

# AAPSE

## NEWSLETTER

AMERICAN ASSOCIATION OF PROFESSORS IN SANITARY ENGINEERING

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Vol. 2, No. 3

March, 1967

TEACHER: What are natural resources, Randy?

RANDY: It is a thing that is just there. But if you dig it or work it, it produces money.

TEACHER: Ahem. Okay! Name one of this country's chief natural resources, Penny.

PENNY: Taxpayers.

--E. R. Murphy, in Water Purity.

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## AAPSE BOARD MEETS WITH SECRETARY OF INTERIOR AND STAFF

A joint meeting between the AAPSE officers and directors and Secretary of the Interior Stewart L. Udall and several Assistant Secretaries and other officials of Department of the Interior agencies was held in Washington on December 2, 1966. The meeting was arranged by Dr. Thomas F. Bates, Science Advisor to the Secretary of the Interior.

The group met with Secretary Udall in his office at noon to discuss the role of water quality management in the conservation of our nation's water resources. Secretary Udall's keen interest in the preservation of aesthetic values in the environment and conservation of this natural resource was evident and greatly appreciated.

The morning session of the meeting was attended by the following Interior officials as well as by all the members of the Board of AAPSE:

Dr. Thomas F. Bates, Science Advisor to the Secretary of Interior

Dr. Leon Weinberger, Acting Assistant Commissioner, Federal Water Pollution Control Administration

Mr. Eugene D. Eaton, Associate Director, Office of Water Resources Research

Dr. Joseph E. Upson, U. S. Geological Survey Water Resources Division

Mr. J. Karl Lee, Staff Assistant to Assistant Secretary for Water and Power

Mr. Newcomb B. Bennett, Jr., Assistant Commissioner, Bureau of Reclamation

Mr. K. K. Young, Assistant Chief, General Engineering Division, Bureau of Reclamation

Dr. F. Pierce Linaweaver, Assistant to the Secretary

Dr. W. S. Gillam, Assistant Director for Research, Office of Saline Water

Dr. Roy Wood, Chief, Division of Water Resources, Bureau of Outdoor Recreation

Dr. Bates reviewed the organization of the Department of Interior insofar as the water-related activities are concerned. He likened the organization to that of a large university.

Dr. Gloyna then described the aims and objectives of AAPSE. Professor Sylvester described the Register of Graduate Programs in Sanitary Engineering and distributed copies of the Register to the Interior Department participants. The effect of government support of research and training was demonstrated. Professor Kaufman reported on the forthcoming Conference on Education and its implications in focusing attention on the problems of accreditation and upgrading of graduate education. Professor Eckenfelder reported on the workshops and the general need for training at the graduate level for engineers and for retraining of engineers in the technology of water quality management. Professor

Bloodgood described a number of activities of universities to provide continuing education, including the Purdue Industrial Waste Conference. Professor Ewing commented on the function of the AAPSE NEWSLETTER in providing a communication link.

Dr. Weinberger made several important points about the Federal Water Pollution Control Administration. The facilities grant authority was not transferred to the FWPCA when other activities were transferred from the Public Health Service. An Interior Department objective is to develop a more rapid grant approval procedure. The Department does not at present intend to retain the Study Sections for review of research proposals. Emphasis will be on application of research to engineering practice; research is specifically authorized for storm sewer separation, industrial waste treatment, and advanced waste treatment. The Department of the Interior has authority to make contracts for research.

Mr. Eaton described the activities of the Office of Water Resources Research, all of which is extramural. Dr. Wood pointed out that one of the major problems of the Bureau of Outdoor Recreation, which is only about four years old, is lack of facts needed to evaluate benefits of outdoor recreation.

The USGS Water Resource Division is concerned with the nature and occurrence of water in the natural environment. Their program involves a general appraisal of the water resource, special studies of individual problems, and basic research. For training, they send some of their employees to universities for graduate study and provide summer employment for students. They have only a small amount of money for extramural research but have a thesis support program and sometimes employ professors on a part-time basis.

Mr. Lee discussed the Water for Peace Conference to be held in Washington May 23 through 31, 1967. Mr. Bennett described the activities of the Bureau of Reclamation in the western states. The Bureau's research budget varies from \$10 million to \$16 million per year. They are spending about \$3 million per year on research in weather modification, about 90 percent of which is for programs involving universities. Their interest in water quality is centered around water quality effects on irrigation, thermal pollution, salt build-up, etc. Mr. Bennett emphasized that they liked the new program at the University of Pittsburgh in water resources management.

Dr. Gillam discussed briefly the activities of the Office of Saline Water. Their research, which is entirely extramural, ranges from basic to applied.

After meeting with Secretary Udall, the group had lunch with Undersecretary Charles F. Luce; with Kenneth Holum, Assistant Secretary for Water and Power Development; Harry R. Anderson, Assistant Secretary for Public Land Management; J. C. Moore, Assistant Secretary for Mineral Resources; Stanley A. Cain, Assistant Secretary for Fish and Wildlife and Parks; and Henry P. Caulfield, Executive Director, Water Resources Council. Also at the luncheon were Dr. Roland R. Renne, Director of the Office of Water Resources Research and Professor Robert L. Smith, currently on leave from the University of Kansas while serving as Chairman of the Committee on Water Resources Research of the Federal Council of Science and Technology in the Executive Office of the President. Mr. Frank C. DiLuzio, Assistant Secretary for Water Pollution Control was unable to be at the luncheon because of illness.

The meeting was an important one and was extremely helpful in establishing a line of communications between AAPSE and these many agencies of the Department of Interior. It was most cordial and indicated that Interior Department personnel are interested in what AAPSE is endeavoring to do to improve education in water quality management.

#### BOARD MEETING IN WASHINGTON

The eleventh meeting of the Board of Directors of AAPSE was held in Washington, D. C. on December 1 and 2, 1966. All the members of the Board, including the newly elected members who took office on January 1, were in attendance. Items of business on the agenda included interpretation of the by-laws with respect to the term of office of officers and eligibility for membership. Professor Sylvester presented each Board member with a copy of the Register of Graduate Programs in the Field of Sanitary Engineering Education, and the need for keeping the Register up to date was discussed.

Professor Kaufman discussed the Environmental Engineering Education Conference and Professor Pearson gave a report on the International Association on Water Pollution Research. There was discussion of procedures for reimbursement of AAPSE members for travel and budget expenses. Professor Eckenfelder reported on the progress in organizing the Workshop in June 1967.

The second day of the Board meeting was a joint meeting with various officials of the Department of the Interior.

#### NEW BOARD MEMBERS

New members of the Board of Directors of the American Association of Professors in Sanitary Engineering who were elected for a three-year term ending December 31, 1969 are Professor W. J. Kaufman, University of California, Berkeley; Professor J. F. Andrews, Clemson University; and Professor J. A. Borchardt, University of Michigan. Professor Kaufman had just completed a term on the Board and was reelected. Professor E. A. Pearson, past-president of the Association retired from the Board upon completion of his term in January. President E. F. Gloyna will continue to serve on the Board until January 1968 when his term of office as President ends.

The Association is greatly indebted to Professor Pearson for the leadership he gave so generously during the first three years of its institutional life. The new Board members will certainly be challenged by the many opportunities the Association now enjoys to fulfill its objectives in improving sanitary engineering education.

LEGISLATIVE ANALYSIS  
by  
G. W. Reid

PHS CLARIFIES COST SHARING

The Public Health Service last November revised its policy on cost-sharing and distributed a draft of the new policy to all grantee institutions. Because of concern within the Bureau of the Budget elsewhere, this plan allowing institutions at their option to submit an institutional cost-sharing agreement in lieu of agreements on each separate project, has been clarified by the Public Health Service. Indicating that such a plan would tend to encourage institutions to submit plans at close to 5 percent cost-sharing, regardless of the institution's average previous percentage, the Service reminds grantees of the requirements in Bureau of the Budget Circular A-74 that "agencies should generally continue their present policies and practices concerning the extent to cost participation by grantee institutions."

The Public Health Service has also seen fit to warn institutions that previous cost-sharing policies and arrangements are expected to be approximated under the institutional plan, in the absence of special considerations justifying lower percentages. Therefore, each institution submitting an institutional cost-sharing agreement will now be required to submit along with its proposal an estimate of the level of cost sharing on PHS grants over the past two years. If the percentage proposed is substantially lower than the average previous figure, the institution will be asked to justify the reduction.

The Public Health Service seeks to justify the lower cost-sharing percentages on several grounds, and the new bulletin is said not intended to discourage justifiable reductions in percentages but simply to clarify the issues.

WATER RESOURCES COUNCIL - STATE WATER GRANTS

Secretary of the Interior Udall, Chairman of the Water Resources Council, has announced the Council's approval of procedures for granting water resource planning funds to the States. Secretary Udall said that "the purpose of the financial grant program is to encourage increased comprehensive planning of the States in the development of water resources, including the preparation of plans coordinated with regional and national programs. The objective of a clean and adequate water supply for all Americans requires total participation in resource planning at all government levels."

Under Title III of the Water Resources Planning Act of 1965, the Congress authorized five million dollars per year for ten years to assist the States in developing and participating in water resource planning. 1967 funds appropriated total \$1.7 million.

In applying for grants, the States must declare the current status of comprehensive water and related land resource planning within the State, describe present water planning activity conducted on a continuing basis by State agencies, the State's need for augmented planning, and information relating to economic conditions within the State. Allocation of funds to the States is based on a formula considering population, land area, per capita income, and need of the State for comprehensive water resource planning programs, including the ability of a State to provide matching funds.

Twelve States have filed application for planning funds prior to the adoption of formal regulations. They are: Arkansas, Hawaii, Idaho, Kansas, Kentucky, Michigan, Missouri, Nebraska, Nevada, North Dakota, Oklahoma and Virginia. Fifteen other States have filed letters of intention to apply.

#### HOUSE GRANTS CONTRACT AUTHORITY TO INTERIOR

The House has passed S.3460 giving the Department of the Interior across-the-board authority to enter into contracts for scientific and technological research. However, an amendment added by the House requires that no contract of over \$25,000 can be executed before 30 calendar days after the Senate and House have been notified of the intent to award the contract. The bill will have to return to the Senate for approval of this amendment.

#### FIELD NARROWED FOR HEALTH SCIENCE ADVANCEMENT AWARDS

Out of 128 preliminary proposals, the National Institute of Health invited 15 institutions to submit detailed proposals in competition for not more than six health science advancement awards to be made this fiscal year. The institutions are: the University of Vermont, State University of New York at Stony Brook, Rutgers University, University of Tennessee, Florida State University, Purdue University, University of Colorado, University of Oregon, University of California at San Diego, Brown University, University of Rochester, Carnegie Institute of Technology, Vanderbilt University, Rice University, and Washington University (St. Louis).

The purpose of the awards is to provide grants of about \$500,000 a year over a five-year period to stimulate major improvement in existing capabilities in health research and related graduate activities. "Pilot" grants were awarded last June to the University of Virginia and Cornell University.

#### OVER-ALL PLANNING ADVISORY BODY APPOINTED FOR NIH

Dr. James A. Shannon, Director of the National Institute of Health, has announced the appointment of an advisory committee. Specific functions of the committee will include: 1) assisting the Director in over-all planning and program development bearing on the NIH role in the future course of the national medical research effort, 2) examining the distribution of current research efforts and the over-all progress of existing programs, and 3) determining the influence of NIH activities upon the medical sciences, medical education, and the related research and academic institution.

Members of the committee are Dr. Philip Cohen, University of Wisconsin; Dr. Maurice John Hickey, University of Washington; Dr. Wendell M. Stanley, University of California at Berkeley; Dr. Jerome Weisner, Massachusetts Institute of Technology; Dr. Douglas D. Bond, Western Reserve University; Dr. G. Franklin Edwards, Howard University; Dr. Caryl P. Haskins, Carnegie Institution of Washington; Dr. Irving M. London, Yeshiva University; Dr. William D. McElroy, Johns Hopkins University; Mr. V. G. Nielsen, Aerospace Corporation; and Dr. Barnes Woodhall, Duke University.

#### ENGINEERING GRADUATE PLACEMENT SURVEY

The 1966 survey of engineering graduate placement, conducted annually by the Engineering Manpower Commission of the Engineers Joint Council, shows

that the number of bachelor's degree engineers accepting employment immediately after graduation dropped from 58 percent last year to 54 percent this year. Also, 25.6 percent are going on for graduate work compared to 24.8 percent last year. Fewer than 1 percent reported no offer or plans for post-graduate activity.

Starting salaries for engineers with bachelor's degrees averaged between \$6590 and \$6820 per year, making them, according to the report, the highest paid category of new college graduates.

Copies of the survey are available at \$1.50 per copy from the Engineering Manpower Commission, Department "P," 345 East 47th Street, New York, N. Y., 10017.

### MANDATORY CERTIFICATION LAWS

by  
Arless D. Ray

Many state colleges and universities have been involved, by tradition, in short schools for operator training, and several current factors are important to such activities. Over a dozen states have adopted within the past two or three years, a mandatory certification law for plant operators, and the problems associated with operator training have been brought into sharp focus by this action. Model laws are available through AWWA and WPCF, and Harris Seidel has reported (in JWPCF) on the practical aspects of getting this type of bill passed in a given state.

Missouri has been attempting to obtain support for a mandatory certification bill, and several organizations were not receptive to the idea until adequate information was available on implementation in those states involved. For this purpose, Mr. Paul Hickman of Springfield, Missouri, sent opinion survey questionnaires to almost 400 individuals in states where mandatory licensing is now in effect. The sampling was designed by categories, such as regulatory agencies or plant operators, although individuals within a category were selected at random. Approximately two-thirds return of the questionnaires were completed and returned. The tabulated results were:

What has been the effect of the Mandatory Certification Act in your state:

1. On salaries of operators?

59.3% - increased salaries  
24.0% - no effect  
16.7% - unknown

2. In stabilizing employment and reducing turnover in plant personnel?

62.6% - less turnover  
19.0% - no effect  
18.4% - unknown

3. On lessening political influence in plant operation?  
58.3% - reduced political interference  
24.5% - no effect  
17.2% - unknown
4. On upgrading quality and capability of personnel?  
88.6% - beneficial  
4.8% - no effect  
6.6% - unknown
5. On improving opinion of general public regarding competency of plant personnel?  
67.1% - improved public opinion  
10.7% - no effect  
22.2% - unknown

Undoubtedly, many opinions reflected ideals as opposed to reality, but the significance underlying these results is the apparent endorsement of mandatory certification in those states with such a law.

Many schools actively participate in operator training to accommodate faculty desires or outside pressures; most do not because it is felt that such activities interfere with a basic teaching-research obligation. For those schools involved in operator training, it is likely that mandatory certification will lead to a more formal framework for this activity.

#### AAPSE OPEN MEETING AT PURDUE IN MAY

The American Association of Professors in Sanitary Engineering will hold another meeting at Purdue during the Industrial Waste Conference. Tentative plans are for a panel discussion on the subject of "A Critical Appraisal of the Granting Mechanism for Research Grants in the Federal Government" by a panel of experts led by Professor W. J. Kaufman. The brief comments of the panel will initiate an open discussion from the floor with a wonderful opportunity for many people to learn more about the trend indicated by recent events and for anyone interested to make some suggestions for improvement of the system. The meeting is expected to be scheduled for Tuesday evening, May 2. It is hoped that all professors and other interested people at the Industrial Waste Conference will watch for an announcement of the time and place and will attend the meeting.

#### SECOND NATIONAL CONFERENCE ON ENVIRONMENTAL AND SANITARY ENGINEERING GRADUATE EDUCATION

The Environmental Engineering Inter-society Board and the American Association of Professors in Sanitary Engineering are cooperating to sponsor the Second National Conference on Environmental and Sanitary Engineering Graduate



Education to be held at Northwestern University, Evanston, Illinois, on August 28, 29, and 30, 1967.

The First National Conference was held at Harvard University in June, 1960, under the auspices of the American Sanitary Engineering Inter-society Board, which is now the Environmental Engineering Inter-society Board. This conference developed ideas and suggested improvements for graduate curricula in sanitary engineering and proposed accreditation of graduate programs through the Engineers Council for Professional Development. The rapid expansion in numbers and scope of graduate programs in this field makes another conference desirable.

A Steering Committee has been selected consisting of G. A. Rohlich (Chairman), W. J. Kaufman and L. G. Rich (Vice Chairmen), and Joseph McCabe, A. F. Gaudy, J. C. Morris, R. C. Loehr, R. S. Engelbrecht, and H. B. Gotaas. Task committees have been named for preparation of a position paper on each of nine topics to be discussed; namely, the role of the sanitary engineer in environmental engineering, graduate curricula for professional and research careers, identifying activities of people in the environmental engineering field, criteria and mechanism for accreditation, chemistry in environmental engineering curricula, biology in environmental engineering curricula, social sciences in environmental engineering curricula, engineering preparation for non-engineering students in environmental engineering programs, and planning of environmental systems.

At the conference plenary sessions, each task committee will present a summary of the position paper and lead the discussion. Following the review and discussion at the conference, final position papers will be prepared by each task committee for incorporation in a final report of the conference. This procedure will insure a successful conference and will yield a report which will contain the recommendations of the conference for the guidance of those who are developing or strengthening graduate programs in this field in years to come.

#### NEW COMMITTEE ORGANIZATION FOR AAPSE

President E. F. Gloyna has announced the membership of AAPSE committees for the year 1967. The committee assignments are as follows:

Meeting Arrangements Committee: E. R. Baumann, D. E. Bloodgood,  
N. L. Nemerow, R. R. Dague.

Audit Committee: J. W. Clark, G. J. Schroepfer, E. M. Miholits.

Eligibility Committee: R. I. Dick, E. R. Baumann, F. J. Agardy,  
F. J. Burgess.

Awards Committee: D. J. O'Connor, J. A. Borchardt, M. Katz,  
J. E. Kiker, Jr., H. S. Smith.

Committee on Education Resources: R. O. Sylvester, W. J. Kaufman, P. A. Krenkel, R. C. Loehr, and G. Dunstan (non-member EEIB representative).

Education Committee: W. J. Kaufman, J. F. Andrews, J. A. Borchardt, D. A. Okun, W. O. Pipes, G. J. Schroepfer.

Subcommittee on Visiting Lecturers: J. Malina, Jr., R. E. Selleck, W. O. Pipes, G. A. Rohlich, W. J. Weber, Jr.

Subcommittee on Workshops: W. Eckenfelder, J. A. Borchardt, J. F. Andrews, R. S. Engelbrecht, A. F. Gaudy, Jr., C. W. Randall, D. R. Washington.

Intersociety Cooperation Committee: P. A. Krenkel, A. F. Gaudy, Jr., M. Katz, K. H. Mancy, W. A. Parsons.

Legislative Analysis Committee: G. W. Reid, P. W. Purdom, P. A. Krenkel, J. E. Kiker, P. H. McGahey, L. G. Rich, J. C. Ward.

Newsletter Committee: B. B. Ewing, J. T. O'Connor, E. Edgerley, Jr., T. H. Feng, N. B. Jones, J. W. Klock, J. F. Malina, Jr., S. Murphy.

Nominating Committee: D. E. Bloodgood, W. K. Johnson, R. I. Dick, A. D. Ray.

Membership Committee: R. S. Engelbrecht, J. W. Clark, E. Edgerley, Jr., J. W. Klock, E. J. Middlebrooks, R. L. Sanks, J. C. Ward.

Research Committee: E. A. Pearson, W. Eckenfelder, D. A. Carlson, R. S. Engelbrecht, N. B. Hanes, K. D. Kerri, H. N. Myrick, D. J. O'Connor.

In each case the chairman of the committee is listed first, and the co-chairman is the next person listed.

#### EDITORIAL - CONSIDER OUR PRODUCT

by

Don Washington

As professional educators, we should occasionally pause to consider the primary objective of our assignment. While mulling over the tasks that are expected of us, we may give different import to such facets as research, instruction, grantsmanship, administration, and creation of institute image. Regardless of the facets in which we excel, after due cogitation we should all agree that these tasks are not the end in themselves but rather the means by which our institution may produce a superior product - the graduate.

Since the education of the student is our primary assignment, we constantly strive to create an environment which will provide the student with the best academic experience. Graduation marks the completion of our product. To the graduate, however, this "commencement" ceremony represents the beginning of his professional career. I would suggest then that we should consider whether

Supporting agencies, such as FWPCA, are looking toward the academic community, represented in part by AAPSE, for the solution to our academic problem. These agencies do not wish to interfere with academic policy. Their support should remain financial. It is, therefore, up to us as educators to devise means of improving enrollment, and shaping the program to the personnel needs of the profession.

Many of you may have definite ideas on this subject. You should be able to air your views on these problems of production at the forthcoming Education Conference, August 28-30, 1967 at Northwestern University.

#### SECOND AAPSE WORKSHOP

Professor D. R. Washington, program chairman of the Second Annual AAPSE Workshop, has issued a call for papers to be presented at the three-day meeting scheduled for June 5-7, 1967 at Boulder, Colorado. This is part of the effort of AAPSE to serve all professors engaged in sanitary-engineering oriented activities. These workshops are intended to be small informal gatherings which permit interchange of experiences of professors in the development of certain laboratory or classroom techniques. The first workshop was held last year near Austin, Texas and was devoted to a discussion of laboratory experiments in biological treatment of wastes.

The subject of this year's conference is Chromatography. The program will provide an introduction to the theory and the general hardware associated with chromatographic techniques, followed by papers presenting specific applications of gas, column, paper, and thin-layer chromatography.

For further information, write Professor Donald R. Washington, Program Chairman, Environmental Engineering, Rensselaer Polytechnic Institute, Troy, New York, 12181.

#### APOLOGIES - OOPS! SORRY ABOUT THAT, CHIEF

Your editor extends sincere apologies to two individuals for inaccuracies in reporting in the September issue of the NEWSLETTER. We reported that Dr. J. E. McKee is a member of the Steering Committee for the Second National Conference on Environmental and Sanitary Engineering Graduate Education. This was an error. We have since learned that Professor McKee is not a member of the committee. A correct list of the members of this committee is presented on page 9 of this issue of the NEWSLETTER.

We also apologize for omission of the name of Dr. George E. Symons from the Advisory Committee of the Water Pollution Control Federation appointed to advise Mr. Frank C. DiLuzio, Assistant Secretary of the Interior for Water Pollution Control. We regret the lapse of accuracy and apologize to both Dr. McKee and Dr. Symons as well as to our readers.

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### NEWSLETTER MAILING LIST

The November issue of the AAPSE NEWSLETTER was mailed with a post card for indication of needed changes in address in order to bring up to date and correct our mailing list. We very promptly received replies from 95 percent of our members and from more than 80 percent of the non-members on our mailing list. This great response indicates that the recipients of the NEWSLETTER not only read it, but also want to keep it coming. Several used the cards to suggest other names to be added to the list. Many indicated more accurate addresses.

The punched cards used for the mailing list have been corrected, and we think the current issue is correctly addressed. If any of our readers find that the address is not correct or if any addresses have changed, we would appreciate receiving some notice calling this to our attention.

### UDALL ANNOUNCES WATER RESOURCES RESEARCH PROGRAM

Secretary of the Interior Udall reports that the Office of Water Resources Research is now prepared to receive proposals for the support of water resources research pursuant to Title II of the Water Resources Research Act of 1964.

Under Title II the Secretary of the Interior is authorized to make arrangements with educational institutions, private foundations or other institutions, with private firms or individuals to undertake research into any aspects of water problems related to the mission of the Department of the Interior.

Dr. Roland R. Renne, Director of the Office of Water Resources Research, indicated that within the broad research program authorized by Congress available funds would be used for the support of research in major water problem areas and for the support of programs which would contribute knowledge essential for the solution of national water problems. Dr. Renne recommended the report, A Ten-Year Program of Federal Water Resources Research, prepared by the Federal Council for Science and Technology, Committee on Water Resources Research, and available from the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20240 (price 40¢) as an authoritative guide to national water resources research needs, goals, and priorities.

At this time, the Office of Water Resources Research proposes to emphasize support of meritorious selected projects in the broad research categories of water resources planning, water quality management and protection, water quality management, and the management of water in urbanized areas. In addition, the Office seeks solutions to the nation's water problems and any approach or idea which holds promise of providing solutions to those problems will be given consideration for support.

Instructions and applications for the submission of proposals for consideration for funding under the Title II provisions of the Water Resources Research Act may be obtained from the Director, Office of Water Resources Research, U. S. Department of the Interior, Washington, D. C., 20240.

ACADEMY FOR CERTIFICATION OF SANITARIANS  
(from Public Health News)

An Academy to give special recognition to professional sanitarians who have and are demonstrating a high degree of ability, competence, and leadership has been created and is known as the American Intersociety Academy for Certification of Sanitarians, Incorporated. The Academy was formally launched when it was legally incorporated in March, 1966.

The establishment of the Academy is an outgrowth of several years of planning by a group of professional sanitarians representing the National Association of Sanitarians, the International Association of Milk, Food and Environmental Sanitarians, and the American Public Health Association.

The Board of Directors of the Academy is now in a position to begin functioning and to receive, review, and act upon applications. Persons found eligible for certification will become Diplomates of the Academy and have voice in its operation.

Persons desiring further information should communicate with Harold W. Taylor, Secretary, AIACS, 2101 Wakefield Street, Alexandria, Virginia, 22308.

NEW ENVIRONMENTAL HEALTH STUDY LAUNCHED

A plan to eliminate man-made hazards from the environment is the goal of a Task Force on Environmental Health and Related Problems announced last week by Secretary Gardner. The mission of the six-member panel is "to assure that man will make the environment his ally and not his enemy. I want this task force to think at least 50 years ahead," he said, and to submit a report and recommendations by June 1, 1967.

Every major program of DHEW touches on the relationship between people and the world in which they live. Present Departmental responsibilities include the concern for air pollution, radiological hazards and the health aspects of water pollution, the Secretary said. The task force is to look beyond these responsibilities and to consider such threats to health and welfare as noise, over-crowded communities, lack of green space, long hours of commuting. It will explore DHEW's relationship with Federal, State and local agencies concerned with the environment and with industry whose activities affect man's surroundings.

Ron M. Linton, of Detroit, former staff director of the U. S. Senate Committee on Public Works is the task force chairman. Other members are: John Joseph Hanlon, director of public health, City of Detroit and Wayne County; Samuel Lenher, director and vice president, E. I. de Pont de Nemours & Co., Wilmington, Del.; Harold L. Sheppard, staff social scientist, W. E. Upjohn Institute for Employment Research, Washington, D. C.; Raymond R. Tucker, professor of urban affairs, Washington University, St. Louis; and Ann Draper, an economist in the research department of the AFL-CIO.

(Sanitary engineers or environmental health engineers are conspicuous by their absence. - Ed.)

## NATIONAL CONFERENCE ON AIR POLLUTION

The push is on to eliminate air pollution. The Public Health Service has just spent \$130,000 to emphasize this fact. The week of December 12th, NIH sponsored a National Conference on Air Pollution in Washington, D. C. which was attended by over 3,000 enthusiastic persons (there aren't that many experts, are there?). The purpose of the Conference was to lay the groundwork for future federal air-pollution-control legislation. This was the third PHS sponsored conference. The first was held in 1958 on the State-of-the-Art in air pollution control. The second was held in 1962 on the applied technology.

To emphasize the importance of the conference, Vice President Hubert H. Humphrey gave an address in which he stated "...more people are dying from emphysema..." a lung disease 'directly associated with air pollution' "...than on the field of battle in Vietnam...." He said the problem is too big for any one level of government or industry to solve and called for a working partnership of federal, state and local governments with industry in creating and supporting effective regional air pollution control agencies.

## INTERNATIONAL INFORMATION EXCHANGE ON WATER REUSE AICHE To Exchange Water Information

At the national meeting of the American Institute of Chemical Engineers at Detroit, the Institute's Water Committee, mainly at the urging of L. K. Cecil, consultant on water reuse and waste disposal, agreed to embark on a systematic campaign to promote international exchange of information on water reuse.

The Committee will collect names of both foreign and U. S. experts in the field, who will periodically report on developments in their respective countries. Cecil, on behalf of AICHE's Water Committee, will redistribute this information in a quarterly newsletter.

Asked whether this project might conflict with activities of the International Water Pollution on Research Association, Cecil stated that it now takes as long as two years for a development in water reuse technology to be published, and that this is far too long to be of much use.

## PUBLICATIONS

The League of Women Voters Educational Committee has compiled a new book on water pollution entitled "The Big Water Fight." This book relates the experiences of civic groups across the country in coping with water pollution. It contains helpful information, such as Federal and private organizations concerned with water use, for the guidance of citizen groups concerned with the abatement of water pollution. The book is published by the Stephen Green Press, Brattleboro, Vermont, list \$6.95.

How many times, regardless of how superior a treatment plant process may be, has the plant performance been at the mercy of the inadequately trained operator? There may be relief ahead for this situation in the form of water and waste water technology programs at junior colleges. The U. S. Office of Education has published a guide to setting up a two-year **post-high** school technician's course. The guide entitled "Water and Wastewater Technology" is available from the Division of Vocational and Technical Education, U. S. Office of Education, Washington, D. C., 20202.

#### NEW CHIEF NAMED FOR NIH ENVIRONMENTAL HEALTH SCIENCE DIVISION

Dr. Paul Kotin has been named chief of the newly authorized Division of Environmental Health Sciences at the National Institutes of Health. Dr. Kotin joined the NIH in 1962 after over 10 years as a professor at the University of Southern California School of Medicine.

#### FUTURE MEETINGS

- April 10-12 - The Institute of Environmental Science, 1967 Technical Meeting and Equipment Exposition, Washington, D. C. Sessions on Environmental Management and Environmental Equipment. Information from Robert P. Jones, Admiral Corp., 3800 W. Corland, Chicago, Illinois.
- April 24-26 - National Congress on Environmental Health Management, American Medical Association in New York City. One of the five panels will emphasize coordinating air and water pollution programs, particularly in the New York-New Jersey areas, development of environmental information centers, and R & D programs in industry.
- May 2-4 - Twenty-second Industrial Waste Conference, Purdue University, West Lafayette, Indiana. For further information write Professor D. E. Bloodgood, Department of Civil Engineering, Purdue University, West Lafayette, Indiana, 47907.
- June 4-9 - AWWA 87th Annual Conference, Atlantic City, New Jersey. For information, write AWWA, 2 Park Avenue, New York, N. Y., 10016.
- June 5-7 - Second AAPSE Workshop for Sanitary **Engineering Educators**, Boulder, Colorado. The workshop will discuss **techniques, equipment,** and importance of gas and column chromatography in laboratory courses for sanitary engineers. For further information, write Professor Donald R. Washington, Rensselaer Polytechnic Institute, Troy, New York, 12181.
- June 11-16 - International Symposium on Eutrophication, University of Wisconsin, Madison. Organized by the Division of Biology and Agriculture of the National Research Council in cooperation with the Atomic Energy Commission, Department of Interior, National Science Foundation, and Office of Naval Research. For further information, write to Dr. Michael R. DeCarlo, Division of Biology and Agriculture, National Research Council, 2101 Constitution Avenue, N.W., Washington, D.C. 20418.



- August 23-25 - A National Symposium on Estuarine Pollution, Stanford University, California. Sponsored by the Sanitary Engineering Division of the American Society of Civil Engineers. Technical papers will cover recent investigations on the effects of municipal, industrial, and agricultural pollutants on water quality and aquatic life. For further information and to submit papers contact Robert M. Kennedy, Kennedy Engineers, 604 Mission St., San Francisco, California.
- August 28-30 - Second National Conference on Environmental and Sanitary Engineering Graduate Education, Northwestern University, Evanston, Illinois. This conference is sponsored jointly by the Environmental Engineering Inter-society Board and the American Association of Professors in Sanitary Engineering. For further information write Professor Gerard A. Rohlich, Water Resources Center, Hydraulic and Sanitary Laboratory, University of Wisconsin, Madison, Wisconsin, 53706.
- October 9-12 - National Meeting Water Pollution Control Federation, Hotel Americana, New York, N. Y. For further information write Dr. R. E. Fuhrman, Water Pollution Control Federation, Washington, D. C.
- November 6-8 - National Symposium on Ground-water Hydrology, San Francisco, California, sponsored by American Water Resources Association. Further information from Program Chairman, Symposium, AWRA, Box 434, Urbana, Illinois, 61801.
- November 8-10 - Third American Water Resources Conference, San Francisco, California, sponsored by American Water Resources Association.
- September 2-5, 1968 - The Third International Fermentation Symposium will be held at Rutgers University, New Brunswick, New Jersey, under the auspices of the Division of Microbial Chemistry and Technology of the American Chemical Society, in cooperation with the Fermentation Industries Section, International Union of Pure and Applied Chemistry. The Institute of Microbiology, Rutgers University, will act as host. The symposium theme will be "Fermentation Advances in the Light of Recent Theoretical Progress in Microbiology, Biochemistry, and Engineering."

#### NEWS OF SANITARY ENGINEERING EDUCATORS

Dr. Ernest C. Tsivoglou, for many years associated with the Robert A. Taft Sanitary Engineering Center in Cincinnati, has retired from PHS and will head the Sanitary Engineering Program at the Georgia Institute of Technology.

Dr. Dean F. Peterson, on leave as Dean of the College of Engineering, Utah State University since September 1965, has returned to the U.S.U. campus after serving as Technical Assistant for Water Resources to Dr. Donald F. Horning, Science Advisor to the President in the Office of Science and Technology, Washington, D. C. Dr. Peterson also served as chairman of the Committee on Water Resources Research of the Federal Council for Science and Technology, which coordinates the 100 million dollar annual water resources research program conducted by 18 different bureaus in eight government departments. Under Dr.

Peterson's chairmanship, the Committee finished an exhaustive study of water research needs and published a 10-year plan for federal water resources research. Dr. Peterson will resume his post as Chairman of the Utah Center for Water Resources Research.

Dr. Jay M. Bagley has been appointed Director of the Utah Water Research Laboratory at Utah State University, replacing Dr. Vaughn E. Hansen who resigned last July. Dr. Bagley received a Ph.D. in Water Resources Engineering from Stanford University in 1964.

Professor Donald R. Washington has recently received a special Fellowship from the FWPCA for one year of research at the Swiss Federal Institute in Zurich. Professor Washington will study the nocturnal effects of algae on the stream oxygen balance.