



ISAWWA

ILLINOIS SECTION-AMERICAN WATER WORKS ASSOCIATION

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A.W.W.A. SAFETY AWARD PLAN

On January 28, 1957 the Board of Directors of AWWA at its annual winter meeting considered and unanimously approved a Safety Award Plan for water utilities. This action of the Board finalized an objective of the Safety Practices Committee which had it under consideration for almost two years.

AWARD PLAN FOR SECTIONS

The Safety Award Plan for Sections is based on the establishment of three awards: (1) the Award of Honor; (2) the Award of Merit; and (3) the Award of Progress. The value of the awards descends from the Award of Honor to the Award of Progress. The conditions of eligibility for the awards are simple. For example, utilities will annually be eligible for the Award of Progress by demonstrating a prescribed percentage reduction in the injury frequency rate when compared with the previous year. Thus, to be eligible for an award, a utility must have a safety record for at least one year prior to the year in which the award is won. The reductions required to be eligible for an Award of Progress are as follows:-

Less than 10 employees a 50% or more reduction
10 to 100 employees a 30% or more reduction
More than 100 employees 20% or more reduction

The variations in percentage reduction were necessitated by the wide range in the number of employees per utility, which varied from one to more than 3,500, and resulted in large variations in the exposure to risks.

The Award of Merit is an interim award for utilities employing not more than 50 people. It is awarded to those utilities that have experienced no lost-time injuries during the year. The number of consecutive Awards of Merit required to earn an Award of Honor are as follows:

<u>Number of Employees</u>	<u>Awards of Merit Required</u>	<u>Number of Employees</u>	<u>Awards of Merit Required</u>
1 to 9	5	30 to 39	2
10 to 19	4	40 to 49	1
20 to 29	3	50 and above	0

The top award, the Award of Honor, is earned annually by those utilities that attain a frequency rate of 10 or less and employ 50 or more people. It is also earned by the smaller utilities by fulfilling the requirements as set forth under the Award of Merit. The Award of Merit was interposed between the Award of Progress and the Award of Honor to produce some semblance of equality in earning the top award. It was recognized that for the smaller utilities the attainment of an injury-frequency rate of 10 or less would represent no outstanding accomplishment.

Safety awards are also available at the National level - one per year for each class size of utility. These awards will be granted only for outstanding accomplishment in safety during a calendar year. The awardees will be chosen by the AWWA Committee on Safety Practices from information sent to it by the various sections. Only Section Awardees will be eligible for the AWWA awards, and only one candidate for an award in each class size may be submitted by a section.

We earnestly hope that all members will do a real service to the Illinois Section in SAFETY by getting the "show on the road".

"SAFETY IS YOUR BUSINESS"

By: Oscar Gullans, Member AWWA, Safety Committee.



A MESSAGE TO THE TRIBE

By

Chief "Jerry" Davis

FORTY-SEVENTH ANNUAL CONFERENCE OF THE ILLINOIS SECTION A.W.W.A.

March 20th through March 22nd should be marked on the calendar of all members of the Illinois Section.

Another opportunity to gather in Chicago at the LaSalle Hotel for our Annual Meeting, where papers of importance to all men concerned with the production of potable water for domestic, as well as industrial use, will be given.

A chance to meet old friends and make new acquaintances. The technical sessions, as well as some of the bull sessions in many of the rooms, will furnish valuable information to water works men.

By your attendance you will evidence your desire to keep abreast with the advancements that are taking place in the water works industries. By your attendance you furnish an incentive to your officers to program and conduct a meeting of high caliber. One that is of interest to all members of the Section.

The Illinois Section is fortunate in having many members who are willing to contribute their time and hard work to maintain the high standards their predecessors have set. The present, as well as the past, Editors of ISAWWA are fine examples of men that were most unselfish with their time and effort.

The instigation and programing of the short course in water works management, sponsored by this Section and conducted at Allerton Park by the University of Illinois, is an achievement that the Section is most proud of. The In-Service Training Program, Visitation Days, all of these events are part of your membership in the AWWA.

Do you know some water works man that is missing the benefits of membership in your organization? Why not give him an application for membership and bring him along to Chicago, for what I feel is going to be a fine meeting.

/Signed/ G.L. Davis
Chairman,
Illinois Section
(Superintendent -
Water Works, Decatur)

PROGRAM - ILLINOIS SECTION
47 ANNUAL CONVENTION

WEDNESDAY AFTERNOON March 20, 1957

Presiding Officer - G. L. Davis

Co-Chairman - C. L. Baylor

1:30 -

Welcoming Address: James W. Jardine, Commissioner of Water
and Sewers, City of Chicago.

2:00 -

"Impact of Water Use for Air-Conditioning on Chicago Water
Systems."
H. H. Gerstein, Asst. Chief Water Engineer
Dept. of Water & Sewers, Chicago, Illinois

2:30 -

"Coliform Removal by Water Treatment Processes"
Dr. Graham Walton, In Charge
Water Treatment Evaluation Studies
Water Supply & Water Pollution Program
Cincinnati, Ohio.

3:00 -

"Public Relations Problems for Water Works Employees"
Bert Johnson, City Manager, Evanston, Ill.

3:30 -

"University Cooperation"
J. C. Dietz, Professor of Sanitary
Engineering, University of Illinois,
College of Engineering, Urbana, Illinois.

THURSDAY MORNING March 21, 1957

Presiding Officer - T. E. Larson

9:30 -

Picture (Water We Take for Granted)
Gary-Hobart Water Company

10:00 -

Forum - Ground Water

1. "Construction and Maintenance of Rock Well"
E. L. Nordness, Superintendent Water Works
& Sewerage, Madison, Wisconsin.
2. "Construction and Maintenance of Gravel Wells"
Albert Sabo, Manager, Water Utility,
Kalamazoo, Michigan.

PROGRAM - ILLINOIS SECTION (Cont'd.)

THURSDAY MORNING (Cont'd.)

3. "Water Well Production in Illinois"
Robert T. Sasman, Assistant Engineer
State Water Survey Division, Urbana, Illinois.
4. "Application of Submersible Pumps for Deep Wells"
E. R. Warnicke, Superintendent Public Works,
Des Plaines, Illinois.

THURSDAY AFTERNOON March 21, 1957

Presiding Officer - Armon Lund
Co-Chairman - William J. Downer

1:45

- "Designing for Future Water Demands"
A. H. Gent, Chief Engineer, Illinois Inspection
Bureau, Chicago, Illinois

2:30

Forum - Surface Waters

1. "Development and Control of Impounded Water Supplies"
J. R. Gardner, Principal Engineer,
Warren & Van Praag, Inc., Decatur, Illinois.
2. "Installation of Bascule Gates for Water Supply"
H. L. Chastain, Commissioner of Public Property,
City of Decatur, Illinois

3:30

- "Mineral Quality of Illinois Rivers"
T. E. Larson, Head, Chemistry Subdivision,
State Water Survey, Urbana, Illinois.
Bernt O. Larson, Engineer, State Water Survey,
Urbana, Illinois.

FRIDAY MORNING March 22, 1957

Presiding Officer - W. W. Wolfe
Co-Chairman - M. B. Gamet

9:10

Picture ("Water Tank")

9:30

- "Application of Electronics in Water Supply"
Howard Jacoby, Associate Editor, Engineering
News-Record, New York, New York.

PROGRAM - ILLINOIS SECTION (Cont'd.)

FRIDAY MORNING (Cont'd.)

10:30

"Oxidation - Reduction Potential Measurements."

A Study of Water Treatment Processes and Water Quality.

G. E. Margrave, Sanitary Engineer, Bureau
Public Water Supplies, Department of Public
Health, Springfield, Illinois.

James G. Weart, Chief Chemist, Division of
Laboratories, Department of Public Health,
Springfield, Illinois.

11:00

"Breakdown Tests of Water Meters at Springfield"

L. W. Hagel, Superintendent Water Department,
Springfield, Illinois.

11:30

"Installation and Maintenance of Valves and Hydrants"

L. F. Lindeen, Foreman, Water and Sewers Dept.
Wilmette, Illinois.

FRIDAY AFTERNOON

1:30

"Inspection Trip to Filtration Plant and other City Shops."



I S A W W A

CALENDAR OF COMING EVENTS

March 4-8, Inc.	Water Works Operators Short Course, University of Illinois, Urbana.
March 20,21 and 22.	Illinois Section, American Water Works Association, LaSalle Hotel, Chicago.
May 12-17, Inc.	Annual Conference, American Water Works Association, Atlantic City, New Jersey.
September 4-6, Inc.	Wisconsin Section, American Water Works Association, Hotel Schroeder, Wilwaukee.
September 25-27, Inc.	Michigan Section, American Water Works Association, Ieland Hotel, Detroit.
September 30-October 1.	Missouri Section, American Water Works Association, Sheraton-Jefferson Hotel, St.Louis.
October 14-18, Inc.	Annual Meeting, American Society of Civil Engineers, New York City.
October 16-18, Inc.	Iowa Section, American Water Works Association, Fort Des Moines Hotel, Des Moines.
November 11-15, Inc.	Annual Meeting, American Public Health Association, Public Auditorium, Cleveland, Ohio.



NEWS OF RECENT MEETINGS

FALL OPERATORS CONFERENCE

A record attendance, excellent program plus other outstanding features made the 25th Annual Illinois Water-Plant Operators' Conference a huge success. The 1956 version, sponsored by the Illinois Department of Public Health, was held October 2nd and 3rd at the Leland Hotel in Springfield. Total registration was 464.

Officers of the Conference; Chairman, Ted Dyer of Champaign; Vice-Chairman, Elmo Conrady of Mt. Carmel; and Secretary, Horace Frye of Evanston were all on hand to guide the program through without a hitch.

"Waterworks Safety" was again emphasized at the fall meet. This subject was presented by a panel, moderated by Charles M. Roos, Consulting Engineer of Belleville. George MacDonald, Sr., Consulting Engineer, Industrial Department National Safety Council, Chicago, presented the Electrical-Mechanical phase. He gave a brief history of safety practices and control, and built his talk around the theme "good maintenance prevents accidents." The need for properly maintained tools, ladders, ropes, chains, hoists, and air operated drills and hammers was noted. Training of employees so that they know their jobs and recognize the hazards involved was also indicated to be very important. The speaker emphasized the importance of shock hazards resulting from 110 and 220 volt circuits. This is an important part of waterworks safety because of the presence of excellent grounding conditions in a water plant afforded by pumps, motors, pipes and the general moist conditions of equipment.

James C. Vaughn, Chief Water Chemical Engineer, South District Filtration Plant, Chicago, substituted on the subject of Handling of Chemicals, for Oscar Gullans also of Chicago, who could not be present. Some of the more common hazards were noted and proper practices described. The proper handling of broken glass, volatile acids, oils, grease, solvents, compressed gases, and chemicals used in water treatment was excellently covered by Mr. Vaughn.

Safety in Operation was given by M. B. Paulsen, Safety Engineer, American Waterworks Service Company, Philadelphia, Pennsylvania. Paulsen stated that according to his statistics, 80% of the accidents, occurring could be prevented. He commented, "Carelessness is not an answer, but an excuse." Working on or around moving machinery, the absence of or improperly installed safety guards, defective guard rails and fences are all important hazards. Proper pipe storage was stressed as was proper fire protection. He concluded indicating the need of adequate caution and warning signs in the prevention of accidents.

James C. Vaughn, Chicago, discussed the subject of "Detergents." The increased use of detergents in the last ten years was noted. He explained the composition of detergents, their physical properties, and their effect on public water supplies. Some of the problems detergents create in water plants are: (1) Foaming of settling basins, (2) Taste and odors, (3) Coagulation and sedimentation difficulties, (4) Iron removal difficulties, (5) Foaming of finished water, and (6) General deterioration of finished water quality. Methods of eliminating these problems were outlined by Vaughn.

The use of polyphosphates in water treatment was described by Dr. T. E. Larson, Chief Chemistry Section, State Water Survey Division, Urbana in the second paper of the afternoon of the 2nd. The use of polyphosphates for; 1) household softening; 2) water well rehabilitation; 3) control of iron in solution; 4) scale prevention; and 5) corrosion control were discussed in detail. The limitations of polyphosphates as "cure-alls" were sighted although these compounds are effective in controlling certain conditions under specific circumstances. There is a need for further study of these compounds and their uses.

The last session of the afternoon was devoted to a panel discussion of "The Water Superintendent and Suburban Water Supplies". Benn J. Leland acted as moderator for the panel. Dwain Wallace, Consulting Engineer, Peoria, covered the subject of the formation of Water Districts and the methods of putting these bodies in operation. The use of the Sanitary District and Township laws for furnishing water service were also discussed.

The serving of water to suburban areas only when they have annexed to an existing municipality was described by Homer Chastain, Commissioner of Public Property, Decatur. This discussion centered about Decatur's problems and how they have been met.

In some suburban areas, mutual or cooperative associations of the property owners in the area have been quite successful. One of these is the York Center Community Cooperative located in DuPage County near Lombard. R. E. Miller, Chairman, of that organization described the formation and policies of this association.

Still another method of serving unincorporated areas is by means of a privately owned public utility organized for a particular subdivision area and operating under the jurisdiction of the Illinois Commerce Commission. Ernest Olsen, Consulting Engineer, Chicago, who has been instrumental in organizing a number of such utilities described one recently completed. This particular one was unique in the methods of financing used. Vilas Hicks and Mr. Cody of the Illinois Commerce Commission pointed out the position of the commission in such utility companies, their jurisdiction and requirements for obtaining a certificate of convenience and necessity.

At the annual banquet, the trophy awarded annually to the outstanding operator of the year was presented to Henry Haperkamp of Staunton.

The second day of the conference consisted of a general laboratory session and group meetings for ground and surface water plants. The surface water operators heard Leo Louis, General Manager, Gary Hobart Water Corporation, Gary, Indiana, while those utilizing ground waters attended a clinic. Those taking part as experts were Dr. Max Suter, Head Engineering Research Subdivision, State Water Survey; M. P. Schneller, Schneller Associates, Aurora; Len Crawford, Partner, Crawford, Murphy and Tilley, Consulting Engineers, Springfield; J. G. Weart, Chief Chemist, Illinois Department of Public Health; F. A. Fiesler, Manager, Edwardsville Water Department; and O. S. Hallden, Sanitary Engineer, Illinois Department of Public Health. This was designed as a question and answer session and proved to be well accepted.

At the closing business session of the Conference the following officers were elected:

Chairman - Elmo Conrady, Mt. Carmel
Vice-Chairman - Horace Frye, Evanston
Secretary - Jason Dakin, Taylorville

A special ladies program was well received.

By: G. E. Margrave, Sanitary Engineer
Illinois Department of Public Health.

THOSE WHO HAVE SERVED

Bernard W. Cullen, Superintendent of the Distribution Division of the Bureau of Water, Department of Water and Sewers, City of Chicago, died at his home on November 17, 1956. He had been a City employee for 49 years starting as a timekeeper in 1907. He was a native Chicagoan and had a law degree and membership in the Chicago Journeyman Plumbers Union. He had been Superintendent of his Division for thirty years.

A widower, he is survived by three sons and a daughter

Justus B. Eddy, Chief Engineer of the Water Distribution Division, Bureau of Water, Department of Water and Sewers, City of Chicago, died February 23rd. Mr. Eddy was a Civil Engineering Graduate of the Ohio State University. He served several years with the Northwestern Railroad and entered the employment of the City of Chicago in 1907. His first position was with the now extinct Bureau of Water. He was Engineer for the South District until he became Chief Engineer of the Division 35 years ago. At the time of his death he had completed almost 50 years of service with the City.

Mr. Eddy was famed for his quick, keen and vigorous mind, his originality in design, and a phenomenal photographic memory. A man with a warm friendly personality, Mr. Eddy will be missed by his many friends. He is survived by his widow, Nora Mathewson Eddy, two sons, two daughters and thirteen grandchildren.

ISAWWA

EVANSTON HOSTS WEST SHORE WATER PRODUCERS ASSOCIATION

The last meeting of the year was held at the Georgian Hotel in Evanston, Illinois, December 5, 1956. The ideal weather enjoyed by the members visiting Evanston suggests that Mr. Frye should officiate as our weatherman. A near record attendance of 107 members and guests represented 24 communities. New York City, Madison and Detroit were some of the communities represented by guests. New York City was represented by a former member, Elroy Spitzer, now Engineering Editor of the American City Magazine.

During the afternoon members were invited to inspect the construction site for the new 48" intake screened wells and low-lift pump station, plus the existing water plant at the Lake Front. Dinner was served in the Tip Top Room of the Georgian Hotel. After a very fine meal, the meeting was called to order by Chairman Thomas. Roll call of the cities represented was taken; minutes of the previous meeting were read; and Mr. Davoust presented a favorable Treasurer's report.

Chairman Thomas then turned the meeting over to our host, Mr. Frye. Mr. Frye introduced Evanston's Mayor Kimbark who welcomed the W.S.W.P.A. members and then gave a little history of Northwestern University and a brief history of Evanston's Water Department. As the city grew, so the problems grew and the steps for improvements at the Water Department were gradually accomplished. One of the problems was the great rate of diphtheria which was quenched with the aid of water works men and their success in serving a safe supply of water to the community.

Our second speaker was the Honorable City Manager, Mr. Bert Johnson, who emphasized the importance of looking ahead for the betterment of a community and executing such plans without delay. He stated that the most important program to consider for the City is water, the number one commodity for the people. (This kind of guy each water works man would like to get in their town.) The water works should be first in the planning program. It shouldn't be rushed into planning by present demands, but future demands.

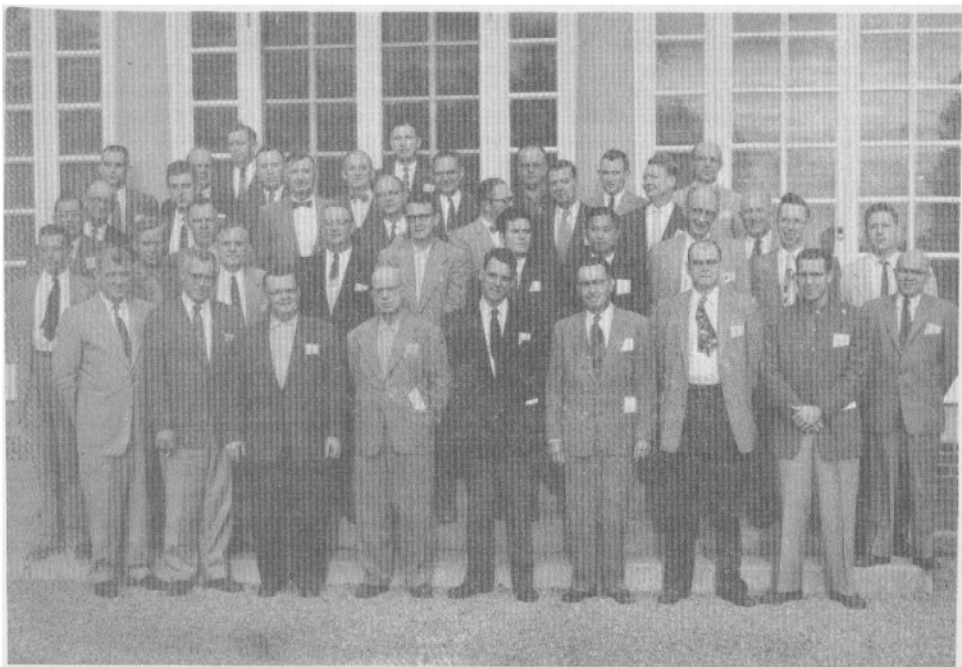
Mr. Maxwell was our last speaker and explained the present construction program at the Evanston Water Plant. Main reasons for the expansion program are due to the supplying of Skokie's fast rising population. Questions and answers on the new 48" intake were discussed.

The program was very well scheduled. The different steps of improvement and expansion of the Evanston Water Works parallels many of our Lake Shore cities' histories. First, improvements in quality were the problems of serving water. Now, quantity is the problem on hand to be carried out.

By: A. W. Skurski,
Recording Secretary
(Water Engineer, Kenosha, Wisc.)

ISAWWA

MANAGEMENT CONFERENCE AT MONTICELLO



Water Works Managers and Speakers in Attendance at Conference.

On November 14, 15 and 16, 1956, the Extension Division of the University of Illinois, in cooperation with the In-Service Training Committee of the Illinois Section, held its fifth annual Water Works Management Short Course at Robert Allerton Park, Monticello, Illinois.

Thirty-four men, engaged in water works administration, received valuable instruction in current management techniques as they apply to the industry.

Discussions in six separate areas of management held the attention of those in attendance during the three-day meeting. Of special interest to the group was the session devoted to "creative thinking and brainstorming", the newly developed technique of stimulating thinking in a positive, creative way. Group demonstrations were illuminating and revealing, indicating the great potential of this management technique. The problem of management encountered in the field of labor relations was competently explored by the leader of the discussion.

On the second day of the meeting, the development of management skills and the subject of customer relations in the water works business were topics which received full attention. A practical group demonstration in effective public speaking, starting in the afternoon, lasted well into the evening and was a very rewarding experience for all who participated.

The meeting was brought to a close with a thought-provoking discussion of morale building and the maintenance of discipline among water works personnel.

This course of instruction is unique in its approach and, in addition to promoting a real desire to solve the increasingly difficult problems of management, provides the means by which valuable associations are developed by friendly and cooperative competition. Anyone who attends this course leaves with a wealth of new ideas for improvement in his management practice and problem-solving. Those who have not as yet availed themselves of this opportunity to acquaint themselves with the latest thinking in management practices should make plans now to attend the 1957 course, the announcement of which will be made in the early fall.

By: Armon Lund,
Superintendent of Public Works,
Wilmette, Illinois.

NEWS OF THE TRIBE

Dean Harold B. Gotaas has taken over his duties at the Northwestern Technological Institute. ISAWWA and his many friends in the Illinois Section welcome him and wish him well. We are proud to have him with us.

H. H. Gerstein, Assistant Chief Water Engineer, of the Bureau of Water, Department of Water and Sewers in the City of Chicago, has returned to his home after a stay in the Presbyterian Hospital. He is progressing splendidly and will be back in his office within a few days.

Walter Pierce, the Manager of the Water Department at Racine, Wisconsin, was confined to his bed at St. Lukes Hospital in that city. His many friends in the Illinois Section wish him a speedy recovery.

The Illinois Section extends its condolences to its secretary-treasurer, Davey W. Johnson, in the recent loss of his Grandmother.

NEWS OF RECENT MEETINGS

(Cont'd.)

NINTH NORTHERN ILLINOIS WATER WORKS INSTITUTE
A GREAT SUCCESS !

Seventy-five registrants including 18 short course students are enthusiastically praising the program offered by the Ninth, Northern Illinois Water Works Institute, held on February 20 and 21, at the Northwestern Technological Institute of Northwestern University, in Evanston. This Institute is sponsored jointly by Northwestern University, The Illinois Department of Public Health, The Illinois Municipal League, and the Illinois Section of the American Water Works Association. It is under the direction of Professor Merrill B. Gamet of the Department of Civil Engineering.

The program offered was in two separate sections; the first part being devoted to a one and one-half day, short course on the identification of "Interference Organisms in Water Supplies". This course was offered by the United States Public Health Service and was conducted by Dr. C. M. Palmer and Dr. H. W. Jackson, from the U.S.P.H.S., Sanitary Engineering Center of Cincinnati. The course consisted of lectures on the nature of the interference or nuisance organisms, followed by a field trip for the collection of samples. Lectures on the identification of the organisms were followed by laboratory sessions devoted to actual identification. Thus the students were able to learn first hand the latest and best techniques for use in their own laboratories.

All students reported on the great value of information obtained, and were enthusiastic about the clarity of the lectures given by Doctors Palmer and Jackson. The Syllabus (including a key) on "Interference Organisms in Water Supplies," prepared by Dr. Palmer and his associates, and given each student, was alone worth the effort of attending the course.

One of the most interesting and important lectures in the course was given by Mr. John R. Baylis, Engineer of Water Purification for the City of Chicago. Mr. Baylis' talk was a seminar covering a seven-year period, on the effect of the Lake Michigan plankton upon the operation of the South District Filtration Plant. Mr. Baylis showed a number of slides which included tabulations of the prevailing organisms and electron microscope as well as optical photomicrographs of specific organisms. (Mr. Baylis' lecture will be published in a forthcoming issue of Pure Water and Will be available to those interested.)

The course was concluded on the afternoon of the second day with a panel discussion on "Control Measures for Interference Organisms". This panel was conducted by Professor Gamet. The panel members were: Dr. Palmer, Dr. Jackson, Mr. Baylis, and Mr. Robert M. Scott, Bacteriologist, Illinois Department of Public Health. The moderator posed the hypothetical problem of an organism interfering with a particular water supply. The individual panel members then outlined methods for its identification and control. These discussions and the panel's answers to questions from the floor were most interesting, informative and stimulating. A summary by Dr. Jackson was the finale to a course that was well planned and well conducted.

The general afternoon and evening part of the institute was nicely overlapped with the conclusion of the short course. Registrants for the general session were first welcomed by the new Dean of Engineering, Harold B. Gotaas, and then were favored by hearing the summaries of the course by Doctors Palmer and Jackson, and the panel discussion.

The first paper of the general session was by Mr. H. W. Poston of the United States Public Health Service, Chicago Regional office. Mr. Poston outlined the water needs of the U.S.A. with emphasis on the adverse effects of the pollution of existing supplies. He then described the provisions of the most recent amendments of the Federal Anti-Pollution Act, pointing out several cases of Government regulation of interstate pollution. Mr. Poston next described the functioning of the "Grants-in-Aid," portion of the Anti-Pollution Act, showing how a municipality could receive up to 30% or \$250,000, whichever is less, in Federal aid in the construction of its pollution abatement works. The Chicago office of the U.S.P.H.S. has approved over three million dollars in such aid over its seven-state area. Most of the requests are for intercepting sewers which are eligible for aid under the act.

The evening portion of the program was opened by Mr. James C. Vaughn of the South District Filtration Plant. Mr. Vaughn reviewed the problems presented by the presence of synthetic detergents in water supplies, outlining the difficulties of acquiring suitable methods for solving the problems presented. He pointed out in conclusion, the point made by Mr. Harry Kramer of the U.S.P.H.S. that the detergent problem while spectacular and important is only one facet of the more complex and extensive problem of chemical pollutants.

The next paper was on "Oil Industry Waste Treatment Methods," by Mr. George C. Brooks of the Technical Service Division, Research Section, Standard Oil Company (Indiana), at Whiting, Indiana. Mr. Brooks reviewed the latest developments in such treatment, describing the function of such devices as trickling filters, oil separators, and "oxidation ponds". This most recent development, the "oxidation pond", where space permits a pond large enough to allow a 24day retention period, produces an effluent remarkably free of petroleum wastes.

The evening was concluded by a "free-for-all" discussion on the problems of extending distribution systems. The obligation of a municipality to extend such systems to its suburbs, a fair compensation for the water supplied, the attitudes of municipal officials and consumers toward such extensions and the possibilities for an "overall" solution of such problems, received a thorough going over by such renowned ad-libbers as Chet Domke of Waukegan, Horace Frye of Evanston, Lou Birdsall of Glencoe, and Merrill Gemet of Glenview.

Judging from the numerous comments heard this was by far the best Institute program in a number of years.

ISAWWA

PURIFICATION DIVISION AWARD WINNER



John R. Baylis

Once again the Illinois Section is honored by having one of its most distinguished members receive the award for the best paper published by the members of the respective divisions of the American Water Works Association. Mr. John R. Baylis, Engineer of Water Purification for the City of Chicago, was voted the award by the Directors of the American Water Works Association, for the best paper from Water Purification Division published in the Journal of the Association during 1956.

This paper entitled, "Seven Years of High Rate Filtration" was published in the May, 1956 issue. Mr. Baylis is a life member and an honorary member of the association. He was born at Eastabuchee, Mississippi, and is a graduate of Mississippi State College. He has been a construction, consulting and designing engineer, a bacteriologist, chemist and water plant operator, and is an inventor of water plant appurtenances and processes such as the, turbidimeter, butterfly valve insert, surface wash system, and activated-silica and split-treatment processes. He is a world renowned authority on Water Treatment in the fields of taste and odor elimination, corrosion, coagulation and high rate filtration. He is a Fuller Award recipient and past chairman of the Illinois Section. He has published many papers on all phases of water treatment.

MEMBERSHIP ACTIVITIES

NEW MEMBERS, ILLINOIS SECTION

ALK, LEWIS C. Manager, Technical Service Department, James B. Clow & Sons, Inc., Box 6600-A, Chicago 80, Ill. (L.F. Rehm)

BAKER, MONTELLE E. Engineer, Commonwealth Edison Co., 645 West 58th Street, Hinsdale, Ill. (A.R. Knodel)

BLOOM, RUBIN S. Water Chemist III, South District Filtration Plant, 3300 East Cheltenham Place, Chicago 49, Ill. (R.F. Falkenthal)

BOWER, HARRY F. Director of Sales, Iowa & Eddy Valve Mfg. Cos., Box 6606-A, Chicago 80, Ill. (J.D. Foreman)

CARMAN, CHARLES R. Sales Engineer, Climax Engine & Pump Mfg. Co., 208 South LaSalle St., Chicago 4, Ill. (L.F. Rehm)

COOK, K. S. Engineer, General Manager, Warren Chemical Co., Box 105, Chicago Heights, Ill. (R. L. Stookey)

DU PAGE COUNTY HEALTH DEPARTMENT (Corporate) Mr. Orville L. Meyer, Director of Sanitation, 209 East Liberty Drive, Wheaton, Ill.

DYER, TEDDY R. Superintendent of Production, Northern Illinois Water Corp., 1011 West Church St., Urbana, Ill. (E.R. Healy)

EURE, JOHN ANTHONY (Junior) Student, University of Illinois, 7833 Escanaba Ave., Chicago 49, Ill. (J.C. Dietz)

HANSON, ROBERT J. Sales Engineer, Dresser Manufacturing Division, 122 South Michigan Ave., Chicago 3, Ill. (E.E. Alt/D.W. Johnson)

HOLMES, WILLIAM D. Assistant Manager, Kankakee Water Co., 109 North Schuyler Ave., Kankakee, Ill. (P.N. Johnson)

IVES, MARTIN A., JR. Operating Engineer, Central Park Avenue Pumping Station, 2707 North Mango Ave., Chicago 39, Ill.

KELLY, BERNARD F., JR. Water Chemist II, South District Filtration Plant, 5658 South Honore St., Chicago, Ill. (R.F. Falkenthal)

KMEICIK, SUB S. Engineer, Technical Service Department, James B. Clow & Sons, Inc. Box 6600-A, Chicago 80, Ill. (L.F. Rehm)

KRAUSE, WILLIAM G. Sales Engineer, Worthington Corp., 400 West Madison, Chicago, Ill. (L.F. Rehm)

New Members, Illinois Section (Cont'd.)

LAHEY, GERALD F. Supervising Engineer, Northern Illinois Water Corp., 122 North Walnut, Champaign, Ill. (E. R. Healy)

LYDEN, JAMES W. Sales Representative, Hersey Manufacturing Co., 915 North Main St., Naperville, Ill. (M.H. Foley)

MARGRAVE, G. E. Sanitary Engineer, Illinois Dept. of Public Health, 184 Maple Grove, West Lake Drive, Springfield, Ill. (Wm.J. Downer)

PORTER, WILLIS B. President, Mid-States Chemical Co., 734 Fairfield Road, Mount Vernon, Ill. (Clifford Fore)

ROBERTSON, REED S. Group Leader, Analytical Services, National Aluminate Corp., 6216 West 66th Place, Chicago 38, Ill. (Michael Taras)

ROSENBERG, EARL I. (Junior) Student, University of Illinois, 70 East University, Champaign, Ill. (J.C. Dietz)

RUSSELL, JOHN J. Treasurer, Kankakee Water Company, 109 North Schuyler Ave., Kankakee, Ill. (P.N. Johnson)

SCALZITTI, ALEXANDER E. (Junior) University of Illinois, 3136 North Linder Ave., Chicago 41, Ill. (J.H. Trail, Jr.)

TORRES, ROGELIO BONILLA (Junior) Graduate Student, University of Illinois, 1003 West Springfield Ave., Urbana, Ill. (J.C. Dietz)

TOWERS, JOHN R. Graduate Student, University of Illinois, 408-1/2 East Elm, Urbana, Ill. (J.C. Dietz)

ZIEVERS, JAMES F. Vice President & Director, Industrial Filter & Pump Mfg. Co., 5900 Ogden Ave., Chicago 50, Ill.

Transfers to Illinois Section:

GOTAAS, HAROLD B.

From: University of California Div. of San. Eng. Berkeley, Calif. To: Technological Institute Northwestern University Evanston, Ill.

JOHNSON, PETER N.

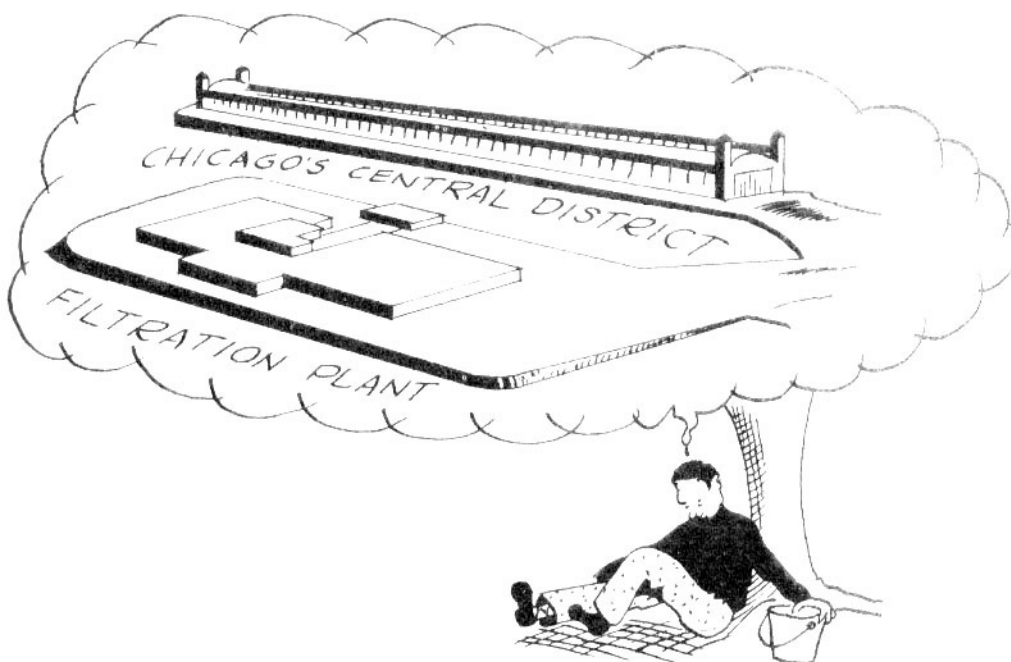
From: American Water Works Service Co. Philadelphia, Pa. To: Kankakee Water Co. Box 152 Kankakee, Ill.

SAFFORD, FRANCIS I.

From: R.L. Day & Co. 75 Pearl St., Hartford, Conn. To: Lee Higginson Corp. 231 South LaSalle St. Chicago 4, Ill.

As of January 31, 1957, the membership of the Illinois Section totaled 578, and the American Water Works Association - 11,204.

WATER WORKS IMPROVEMENTS



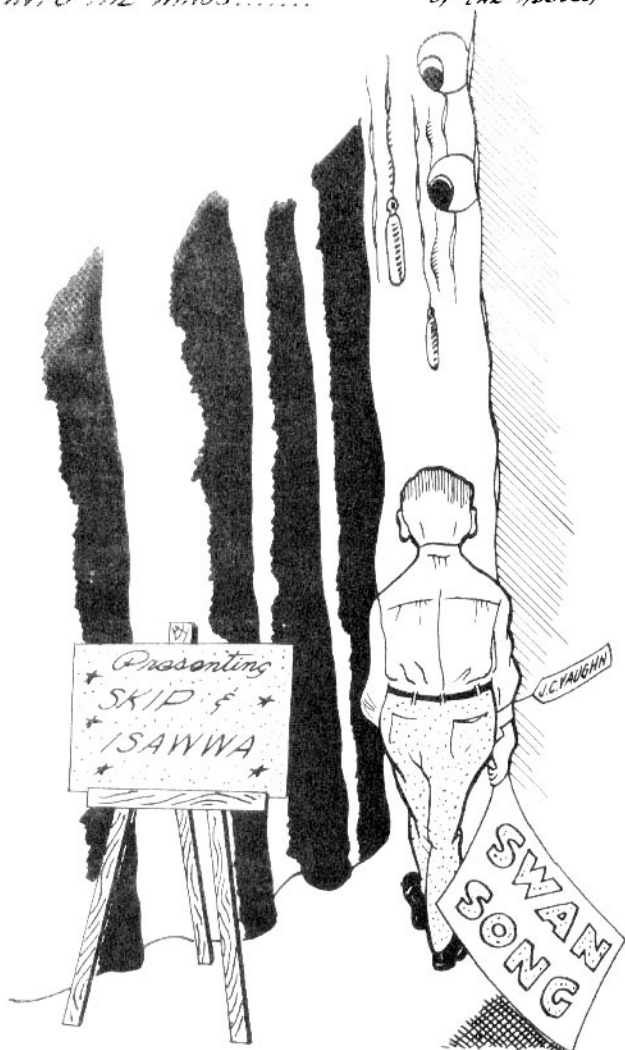
Water works improvements in Illinois are numerous and extensive. Since October 1, 1956 the Sanitary Engineering Division of the Department of Public Health has approved plans for approximately 270 water works appurtenances. These were divided as follows:

Water Supply	(wells, pumps, pump houses, dams, etc.)...	60
Treatment	(chlorinators, Phosphate Applicators, areators, filter plant appurtenances, etc.)	30
Distribution	(reservoirs, elevated tanks, hi-lift pumps, water mains, etc.)	180

Some of the installations were quite extensive as at Hillsboro and Quincy. The range was quite broad - from Tiskilwa (Pop. 962), with its "Improvement of Spring Reservoirs", to Chicago (Pop. 3,620,962), and its "Plans for the Substructures of the Central District Filtration Plant". In between were many and varied types and sizes of water installations. The BIG problem still, is to get the water to the consumer as indicated by the fact two-thirds of the approved plans were in the field of Water Distribution.

INTO THE WINGS.....

by "Doc" Arbes



ISAWWA

"SWAN SONG"

With this issue of ISAWWA, your editor bows off the stage. Three years is long enough for one point of view to be presented on the printed page. The truth is, I am "running out of soap". The best part of the whole situation is that there is a most capable successor I can recommend to you. He is Mr. J. B. "Skip" Stall, Engineer of the State Water Survey who has been for the past two years, co-chairman of the Publications Committee and your editor's principal assistant in getting out ISAWWA. He is most capable of telling the story of the Illinois Section in an interesting and effective manner.

In departing I wish to pay tribute to the other members of the Publications Committee who have greatly assisted me in producing the material for ISAWWA over the past three years. First, of course, is the Co-Chairman, "Skip" Stall who has been a great moral support as well as most helpful. Gene Margrave, Sanitary Engineer of the Illinois Department of Public Health has been very generous with his write-ups of the Operators Conferences. Horace Frye and Dewey Johnson have been most helpful both in the writing and publishing end. Chet Domke, Armon Lund and Joe Ford have also supplied considerable material. Other section members who have contributed generously are: Clarence Klassen, Bill Downer, Oscar Gullans and Tom Allen, Chairman of the Section Safety Committee.

Again I must mention with deep appreciation the help received both suggestion-wise and production-wise from the staff of the South District Filtration Plant. The typing has been done by; Miss Margaret Coyle, Mrs. Dorothy Ronkowski and Mrs. Dorothy Miller. Bill Meek has been able to supply any type and size of picture from any kind of subject material. Section members are all aware of the tremendous amount of work done for the Section by Cal Adducci. He has given most generously of his time and talent, in posters, cartoons, lettering and sketching. His suggestions are always clever and to the point.

Appreciation is also expressed to the "powers that be" in the Bureau of Water, Department of Water and Sewers, City of Chicago, for their approval of the extensive time and material that has gone into the production of ISAWWA.

I know that all members of the Section will give "Skip" Stall the same wonderful cooperation and written help that I have received.

Sincerely yours,

James C. Vaughn,
Editor-Emeritus - ISAWWA



JUST ADD WATER

The words on labels tell this tale,
In recipes, in ads by mail,
And chances are, at work or play,
You'll see these famous words today-
Just add water.

You'd be surprised how many things
Are dry and useless till one brings
The magic liquid known to all;
You use it when you heed the call-
Just add water.

To illustrate and prove this thought,
Remember all the food you've bought
On which was printed, clear and bright,
Instructions that make cooking light-
Just add water.

You now can buy, in many makes,
Dried fruits, or soups, or tasty cakes;
To powdered milk and frozen juices,
To products with a thousand uses,
Just add water.

Imagine for a mimize, please,
An arid wasteland, bare of trees;
This could be farmland, rich and good
And quite productive if we could
Just add water.

What turns cement into concrete?
What changes seed to golden wheat?
No other words now known to man
Can answer that; but these words can:
Just add water.

By: David J. Ford
Ford Meter Box Co., Wabash, Ind.
Via. P. & R., Jour. A.W.W.A., Feb., 1957.

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