Pollution Research

Delegates: Warren J. Kaufman and Robert O. Sylvester (Through 1974 Conference)

Task: Coordinate AEEP activities with USA National Committee, and advise Board of Directors on activities and need for action

Research Committee

Chairman: Thomas M. Keinath

Task: Recommend research-related objectives of AEEP to the Board of Directors

Seminar Committee

Chairman: Harold J. Jebins

Task: Arrange seminar at the time of the 1973 Purdue Industrial Waste Conference. Recommend seminar topic for 1974

Training Support Committee

Chairman: John H. Austin

Task: Monitor developments relating to external support of environmental engineering education; make recommendations to Board of Directors as appropriate

Undergraduate Environmental Engineering Education Committee

Chairman: Donald B. Aulenbach

Task: Develop guidelines for education activities in the environmental engineering area at the undergraduate level; participate as appropriate in development of Third National Conference on Environmental Engineering Education

Unit Operations and Processes Laboratory Manual Committee

Chairman: John T. O'Connor

Task: Assemble revision for future printing of the Environmental Engineering Unit Operations and Processes Manual

Visiting Lecturers

Chairman: William J. Jewell

Task: Arrange for lecture tours for foreign visitors

Water Chemistry Laboratory Manual

Chairman: David Jenkins

Task: Complete revision of the Water Chemistry Laboratory Manual

Workshop Committee

Chairman: Jimmie E. Quon

Task: Plan and conduct the 1974 Workshop, set up tentative plans for the 1975 Workshop

EDUCATION CONFERENCE SET FOR PHILADELPHIA

Plans for the Third National Conference on Environmental Engineering Education have been formulated and numerous committees are hard at work drafting position papers which will be mailed to conference participants in the near future. The conference will be held August 13-15, 1973, at Drexel University in Philadelphia.

AEEP is a co-sponsor of this meeting which will take the place of our usual summer workshop. Additional information on the program will be a feature of the next issue of the NEWSLETTER.

MEETINGS, CONFERENCES, SHORT COURSES

Purdue Industrial Wastes Conference, May 1-3, Purdue University, Lafayette, Indiana. Write David W. Hawkins, Civil Engineering Building, Purdue University, Lafayette, Indiana 47907.

Third Annual Composting and Waste Recycling Conference, May 2-3, Gateway Hotel, St. Louis, Mo. Write Jerome Goldstein, Executive Editor, Rodale Press, Inc., Emmaus, Pa. 18049.

Fourth Annual Short Course in Water Pollution Control, May 21-25, University of Missouri - Rolla. Write Dr. Bobby G. Wixson, Civil Engineering Dept., University of Missouri - Rolla, Rolla, Missouri 65401.

Eighteenth Summer Institute in Water Pollution Control, May 21-25, Manhattan College. Separate courses in Biological Waste Treatment and in Mathematical Modeling of Natural Systems. Write Dr. Donald J. O'Connor, Environmental Engineering and Science Program, Manhattan College, Bronx, New York 10471.

Three two-day seminars on Advanced Wastewater Treatment. Presented by R. L. Culp, G. L. Culp and G. M. Wesner

May 30-June 1	Washington, D. C.
June 4-5	Anaheim, Calif.
June 7-8	South Lake Tahoe, Calif.

Write AWT Seminar, P. O. Box 756, South Lake Tahoe, California 95705.

Engineering Control of Industrial Waste Water, June 11-15, Cornell University. Write Director of Continuing Education, Carpenter Hall, Cornell University, Ithaca, New York 14850.

Summer Institute on Water Resources.

July 15-20 Planning and Management of Urban-Metropolitan Water Systems

July 22-27 Multiple Objective Water Resources Planning Techniques

University of Nebraska, Lincoln, Nebraska. Write Dr. Warren Viessman, Jr., Director, Nebraska Water Resources Research Institute, 212 Agricultural Engineering, University of Nebraska, Lincoln, Nebraska 68503; Telephone: (402) 472-3307.

Summer Institute on Industrial and Municipal Water Pollution Control - Physicochemical Processes, August 20-24, University of Michigan. Write Prof. Walter J. Weber, Jr., Dept. of Civil Engineering, The University of Michigan, Ann Arbor, Michigan 48104.

First World Congress on Water Resources: Water for the Human Environment, September 24-28, Chicago, Illinois. Sponsored by the International Water Resources Association. Write Dr. Gabor M. Karadi, Science Complex Building, University of Wisconsin, Milwaukee, Wisconsin 53201.

CALL FOR PAPERSSeventh International Conference on Water Pollution Research

The seventh international conference is scheduled for Paris, France, September 9-13, 1974. In addition to the usual session devoted to technical papers, several workshop sessions on selected topics will be initiated by invited experts.

Papers are currently being solicited for the conference covering recent research on the following topics:

Water Quality Standards, Chemical and Biological Methodology
 Legal, Administrative problems, river basin management,
 financing of pollution control authorities
 Disposal of organic and inorganic sludge
 Sewerage, aerobic treatment and aeration
 Anaerobic Biological Treatment
 Estuarine Analysis and Marine Environment
 Tertiary Treatment Methods
 Eutrophication
 Stream Analysis and River Pollution Consideration
 Fish Studies
 Physical and Chemical Treatment of Municipal and
 Industrial Wastewaters
 Industrial Waste Treatment
 Virus Methodology and Technology
 Problems of Developing Countries and Arid Zones

Those contemplating submission of a paper should contact the Program Committee Chairman at the following address:

Dr. Sam H. Jenkins
 Upper Tame Main Drainage Authority
 Tame Valley House
 156/170 Newhall Street
 Birmingham B3 1SE
 England

Further information on this conference may be obtained by contacting:

Prof. Bernard B. Berger
 Chairman, USANC
 Room 211, Graduate Research Center
 Water Resources Research Center
 University of Massachusetts
 Amherst, Massachusetts 01002

RURAL ENVIRONMENTAL ENGINEERING: WATER POLLUTION CONTROL IN LOW DENSITY AREAS

A conference focusing on water supply and water pollution control in rural areas will be held at Sugarbush Inn, Warren, Vermont, on September 26-28, 1973. Co-sponsored by University of Vermont Water Resources Research Center and the University of Maine Land and Water Resources Center, the conference aims to define the problems of pollution control in rural areas as well as providing an insight into new solutions in which members of our profession are involved. Some of the general conference topic areas in which papers are requested are:

1. Untreated wastewater discharge effects
2. Septic tank usage and effects.
3. Groundwater pollution
4. Rural water supply problems
5. Non point pollution sources
6. Low-cost wastewater treatment facilities for rural areas

For further information and abstract submission forms contact Dr. William J. Jewell, Department of Civil Engineering, University of Vermont, Burlington, Vermont 05401.

THE ACADEMIC MARKETPLACE: POSITIONS AVAILABLE

Indiana University at South Bend

The School of Public and Environmental Affairs of Indiana University - South Bend Campus - is seeking applicants for a faculty position in environmental engineering.

The School of Public and Environmental Affairs is a multi-campus interdisciplinary educational institution engaging in the assessment of public policy, and the undergraduate and graduate education of those preparing for or engaged in careers in public affairs.

Applications should be sent to Thomas A. De Coster, Director, Public and Environmental Affairs Program, Indiana University at South Bend, South Bend, Indiana 46615.

Mississippi State University

Mississippi State University is currently receiving applications for an Assistant Professor position in sanitary engineering. Candidates should have a strong interest in undergraduate as well as graduate instruction and should have considerable background in water chemistry and physio-chemical treatment processes. Applications should be sent to Dr. R. M. Scholtes, Head, Department of Civil Engineering, Mississippi State University, Mississippi 39762.

Texas A&M University

The Environmental Engineering program at Texas A&M University plans to add to their present staff. Requirements are flexible regarding background and experience for prospective applicants. It is hoped to fill one or two faculty positions with persons of substantial demonstrated capabilities and experience. Areas of desired experience for prospective faculty members include but are not limited to the following: water resources management, industrial waste treatment (particularly petroleum and petrochemical), analytical modeling, aquatic systems analysis, control of nutrients, and air pollution control (particularly combustion and modeling).

Applications should be sent to Dr. Roy W. Hann, Jr., Department of Civil Engineering, Texas A&M University, College Station, Texas 77843.

Washington State University

Washington State University has an opening for an assistant or associate professor effective June 15, 1973. The position requires teaching and research responsibilities in the area of water and wastewater engineering with emphasis in kinetics of biological and physicochemical processes and design of treatment systems. Preference will be given for industrial and/or research experience. Submit detailed resume to Dr. S. K. Bhagat, Head, Sanitary Engineering, Washington State University, Pullman, Washington 99163. An equal opportunity employer.

POSITIONS SOUGHTEnvironmental Engineer

Desires teaching and/or research position in Environmental Engineering and Water Resources. Six years of teaching and research experience as a graduate assistant. Ph.D. expected soon. Dissertation entitled "Time-Dependent Mathematical Models for Circulation and Water Quality in Rivers and Estuaries." Other interests: Water chemistry, systems analysis, solid waste management. Contact Damodar S. Airan, Department of Civil Engineering, North Carolina State University, Raleigh, N. C. 27607.

Chemist

Chemist with a Bachelor of Science from the University of the Witwatersrand, Johannesburg, South Africa, and a Ph.D. from the same University. Research for Ph.D. was a study of flotation of precipitates, colloids and surfactants using radioactive tracers for analysis. Present position is as research assistant studying the mechanism of the flocculation of colloids by polymeric flocculants. Desires a research or university faculty position. Write Dr. I. Sheiham, Dept. of Civil and Municipal Engineering, University College, Gower Street, London, WC1 E 6BT, England.

TEXAS RECEIVES GRANT FROM DuPONT

The Environmental Health Engineering program at The University of Texas at Austin has received a \$5,000 grant from the E. I. Du Pont de Nemours & Company. These unrestricted funds will be used in support of the Graduate Program which specializes in the areas of water quality management, water pollution control, and air pollution control. These funds will supplement the teaching and research assistantships presently available in support of the program.

SYMPOSIUM ON WASTEWATER EFFLUENT LIMITS TO BE HELD AT MICHIGAN

The University of Michigan announces a "Symposium on Wastewater Effluent Limits" to be held on the Campus in Ann Arbor, Michigan from July 18 through July 20, 1973. The Federal Water Pollution Control Act Amendments of 1972 include significant requirements in this area. The program is being designed to consider material of interest to water pollution scientists and administrators connected with both government and industry, water economists, and attorneys. The symposium is sponsored by the Environmental Engineering Division, American Society of Civil Engineers and The University of Michigan and is co-sponsored by The Water Pollution Control Federation, The Association of State and Interstate Water Pollution Control Administrators, The American Public Health Association, and The National Sanitation Foundation. For further information contact Prof. John J. Gannon, School of Public Health, The University of Michigan, Ann Arbor, Michigan 48104.

FEEDBACK REQUESTED ON WATER CHEMISTRY MANUAL

Now that many universities have had the chance to use the AEEP Water Chemistry Laboratory Manual in the classroom situation, the compilers would welcome comments on the experiments which have been run. Please be frank. Please make positive suggestions for improvements. Please let the committee know of any typographical errors you may have discovered.

The compilers will be meeting in the early summer to add some new experiments in the area of kinetics to the manual. These additional experiments will be included in all manuals sold for the 1973-74 academic year and hopefully any errata you help the committee find will be corrected in this addition too.

Send your comments and suggestions to Dr. David Jenkins, Department of Civil Engineering, University of California, Berkeley, California 94720.

REGISTER REVISION UNDERWAY

A new edition of the REGISTER OF GRADUATE PROGRAMS IN ENVIRONMENTAL ENGINEERING EDUCATION is currently being prepared. This work is jointly sponsored by AEEP and the American Academy

of Environmental Engineers (AAEE). It is proposed to include all active environmental graduate programs that have a clear and direct association with engineering. For information write Dr. B. C. Dysart, III, Environmental Systems Engineering Department, Clemson University, Clemson, South Carolina 29631.

UPDATING OF NEWSLETTER MAILING LIST NEARS COMPLETION

Response to the request for information required for updating of the NEWSLETTER mailing list has been excellent. In order to complete this revision, non-members of AEEP who desire to continue to receive copies of the NEWSLETTER and who did not respond to the announcement in our January issue must complete the attached form and return it to the NEWSLETTER editors by June 1, 1973. Failure to respond will result in removal from the mailing list.

Whereas the NEWSLETTER will continue to be supplied without charge as a service to the profession, non-members wishing to support AEEP's activities and help defray the cost of NEWSLETTER publication and mailing are invited to include an appropriate donation.

Please detach and mail to:

Paul H. King, Co-Editor
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Department of Civil Engineering
Virginia Polytechnic Institute and State University
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