



A·A·P·S·E· NEWSLETTER

**American
Association
of
Professors
in
Sanitary
Engineering**

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New AAPSE Officers and Directors for 1972	2
Announcement of AAPSE Outstanding Teaching Award	2
Message from the AAPSE President	3
Message from the Past AAPSE President	3
17th Manhattan Summer Institute	4
Call for Research Papers - W.P.C.F.	4
New A.S.C.E. Executive Director Zwayer Named	4
Thackston to Join Tennessee Governor's Staff	4
Busch Named E.P.A. Administrator in Dallas	5
Coastal Zone Pollution Management Conference	5
Corps Interested in Public Involvement	5
Carlson Named Washington C.E. Head	5
8th Annual AAPSE Workshop and Bahamian Cruise	6
North Carolina Symposium on Pollution Control Costs	8
Save Money with a Clean Environment	8
Lloyd's of London Drops Pollution Insurance	8
Unit Operations and Processes Texts Available	9
A.W.W.A. Seeks to Establish Student Activities	9
Cohen to Direct E.P.A. Legislation Office	9
Call for Papers - A.W.R.A.	10
Canter Appointed C.E. Head at Oklahoma	10
Toronto Proceedings Available	10
1971 Laid Foundation for Cleaner Environment	11
Texas Water Resources Proceedings	11
Public Meetings on Turn-Key Regulations	12
Vanderbilt Environmental Conference Scheduled	12
Hale Named E.P.A. Solid Waste Head	12
Eastin Appointed E.P.A. Industrial Affairs Consultant	13
Academic Position at Iowa State	13
Newcastle upon Tyne Courses	13
Agardy Joins U.R.S. Research	14
Ford Foundation Has a Better Idea	14
Burgess Named Dean at Oregon State	14
Massachusetts Offers Short Course	15
Hyde Memorial Scholarship at Berkeley	15
Whipple Awarded Presidential Citation	15
Pollution-Free Cars Developed in Japan	17

NEW A.A.P.S.E. OFFICERS AND DIRECTORS FOR 1972

At the December board of directors meeting in Washington, it was announced that the following had been elected to serve three-year terms as directors of AAPSE: (1) Dr. Richard I. Dick, Professor of Civil Engineering, University of Illinois; (2) Dr. John T. O'Connor, Professor of Civil Engineering, University of Illinois; and (3) Dr. Linvil G. Rich, Dean of The College of Engineering, Clemson University.

Dr. Dick had served one year of a term as director previously but resigned to go on sabbatical at the Water Pollution Research Laboratory in England. Dr. Rich has served one term as founding director of AAPSE. All three of these new directors are very well known for their past and continuing contributions to sanitary engineering education and the environmental engineering profession in general. They replace Dr. Raymond C. Loehr, Dr. Frederick G. Pohland, and Rolf T. Skrinde.

At this same meeting, the 1971 board of directors and the three new directors elected the following to serve as officers of AAPSE for 1972: President -- Dr. John H. Austin, Professor of Environmental Systems Engineering, Clemson University; Vice President -- Dr. Richard I. Dick, Professor of Civil Engineering, University of Illinois; and Secretary-Treasurer -- Dr. Wayne F. Echelberger, Jr., Associate Professor of Civil Engineering, Notre Dame University.

ANNOUNCEMENT FOR FOURTH BIENNIAL A.A.P.S.E. AWARD

The American Association of Professors in Sanitary Engineering will present during 1972 the fourth biennial Award for Outstanding Contributions to Teaching Sanitary Engineering Theory and Practice. Nominations are now being solicited, and preliminary information on prospective candidates and references can be submitted by completing the attached form and mailing it to the Awards Committee Chairman by March 1, 1972. Upon receipt, supporting information will be requested from the references to be reviewed by the Awards Committee for final selection of the awardee. Information required in support of nominations must be received by the Awards Committee no later than May 1, 1972.

To be eligible for the award, the awardee shall be an engineering educator principally engaged in teaching in the field of sanitary engineering who is age 37 or under and who has published at least one professional or scientific paper in a recognized journal. Nominations require names of at least two additional individuals from two different educational institutions who will be willing to provide supporting letters of recommendation including documentation of nominee qualifications. Format instructions will be sent to each reference to allow for proper documentation and evaluation of nominee credentials by the committee. Nonreceipt of required supporting information by the deadline indicated will result in disqualification of a proposed candidate. *[Please see nomination form at end of NEWSLETTER.]*



Recycled Paper

150 MANHATTAN SUMMER INSTITUTE

The American Association of Professors in Sanitary Engineering (*AAPSE*) will close out its first decade in 1972 with a membership of over 120. The small group of Professors in Sanitary Engineering who began the Association in 1963 envisioned an organization which would serve not only its membership but the profession as well. *AAPSE* has done much to reach this goal: by instituting a dialogue between the Association and various governmental agencies; by producing the REGISTER for use by prospective students and employers; by holding seminars and workshops for its members and others in the sanitary engineering profession; by preparing position papers and testifying before Congress; and by producing manuals for laboratory instruction.

But, as the first decade ends, *AAPSE* is faced with the possible serious curtailment of government support of professional training in the environmental field. The membership has been asked to express our opposition to such action to their Congressmen and to key state officials. The greatest challenge yet faced by *AAPSE* can be met and overcome if each member will communicate effectively with people from his state who in turn can carry the message to the proper Washington officials.

In the task ahead, AAPSE needs the renewed support and redoubled effort of each member. You can accomplish a great deal toward this objective by letting me know your ideas and opinions on matters of concern to AAPSE, and particularly on those areas in which you feel you can best serve during 1972

John H. Austin

John H. Austin, President
American Association of Professors
in Sanitary Engineering

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MESSAGE FROM THE PAST PRESIDENT

A year in office goes exceedingly fast, especially with the myriad challenges and opportunities associated with being president of AAPSE. The challenges that have been met and the positive activities that have been initiated have been due to the assistance provided by innumerable AAPSE members and to the cooperation of many individuals in EPA and other professional organizations. I would like to express my appreciation to them, and especially to the Board of Directors and the AAPSE Committee chairmen, for their action, cooperation, and advice. It is only through such cooperation that we are able to make progress.

The new officers are in the process of developing the committee structures for 1972. As soon as the assignments and commitments are made, the information will be made available to the AAPSE members. From observing the vigor and enthusiasm of the new officers and Board, I look forward to continued positive AAPSE activities in behalf of its members and the entire profession.

Raymond C. Loehr
President - 1971

[illegible]

1994 - Information for 1994-1995

Registration fee for the five-day courses is \$225.00 and for the four-day course \$200.00. This Institute, supported jointly by Manhattan College and the Environmental Protection Agency, has available a limited number of grants including stipends and travel allowance for candidates associated with governmental regulatory agencies and universities. Please address all correspondence regarding these courses to: Dr. Donald J. O'Connor, Environmental Engineering and Science Program, Manhattan College, Bronx, N. Y. 10471.

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WATER POLLUTION CONTROL FEDERATION

Call for Research Papers

1972 Annual Conference

Atlanta -- October, 1972

Abstract Preparation Instructions and Submission

Forms available from:

Dr. Wayne F. Echelberger, Jr.
Department of Civil Engineering
University of Notre Dame
Notre Dame, Indiana 46556
Phone: 219-283-6173

Deadline for receipt of abstracts -- 1 April 1972

The top row consists of approximately 60 upward-pointing triangles (Δ). The bottom row consists of approximately 60 downward-pointing triangles (∇).

NEW A.S.C.E. EXECUTIVE DIRECTOR ANNOUNCED

Eugene Zwoyer, New Mexico engineering educator and consultant, has been named to the top administrative spot at American Society of Civil Engineers headquarters, effective May 1. A Board of Direction member for the past three years as Director for District 15, Zwoyer will take over for retiring Executive Director William H. Wisely. [Civil Engineering]

THACKSTON TO JOIN TENNESSEE GOVERNOR'S STAFF

Dr. Edward L. Thackston, Associate Professor of Environmental and Water Resources Engineering, has been granted a three-quarters leave of absence from Vanderbilt University for a year to serve on the staff of Governor Winfield Dunn as an assistant for environmental and technological affairs. He will continue to teach one course at Vanderbilt during the year on a quarter-time appointment.

E.P.A. REGIONAL ADMINISTRATOR NAMED FOR DALLAS, TEXAS, POST

The appointment of Arthur Winston Busch, a professor of environmental engineering at Rice University in Houston, as the Environmental Protection Agency's Regional Administrator for Region VI, with headquarters in Dallas, was announced late last year. EPA Administrator Ruckelshaus said that Busch, 45, former chairman of the Environmental Science and Engineering Program at Rice University, will be "a distinguished addition" to EPA's roster of Regional Administrators. Busch began his new Regional Administrator duties on January 1. As Regional Administrator, Busch will be responsible for all EPA programs in air and water pollution control, noise abatement, solid waste disposal, pesticides and radiation regulation in five states: Texas, Louisiana, Arkansas, New Mexico, and Oklahoma.

With the appointment of Professor Busch, EPA has now completed the selection of its ten regional administrators. The other nine Regional Administrators previously named are: Francis R. Mayo, Region 5, with headquarters in Chicago; John McGlennon, Region 1, Boston; Jerome H. Svore, Region 7, Kansas City, Missouri; Gerald M. Hansler, Region 2, New York City; John A. Green, Region 8, Denver; Jack E. Ravan, Region 4, Atlanta; Paul DeFalco, Jr., Region 9, San Francisco; James L. Agee, Region 10, Seattle; and Edward Furia, Region 3, Philadelphia.

COASTAL ZONE POLLUTION MANAGEMENT

The Environmental Protection Agency and Clemson University are sponsoring a symposium on this topic in Charleston, South Carolina, February 21-22, 1972. Mr. Eugene Jensen, Dr. William Hargis, and Dr. Donald Baumgartner are among the speakers from governmental agencies who will discuss the role of regional and national agencies in marine pollution control. Also Dr. Erman Pearson, Dr. Donald O'Connor, and Dr. Donald Harleman are among the speakers that will present existing technology for coping with coastal pollution problems. For a copy of the program or other information contact Dr. John Andrews, Environmental Systems Engineering, Clemson University, Clemson, South Carolina 29631.

CORPS INTERESTED IN PUBLIC INVOLVEMENT

The Institute for Water Resources (IWR) of the U. S. Army Corps of Engineers is engaged in a continuing program of research, study, and evaluation aimed at achieving effective public involvement in Corps of Engineers' water resources programs. The Institute is interested in establishing informal liaison with any college, university, agency, consulting firm, or individual in the United States or Canada engaged in research or practice in this relatively new area of water resources concern to exchange information and insights regarding these activities which might be of mutual benefit. Anyone interested should contact: Mr. Burnham H. Dodge, Director, Center for Advanced Planning, IWR, 2461 Eisenhower Avenue, Alexandria, Virginia 22314, or phone 202-325-0370.

CARLSON NAMED WASHINGTON C.E. HEAD

Dale A. Carlson has been named chairman of the Department of Civil Engineering, University of Washington, Seattle. Dr. Carlson, who is a member of the Washington State Board of Health and the Metro Water Quality Advisory Board, hopes to create liaisons between the department and the community in environmental planning.

8th ANNUAL A.A.P.S.E. WORKSHOP AND BAHAMIAN CRUISE

The 8th Annual AAPSE Workshop will be held aboard a cruise ship sailing from the Port of Miami to Nassau and Freeport in the Bahamas and then back to Miami in a four-day period leaving on Monday afternoon and returning on Friday morning. Initially, it had been planned to hold the workshop during the period between Christmas and New Year's Day. Because no suitable cruise could be arranged during that period, the Workshop-Cruise has now been scheduled for the period 18-22 December 1972. This should be ideal for most AAPSE members as university, as well as elementary and high school, classes will have been dismissed by that time. In this manner your family can accompany you, and you will be able to return home with a beautiful suntan on 22 December prior to the holiday period. A preliminary schedule of events for the Workshop-Cruise has been listed below.

Tentative Schedule of Events

Departure (Miami)	4:45 p.m.	Monday, December 18
Reception on Board Ship	9:00 p.m.	Monday, December 18
Arrival (Nassau)	9:00 a.m.	Tuesday, December 19
Technical Session I	9:00--12:00	Tuesday, December 19
Lunch	12:00--1:30	Tuesday, December 19
Technical Session II	1:30--5:00	Tuesday, December 19
Social Hour & Dinner in Nassau	6:00 p.m.	Tuesday, December 19
Technical Session III	9:00--12:00	Wednesday, December 20
Lunch	12:00--1:30	Wednesday, December 20
Technical Session IV	1:30--5:00	Wednesday, December 20
Social Hour & Dinner in Nassau	6:00 p.m.	Wednesday, December 20
Departure (Nassau)	6:00 a.m.	Thursday, December 21
Technical Session V	9:00--11:30	Thursday, December 21
Closure of Technical Sessions	11:30--12:00	Thursday, December 21
Lunch	12:00 Noon	Thursday, December 21
Arrival (Freeport)	2:00 p.m.	Thursday, December 21
Free Period	2:00--5:00	Thursday, December 21
Dinner in Freeport	7:00 p.m.	Thursday, December 21
Departure (Freeport)	2:00 a.m.	Friday, December 22
Arrival (Miami)	9:00 a.m.	Friday, December 22

The workshop program has been carefully selected and is proving to be very timely and of an interest. The topic selected is "Mathematical Modeling in Environmental Engineering." The program objectives and a topical outline have been detailed below.

OBJECTIVES

Considerable research emphasis has recently been directed by AAPSE members and others toward mathematically describing the various systems that are relevant to environmental engineering. While the models which have been developed have been useful for description and simulation of laboratory research results, they have not been generally employed for the design and operation of real-world systems, nor have they been widely used by AAPSE members in the classroom as an educational tool. Accordingly, the proposed workshop has been designed to accomplish the following objectives:

- (1) To establish the current status of existing models with emphasis directed toward assumptions, accuracy, limitations, data required for model development, simulation techniques, and applicability.
- (2) To identify those models that can currently be employed directly for real-world design and operation applications.
- (3) To define simplified models that can be used by AAPSE members in the classroom and by their students for mathematically simulating the various environmental systems discussed. This will include print-outs of the computer program, solutions, numerous examples, and the necessary details such that the program can be employed with ease by the professor for classroom applications.
- (4) To compile, edit, and disseminate this information to workshop attendees and to make it available to all AAPSE members.

PROPOSED TOPICAL OUTLINE

- I. Process Performance Models for Water and Wastewater Treatment
 - A. Coagulation/Flocculation
 - B. Deep Bed Filtration
 - C. Clarification and Thickening
 - D. Fixed Film Biological Reactors (Trickling Filters & Rotating Disks)
 - E. Slurry Biological Reactors (Variations of Activated Sludge)
 - F. Adsorption and Ion Exchange
 - G. Oxidation Processes
 - H. Precipitation (Softening, Phosphorus Removal, etc.)
 - I. Composite Water and Wastewater Treatment Systems
 - J. Control of Treatment Systems
- II. Natural System Models
 - A. Streams
 - B. Estuaries
 - C. Lakes and Impoundments
- III. Transport System Models
 - A. Water Distribution Systems
 - B. Wastewater Collection Systems
- IV. Economic Models
 - A. Water Treatment Systems
 - B. Wastewater Treatment Systems
 - C. River Basins and Similar Large-Scale Environmental Systems

Tom Keinath and Marty Wanielista have completed a survey of the interest in and the potential for such a workshop. The response was very favorable and enthusiastic. To date, approximately 50 AAPSE members have signified their intent of attending this workshop. To reserve meeting rooms and cabins aboard ship, it will be necessary to place a deposit with the cruise line company with the balance of the payment due prior to sixty days before the sailing date. In this regard, a letter will soon be mailed to AAPSE members and other interested individuals to confirm the number of participants for this avant-garde workshop.

SYMPOSIUM ON POLLUTION CONTROL COSTS

A National Symposium on Costs of Water Pollution Control will be held in Raleigh, N. C. on April 6 and 7, 1972. Sponsored by the Research Triangle Universities and several national societies, the program will include sessions on: economic implications of national goals for water pollution control; cost effectiveness of comprehensive planning, design and construction, information and monitoring systems; economic incentives for pollution control; and economics of industrial waste management. For further information, please contact: F. E. McJunkin, Associate Director, Water Resources Research Institute, North Carolina State University, 124 Riddick Building, Raleigh, N. C. 27607.

AMERICANS CAN HAVE CLEAN ENVIRONMENT AND STILL SAVE MONEY

A National Wildlife Federation study reveals that Americans can have a cleaner environment and save \$14 billion per year. The Federation study indicates that the typical American family should be able to save \$113 per year with a national cleanup campaign which will reduce air pollution damages by 66 percent and still save \$87 annually while slashing water pollution damages by 90 percent. A team of investigators spent months interviewing environmental experts and economists to assemble the data which forms the basis for the conclusions.

The Council on Environmental Quality has estimated that polluted air results in the following annual damages: human health, \$6 billion; materials and vegetation, \$4.9 billion; and lowering of property values, \$5.2 billion. This totals \$16.1 billion. Economists conservatively estimate that water pollution costs the United States \$12.8 billion per year.

Thomas L. Kimball, NWF Executive Director, said the taxpayer-consumer should begin realizing savings on air pollution control by 1976; on water pollution control, by 1980. The Federation estimates that the average family must invest some \$500 by 1975 without any return. However, by 1979, the average family will recover this \$500 and, by 1980, begin realizing annual savings of approximately \$200--plus having a cleaner environment.

"We believe that Americans will make this investment once they are made aware of the benefits," Kimball declared. He said the Federation has commissioned an independent poll to determine information on the public's attitude. The results of this survey should be available in the spring.

LLOYD'S OF LONDON DROPS INSURANCE FOR POLLUTERS

Industries sued by their stockholders for polluting practice will no longer have Lloyd's of London, the famous insurance company, to fall back upon. Beginning with policies taken out September 1, 1971, the company has eliminated their coverage of company officers involved in suits deriving from pollution problems. The action was taken "because of the flurry of consumerism not anticipated a few years ago," according to a Lloyd's spokesman. He added that although most policies already enacted provide for cancellation on 30 days notice, the company would probably not exercise this option.

Industry has said that the policies never were designed specifically to cover pollution cases and that the Lloyd's announcement was only a clarification. The Insurance Company of North America took similar action two years ago when it told its policyholders that it would no longer cover liability from "the deliberate pollution of the air and water." New York and Connecticut have written laws against industrial purchase of pollution liability insurance; Wisconsin is considering a similar move. [Environmental Action Bulletin]

UNIT OPERATIONS AND PROCESSES TEXTS AVAILABLE

Two popular textbooks by Linvil G. Rich, Unit Operations of Sanitary Engineering and Unit Processes of Sanitary Engineering, have been reprinted and are now available in paperback editions at \$6.00 and \$7.00 per copy for the operations and processes texts, respectively, plus \$0.50 per copy for postage and handling. These texts may be obtained from: Rich Publishers Post Office Box 1185, Clemson, South Carolina 29631.

A.W.W.A. SEEKS TO ESTABLISH STUDENT ACTIVITIES PROGRAMS

For several years, the American Water Works Association has been trying to initiate "student activities" programs in all of their sections. These programs are aimed both at interesting students in the water works profession and at providing an opportunity for students to participate in regional meetings and other activities of the AWWA.

The AWWA, through its newly formed Student Activities Committee, is appealing to professors in sanitary engineering to help promote such programs for the benefit of their students. In many cases, sectional student activity programs provide funds for complimentary, introductory memberships in AWWA. Some sections provide free registration and special luncheons for students in attendance at their annual meetings. A number of sections have allocated a portion of their annual program for student papers. Still other efforts have been made, and are now accelerating, to make employment opportunities within the industry known to the students. A central clearinghouse for this purpose has been suggested; and the AWWA Organization Study Committee, headed by Lewis S. Finch, is developing recommendations for such a program.

Most recently the Water Quality Division of AWWA has indicated their interest in fostering student participation in AWWA by allocating a full 2-1/2 hour session for the presentation of student papers at the 1972 national meeting in Chicago. Professors having students performing research or conducting studies related to water quality are being asked to nominate them for this first "Universities Forum." Nominations are to be reviewed by a committee consisting of Roger Minear (IIT), Phil Singer (Notre Dame), Robert Ham (Wisconsin), Jack Cleasby (Iowa State), Roger Jorgen (Colorado), Alonzo Lawrence (Cornell), and John O'Connor (Illinois). Abstracts should be sent, as soon as possible to: Professor John T. O'Connor, Department of Civil Engineering, University of Illinois, Urbana, Illinois 61801.

Although the format for the Forum has not yet been decided upon, there is some sentiment for limiting presentations to 15-20 minutes so as to give a greater number of students an opportunity to make presentations. Perhaps the most exciting part of the proposed Forum is the fact that the students selected will have the relatively rare opportunity to give a presentation at a national meeting of a major organization under their own authorship. We hope you will advise all your students of this opportunity to share the spotlight in Chicago.

COHEN TO DIRECT E.P.A. OFFICE OF LEGISLATION

Howard A. Cohen has been named Director of the Office of Legislation for the Environmental Protection Agency, EPA Administrator William D. Ruckelshaus announced today. Mr. Cohen, 30, had been Deputy Assistant Secretary for Legislation (Welfare) at the Department of Health, Education and Welfare since June 16, 1969. He heads a newly re-organized office at EPA which combines the former Office of Congressional Affairs and the Office of Legislative Counsel.

CALL FOR PAPERS--A.W.R.A. ST. LOUIS CONFERENCE

Papers are invited in any aspect of water resources research, planning, development, management, technology, education, and information systems including social, economic, and political topics. However, special attention will be given to issues related to the following major categories: water quality considerations; water supply interactions; modeling interactions; social, legal and economic interactions; and data techniques. The main purpose of the annual water resources conference is to review and provide a comprehensive picture of the entire water resources field in the United States each year.

To have a paper considered by the Program Committee, authors are requested to submit a "short version" of their papers no later than April 1, 1972. This "short version" should give the paper's title, author(s) name(s) and affiliation and should be no less than two (2) and not more than three (3) pages long. Typing should be single spaced preferably in elite type, with left-hand margin of one inch and other margins not less than half an inch. Five (5) copies of this "short version" should be sent to the Chairman of the Technical Program Committee. Identify with an indication the category of subject content. Authors should also enclose their full mailing address on a separate sheet including their official rank or position, department or section, institute or firm. All authors who submitted their "short version" will be notified, as to whether or not their paper has been accepted, by the end of May, 1972. Please contact either Dr. T. E. Harbaugh, General Chairman, Civil Engineering Department, or Dr. D. L. Warner, Technical Program Chairman, Geological Engineering Department, both at the University of Missouri-Rolla, Rolla, Missouri 65401.

CANTER APPOINTED C.E. HEAD

Dr. Larry W. Canter has been appointed director of the University of Oklahoma's School of Civil Engineering and Environmental Science.

UNIVERSITY OF TORONTO PROCEEDINGS AVAILABLE

The proceedings of the conference "Environmental Studies--The Role of the University" held at the University of Toronto, 18-21 May 1971 will soon be available. The purpose of the conference was to more clearly delineate the role of the university in environmental studies. Input for the exchange of ideas came primarily from the Canadian university community, with further input coming from government agencies, the news media, the private sector, and the world community.

The programme was divided into three days. The first day dealt with the development, identification, and crystallization of questions, with the plenary session members addressing themselves to the "developing of questions" in the morning and the input session members looking at "what is the university's role" in the afternoon. The second day, the meeting split into nine sessions, with two group leaders for each session, and discussed facets of the question allotted to them. On the final day, the entire group reassembled for general discussion of the group leaders consolidated reports of the previous days meetings.

The publication of the proceedings is imminent and, to save overprinting, they would be most appreciative if you would either send your orders in now or a notification of your intention to purchase to: Mrs. J. S. Seddon, Institute of Environmental Sciences and Engineering, University of Toronto, Toronto 5, Ontario, Canada. Cost is \$5.00 per copy.

1971 LAID FOUNDATION FOR CLEANER ENVIRONMENT, RUCKELSHAUS SAYS

The Environmental Protection Agency in 1971 "plotted a course in which demonstrable and visible improvement of our air and water will increasingly occur in the next few years," EPA Administrator William D. Ruckelshaus declared today. Speaking at the National Press Club in Washington, D. C., Mr. Ruckelshaus said the many efforts of the EPA during its first year of operation "are not a cause for alleluias--for predictions of the millenium. Rather they are the sound foundations upon which real progress depends."

Among its significant steps during 1971, he added, EPA set national ambient air quality standards; inaugurated a permit program to regulate the discharge of wastes into navigable waterways; sought new authority in pending legislation to control environmental hazards of pesticides; established three national environmental research centers; completed major studies on recovery of municipal waste. The Administrator warned against seeking easy or immediate solutions to environmental problems. The recent water legislation passed by the Senate, he added, states that as a national goal there shall be no discharge of pollutants into waterways by 1985. While terming the goal praiseworthy, he pointed out that the pollutants that don't go into water go instead into the air or onto the land. To assume this is the best place to put them, he said, is "unwise and unsupportable."

Ruckelshaus also cautioned against viewing environmental problems in terms of personality struggles or concessions to vested interests. "If it will help," he said, "I will state categorically that I am not going to resign and the White House is not pushing me around." The Administrator stated that the nation's firmest hold on progress in environmental questions will result from "building for ourselves a set of laws that are workable and rational, followed by the vigorous enforcement of those laws."

He added, "In my opinion the worst disservice EPA could do for American industry...is to be a bad regulator. If our institutions are to survive--and government and industry are among them--they must perform the jobs assigned to them. And only firm regulation of industry by government can preserve the free enterprise system and the trust which a citizen places in his government."

WATER RESOURCES PROCEEDINGS

In water resources as in many other fields, environmental concerns have come into new prominence. Values represented by this new concern are in many cases in conflict with the notion of water resources development as a desirable and universally acceptable public activity.

The lectures recorded in this volume entitled "Conflicts in Water Resources Planning" examine the conflicts in water resources planning in the belief that an understanding of the issues is essential if the basic conflicts are to be resolved. The first section of the volume deals with such important issues as conservation of resources and the relation of water resources planning to land use policy. The second section deals with the government's role in water resources planning at the federal, state, and local levels. Ecology, an essential part of water resources planning, is the subject of section three.

These essays were presented by their authors at a conference held at The University of Texas at Austin in November 1970 and co-sponsored by the College of Engineering and the Center for Research in Water Resources. The proceedings, volume five in a series, is available for \$15.00 payable to The University of Texas from Center for Research in Water Resources, Balcones Research Center, Route 4, Box 189, Austin, Texas 78757.

E. P. A. PUBLIC MEETINGS ON "TURN-KEY" REGULATIONS

Six meetings to hear comments on proposed regulations governing so-called "Turn-Key" projects for waste treatment plant construction were held during January. William D. Ruckelshaus, Administrator of the Environmental Protection Agency, said that the deadline for written comments on the proposed regulations has been extended to January 20, 1972. Ruckelshaus added, "Because of the great interest which has been shown in the plan for 'Turn-Key' projects, we feel that the public should have an opportunity to comment on this proposed plan."

The proposed "Turn-Key" regulations permit the award of a contract to a single contractor who would be responsible for both the design and construction of a waste treatment works based on performance requirements specified by the municipality. The same contractor also would have to operate the completed plant for a specified period to assure that the entire project meets the performance standards. Ruckelshaus said the purpose of the "Turn-Key" approach is to (1) help assure that treatment works will be designed and built to meet water quality standards, (2) reduce the time interval from initial application for a Federal grant to start-up of the completed plant, and (3) encourage use of new technology in the waste treatment field, since the "Turn-Key" contractor must guarantee performance. The first public meeting was scheduled for January 10, 1972, in New York. Other cities where meetings were planned are: Atlanta, January 11; Chicago, January 12; Dallas, January 13; Denver, January 14; and San Francisco, January 17.

VANDERBILT ENVIRONMENTAL AND WATER RESOURCES CONFERENCE

The Eleventh Annual Environmental and Water Resources Engineering Conference, sponsored by Vanderbilt University and the Tennessee Department of Public Health, will be held June 1 and 2, 1972, at the Sheraton Motor Inn in Nashville, Tennessee. The technical content of the Conference will emphasize the interrelationships among water resources engineering, water quality control, water supply, municipal and industrial waste treatment, and solid waste management. There will also be a concurrent session on air pollution control activities on June 1. For further information, interested persons should write to Dr. Edward L. Thackston, Associate Professor of Environmental and Water Resources Engineering, Vanderbilt University, Box 133-Station B, Nashville, Tennessee 37203.

E.P.A. NAMES NEW HEAD OF SOLID WASTE PROGRAMS OFFICE

Samuel Hale, Jr., has been appointed Deputy Assistant Administrator for Solid Waste Management Programs of the Environmental Protection Agency. Hale, 29, was formerly Director of Special Projects for EPA. He replaces Richard D. Vaughn, who resigned last year to accept a position in private industry.

Hale, during his tenure as Director of Special Projects, helped to establish EPA's noise abatement program and environmental impact statement program. He has been responsible for the management of EPA's economic analysis activities, including a major study of the economic impact of pollution control. He was also in charge of evaluating EPA's implementation of the Resource Recovery Act of 1970 and has been participating in a joint EPA-CEQ study of recycling of wastes. He has conducted numerous other studies of such areas as the Refuse Act Permit Program, implementation of the Clean Air Act Amendments of 1970, and EPA manpower development activities.

E.P.A. NAMES CONSULTANT FOR INDUSTRIAL AFFAIRS

Maurice R. Eastin, former president of Esterline Corporation of New York City, today was named the Environmental Protection Agency's consultant for industrial affairs. EPA Administrator William D. Ruckelshaus, in announcing the appointment, said, "Mr. Eastin will serve the important function of explaining our agency's role and programs to industry. He will also give our agency a better appreciation and understanding of the problems that industry encounters in the environmental field."

Eastin, 57, will report directly to the Administrator. Recently, he resigned as president of Esterline, a manufacturer of recorders, test instrumentation, transducers, optical and audio devices, and nuclear cores. Commenting on his post, Eastin said, "I think a convincing argument can be made to industry that we are entering a new era--the era of the environment. This age will require new instrumentation and modernization of plant facilities. We want industry to see the era of the environment as an opportunity."

ACADEMIC POSITION AT IOWA STATE

The Department of Civil Engineering and the Engineering Research Institute of Iowa State University are currently receiving applications preparatory to filling a position of Assistant Professor of Civil (Sanitary) Engineering. Although the University currently is in the midst of a new-hiring freeze, they expect to be able to fill this position based on staff needs and the availability of an exceptionally well-qualified applicant. It is intended that the qualifications of a new staff man compliment those of the current 5 1/4 man faculty which include water quality design; biological treatment; physical-chemical processes; and hydrology, water resources, and stream water quality areas.

The staff feels that a new man should have an academic background in sanitary engineering and water resources engineering and be particularly strong in one of two areas: (1) water quality systems or (2) hydrology, general water resources including surface and groundwater phases. Initial appointment would be at the rank of Assistant Professor on a 9-month basis with a specific distribution of time between teaching and research. Staff members are encouraged to develop research competence and outside support for graduate students in their own special area and to work jointly with other staff in research of interest to the entire sanitary engineering section.

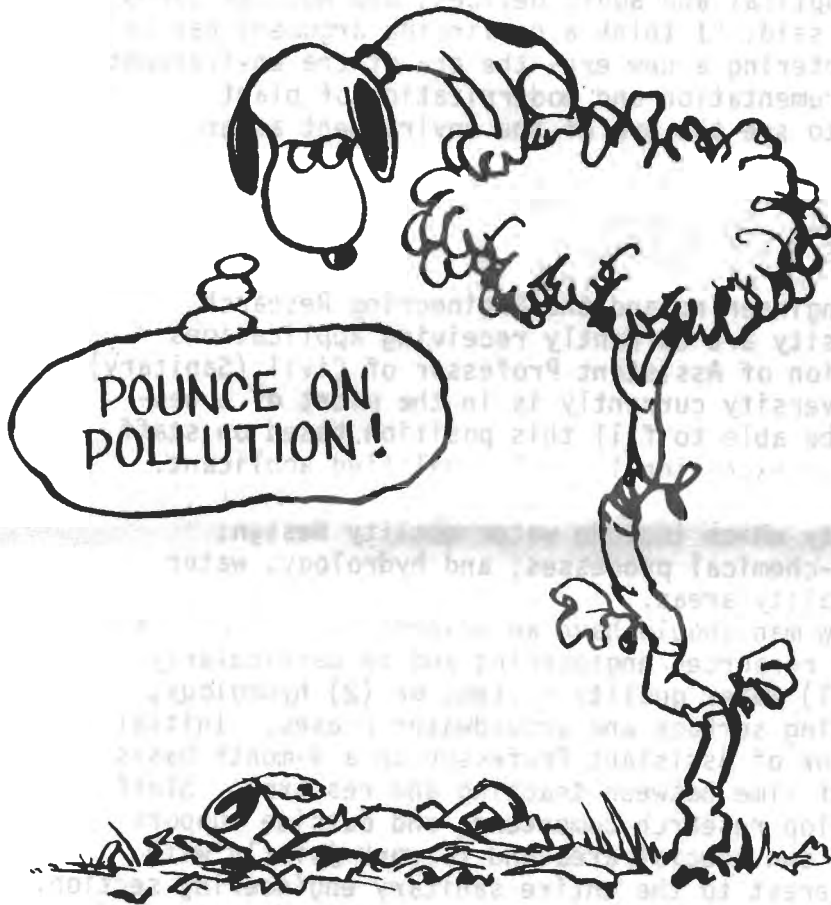
Applicants should submit a resume of their background of education and experience, including transcripts of academic work, together with names of people who are familiar with their professional qualifications. Copies of any theses prepared or papers published would be most helpful. For additional information, applicants should write or call directly: Dr. E. Robert Baumann, Professor-in-Charge, Sanitary Engineering Section, Department of Civil Engineering, Iowa State University, Ames, Iowa 50010, (515) 294-4975.

COURSES AT UNIVERSITY OF NEWCASTLE UPON TYNE

The University of Newcastle upon Tyne announces two five-day courses for practising engineers. They are: (1) Chemistry and Microbiology of Sewage--10/14 April 1972 and (2) Aerobic Biological Waste Treatment--17/21 April 1972. The Division of PUBLIC HEALTH ENGINEERING is running these two five-day residential courses for practising engineers. They are part of a series for those working in the field of water, sewage, and trade-waste treatment. For details and application forms please contact: The Administrative Assistant, Department of Civil Engineering, University of Newcastle upon Tyne, Claremont Road, Newcastle upon Tyne, NE1 7RU.

FRANKLIN AGARDY JOINS U.R.S. RESEARCH

URS Research Company has announced the election of Dr. Franklin J. Agardy as Executive Vice President of the company. Dr. Agardy has been connected with URS since 1965 and is Director of the Environmental Systems Division. Dr. Agardy was for many years on the faculty of San Jose State College and was Professor of Civil Engineering. In his new post, Dr. Agardy will assume new program development responsibilities. He will continue as Director of the Environmental Systems Division. URS Research Company is an affiliate of URS Systems Corporation of San Mateo.



THE FORD FOUNDATION "HAS A BETTER IDEA"

The Foundation has earmarked \$385,000 to assist municipal conservation commissions in up to 150 communities in New York, New Jersey, and the New England states. Each commission can receive up to \$5,000 to lay the groundwork for solution to a broad range of environmental problems, primarily, waste management, land use, and pollution control. Municipalities will have to match amounts over \$750.

BURGESS NAMED DEAN

Fred J. Burgess, acting dean of Oregon State University's school of engineering and head of the department of civil engineering, has been named dean of the school of engineering.

"POSITIONS AVAILABLE" AND "POSITIONS DESIRED" LISTINGS

In the past, the *A.A.P.S.E. NEWSLETTER* has carried a number of "positions available" and "positions desired" notices. At least for the present, this service to environmental engineers and prospective employers will be continued on a "space-available" basis.

We invite prospective employers to advise us of specific needs for environmental engineers with graduate training. This would include consulting firms, industries, and federal and state government agencies as well as universities. Please provide us with brief and specific information regarding necessary education and experience, duties and responsibilities, location, etc. Environmental engineers seeking positions should provide very brief statements of background, qualifications, nature of position desired, etc., in either "camera ready" form or a form that requires a minimum of editing and preparation. We reserve the right to edit or reject any request.

It is felt that this is a worthwhile service to the environmental engineering profession, and we hope you will utilize it.

MASSACHUSETTS OFFERS SHORT COURSE

The University of Massachusetts will conduct an environmental quality control short course, "Monitoring and Analysis Procedures," May 15-18, 1972. Concurrent sessions on measurement of major air and water pollutants and solid wastes and noise pollution are included. The fee for the course, which will include lectures and workshops, is \$160. Interested persons should write: Course #CE 72-54, Continuing Education, University of Massachusetts, Amherst, Massachusetts 01002.

HYDE MEMORIAL SCHOLARSHIP AT BERKELEY

Charles Gilman Hyde, Emeritus Professor of Sanitary Engineering at University of California--Berkeley, passed away in September 1971 at the age of 97. In memory of this pioneer educator and practitioner in sanitary engineering, a memorial scholarship is being established to aid a senior-year student in civil engineering at University of California--Berkeley whose interests are in the sanitary/environmental engineering area. Contributions to this fund are invited. Please make checks payable to "The Regents of the University of California: Charles Gilman Hyde Memorial Fund," and send to: Office of Fellowships and Grants, University of California, Berkeley, California 94720.

If you have an item to contribute that would be of interest to the environmental engineering community, please submit it to the Editor. The next issue will be April 1972.

WHIPPLE AWARDED PRESIDENTIAL CITATION

William Whipple, Jr. of Rutgers University has been awarded a commendation by President Nixon for "outstanding leadership in the planning and management of unpolluted water and land resources" while director of the Water Resources Research Institute in New Jersey.

NOT AVAILABLE AND "POSITIONS OF FIRST

Nomination for Fourth Biennial A.A.P.S.E. Teaching Award

Nominee: _____

Address: _____

Nominated by: _____

Address: _____

Proposed Reference: _____

Address: _____

Proposed Reference: _____

Address: _____

Additional Reference: _____

Address: _____

Return by March 1, 1972, to:

Dr. F. G. Pohland
School of Civil Engineering
Georgia Institute of Technology
Atlanta, Georgia 30332



POLLUTION-FREE CARS DEVELOPED

Three Japanese companies, Sony Corporation, Fuji Heavy Industries, and Shinke Electric Company, have experimentally developed a pollution-free electric car that runs on batteries not requiring periodic recharge. Powered by a new zinc-air fuel battery, the two-seater can run continuously for about five hours at a speed of 25 to 30 m.p.h., with a maximum speed of 57 m.p.h. The companies predict that commercial production may come within three years.

"Ecos" of Burma Shave?"

*"The old mill stream
Where we once embraced
Flows gently now
With industrial waste."*

*"For this coffin
Show some pity:
He breathed the air,
Of New York City."*

CHANGE OF ADDRESS FORM

If the address label on this issue of the *AAPSE Newsletter* needs to be updated, please fill out the form below and send it to the Editor. We would like to have the latest correct address for all individuals on our mailing list.

Please detach and mail to:

Benjamin C. Dysart, III, Editor
A.A.P.S.E. NEWSLETTER
401 Rhodes Engineering Research Center
Clemson University
Clemson, South Carolina 29631

Name: _____

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_____ send information regarding AAPSE and membership

A.A.P.S.E. NEWSLETTER

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