

HISTORY OF THE PACIFIC NORTHWEST CHAPTERS OF  
THE AMERICAN SOCIETY OF HEATING & VENTILATING ENGINEERS  
AND  
THE AMERICAN SOCIETY OF REFRIGERATING ENGINEERS  
(ASHRAE)

Carl A. Anderson  
Charles L. Hall, Chairman  
Clarence A. Pangborn  
Erwin L. Weber

## HISTORY OF PUGET SOUND CHAPTER ASHRAE

### PREFACE

This history of the Puget Sound Chapter of American Society of Heating Refrigerating and Air Conditioning Engineers has been written by a Committee appointed by Roderick R. Kirkwood - the 1962-63 Chapter President. The Committee was made up of four former Chapter Presidents as listed below, two from each of the merged predecessor groups. Ernie Weber wrote the Ancient History, Clarence Pangborn the ASHVE History, Carl Anderson the ASRE History, and Charlie Hall the ASHRAE History. Thus each portion of the history has been presented by a participating contemporary.

It is fitting and proper that a brief resume of the trials and tribulations of a group still vigorous after 35 years of existence should be recorded by those who have been privileged to share in its growth, and that honor should be paid to those who have so richly contributed to that growth.

Carl Anderson, ASHVE & ASRE

Charles L. Hall, ASRE

Clarence A. Pangborn, ASHVE

Erwin L. Weber, ASHVE

## ANCIENT HISTORY

After designing the air conditioning system for the Sphinx and Pyramids of Egypt, your scribe in March of 1909 A.D., stumbled into a little Indian Village on Elliott Bay, spoken of as Seattle by the indigenous natives thereabouts, and promptly set about to humanize their living standards above those enjoyed by the other primitive peoples of the world.

There was a big Indian Pow Wow known as the Alaska Yukon Pacific Exposition (AYP) soon to be opened on the Campus of the University of Washington. This brought many prominent Mechanical Engineers, including E.O. Eastwood, who became Professor of Mechanical Engineering at said University, to these diggings. Most of them were members of the American Society of Mechanical Engineers, which was incorporated in 1881 and spawned the American Society of Heating and Ventilating Engineers on January 24, 1895 and the American Society of Refrigerating Engineers in 1905.

In 1921 the ASHVE had eleven Local Chapters, namely: ILLINOIS, KANSAS CITY, MASSACHUSETTS, MICHIGAN, MINNESOTA, NEW YORK, WESTERN NEW YORK, OHIO, EASTERN PENNSYLVANIA, PITTSBURGH and ST. LOUIS.

On the National Committee on Increase of Membership was E. A. Stark who, together with a local member of the ASHVE, a prominent Seattle Architect of one-pipe steam fame, William Mallis, was responsible for selling the idea of becoming members of the ASHVE to the following Puget Sounders, as listed in the Journal of the American Society of Heating and Ventilating Engineers, Vol. 27, No. 5 of July 1921, under CANDIDATES FOR MEMBERSHIP:

### MEMBERS

ALLEN, W. D., W.D. Allen & Son, 951 Stuart Bldg., Seattle, Wash.  
AYERS, A. E., Rautman Plumbing & Heating Co., 109 Jackson St.,  
Seattle, Wash.  
BLACKWELL, C. H., Dist. Mgr., Warren Webster & Co., Room E-7,  
Central Bldg., Seattle, Wash.  
EASTWOOD, E. O., Prof. Mech. Eng., University of Washington,  
Seattle, Washington  
GODFREY, F. H., Mgr., General Boilers Co., 2021 L. C. Smith Bldg.,  
Seattle, Wash.  
HILL, W. A., Est. and Draftsman, King Plbg. & Heat. Co.,  
214 Columbia St., Seattle, Wash.  
MCNEAL, WM. R., Heat. & Vent. Engr. and Supt. of Bldgs., Seattle  
Public Schools, 725 Central Bldg., Seattle, Wash.  
MOORE, JOSIAH C., Engr., Aero Alarm Co., 725 Central Bldg.,  
Seattle, Wash.  
NEVINS, J. R., Archt. and Engr., 1708-9 Hoge Bldg., Seattle, Wash.  
PHELPS, HUGH P., Heat. Contractor, 905-1/2 Third Ave., Seattle, Wash.

RUDELL, W. H., West Coast Heating Co., Inc., 1627 4th Ave.,  
 Seattle, Wash.  
 SANTMYER, W. J., Supt., Puget Sound Light and Power Co., Electric  
 Bldg., 7th Ave. and Olive St., Seattle, Wash.  
 TWIST, C. F., Contractor, Ashwell & Twist, 2127-1st Ave., Seattle,  
 Wash.  
 WEBER, ERWIN L., Consulting Engr., 723-4 Seaboard Bldg., Seattle,  
 Wash.  
 ZOBELT, C. G., Ch. Draftsman, Seattle School Dist., 502 Central  
 Bldg., Seattle, Wash.

#### ASSOCIATES

FLYNN, HARRY C., Salesman, Seattle Plumbing Co., 1205 4th Ave.,  
 Seattle, Wash.  
 NEUPERT, E. A., Asst. Mgr., Walworth Mfg. Co., 414 First Ave. S.,  
 Seattle, Wash.  
 URQUHART, F. X., Mgr., American Radiator Co., 1219 4th Ave.,  
 Seattle, Wash.

In January, 1922, WILLIAM LYLE DUDLEY, Vice Pres. and Engr.,  
 Sales Dept., Western Blower Co., Seattle, Wash. became a member.

In July, 1923, the following were candidates for membership:  
 WILLIAM H. CARSTEN, Pres. and Mgr., Majestic Furnace & Mfg. Co.  
 Inc., 600 Terry Ave. N., Seattle, Wash.  
 WILLIAM W. COX, Supt. and Engr., Bergh-Griggs Co., 936 Commerce  
 St., Tacoma, Wash.

In January, 1925, LAWRENCE R. BERG, Sales Dept., U.S. Radiator  
 Co., 1521 L.C. Smith Bldg., Seattle, Wash. became a member.

In April, 1926, HARRY K. BRASH, Dist. Mgr., The Trane Co. of  
 LaCrosse, Wis. became an associate member.

In July 1927, WILLIAM E. BEGGS, Supt. and Engineer, University  
 P.&H. Co., 3939 University Way, Seattle, Wash. became a member.

This motley group looked up to Prof. E. O. Eastwood as their  
 spokesman and General Man Friday. He maintained frequent contact  
 with the National Officers of the ASHVE and finally succeeded in  
 procuring a charter for the founding of the PACIFIC NORTHWEST  
 CHAPTER OF THE ASHVE. This became the first local chapter west  
 of the Mississippi River.

The first meeting was held on Feb. 2, 1928 and was attended  
 by W. E. Beggs, W. L. Dudley, E. O. Eastwood, C. F. Twist and Erwin  
 L. Weber. In Vol. 34, No. 3, of the Journal of the American Soci-  
 ety of Heating and Ventilating Engineers, dated March 1928, the  
 following appears on page 297, under LOCAL CHAPTER MEETINGS:

## Pacific Northwest Chapter Organized

At a meeting on Thursday evening, February 2, at the Engineers Club, Seattle, Wash., the Pacific Northwest Chapter of the American Society of Heating and Ventilating Engineers was formally launched. Officers were elected and the Constitution and By-Laws were adopted and have been submitted to the Council of the Society for approval.

It is planned to have the Annual Meeting of the Chapter in April and the following officers and board of governors will serve until that time: President, W.L. Dudley; Vice-President, E. L. Weber; Secretary, E. O. Eastwood; Treasurer, C. F. Twist; Board of Governors: E. L. Weber, C. F. Twist and W. E. Beggs.

According to the announcement of Secretary Eastwood, the next meeting of the Chapter is scheduled for March 8 and the speaker will be Dr. E. P. Hanley, Health Commissioner of Seattle.

The Council of the Society granted a Charter to the Pacific Northwest Chapter sometime ago and is glad to welcome it among the active local organizations which are located in fourteen of the principal cities of the country.

The next meeting was held on March 8, 1928 at the Washington Hotel and was attended by 18 members and guests.

Dr. E. T. Hanley, Health Commissioner of the City of Seattle, delivered an address entitled Health and Prosperity, and Prof. E. O. Eastwood gave an historical sketch of the Society and delivered the Charter to the Chapter.

After this, regular monthly meetings were held and the Pacific Northwest Chapter grew in membership and importance. W. E. Beggs was our program chairman and for several years he arranged for many very excellent programs.

Invariably post-meeting meetings were held in the office of your scribe, who, like every other citizen, was existing under the 18th Amendment, but usually had some California olives (at least that is what the label on the barrel proclaimed) to serve them and on many occasions had Kosher wine, or its Catholic counterpart, both issued for sacramental purposes ONLY, which meant your scribe had to change religions so often that he finally made ham on Fridays a standard item of diet.

This brings the Ancient History of the Pacific Northwest Chapter of the American Society of Heating and Ventilating Engineers to a close and your scribe lays down his quill, while thinking reverently of the Founder of this Chapter - our beloved Prof. E. O. Eastwood.

P. S. The 21st Amendment did not become a part of the Constitution of the United States of America until December 5, 1933.

## ASHVE HISTORY

The Pacific Northwest Chapter of ASHVE in Seattle was chartered by the National Society in 1928. The first president was Lyle Dudley, now deceased. Mr. Dudley was particularly active in the ventilation problems of the area.

The second president in 1929 was Erwin Weber. Mr. Weber is still active in the local chapter affairs. He has been particularly active in the ventilation problems of the area.

The third president, in 1930, was Prof. E. O. Eastwood, now deceased, who was active both in the local chapter affairs and in the activities of the National Society. The Professor was called upon through the years for his welcome humor and serious guidance.

The next three presidents, William E. Beggs in 1931, Charles Twist in 1932 and Michael O'Connell in 1933, are deceased. They represented the mechanical contractor's interest in the affairs of the Society, and they were active for many years.

Jim Pollard was president in 1934 and represented the industrial interest in the local society.

Linc Bouillon was president in 1935 and is still active as a consulting engineer in this area. He also has done much for the society in Region 10 and nationally.

The 1936 president was Sterling Peterson, now deceased, who was a most faithful and active member throughout his career.

W. W. Cox was president in 1937, but has not been active for a number of years.

Clarence May was president in 1938. He has retired to California and the sunshine.

Ray Wesley was president in 1939 and has also moved to the smog of our southern coast state.

During 1939 the Portland Chapter of ASHVE, Portland, Oregon, was chartered and many members of Pacific Northwest Chapter were present at the christening.

Merlin Hauan, president in 1940, now deceased, was a faithful member of the society.

Foster Pratt, Herb Griffith, Bob Morse and Merrill Musgrave, presidents in 1941, 1942, 1943 and 1944, while retired, semi-retired, or just plain tired, are occasionally at old timer meetings in the spring.

In 1942, Dr. E. O. Eastwood, the founder of this Chapter, was the national president of the American Society of Heating and Ventilating Engineers.

The 1945 president was DeWitt C. Griffin and the 1946 president was Ray LeRiche; both are active in their businesses and in occasional attendance at local chapter meetings.

Ned Langdon, 1947 president, is retired and spends most of his year in California.

L. L. Bison, 1948 president, is deceased.

1949 president, Jim Sparks  
1950 president, C. A. Pangborn  
1951 president, Richard Stern  
1952 president, Burt Pride  
1953 president, Ted Orebaugh  
1954 president, Tom Caskey  
1955 president, Pat Winsor  
1956 president, Lloyd Christofferson  
1957 president, Ed Triol

All of the above are still active in Chapter affairs.

The Inland Empire Chapter, ASHVE, Spokane was chartered in 1950, with a contingent from Seattle in attendance for the occasion.

The local chapter of ASHVE changed its name to Puget Sound Chapter of ASHVE in 1956.

The consolidation with Pacific Northwest Chapter of ASRE in 1958 changed the name of the combined chapters to Puget Sound Chapter ASHRAE.

Life memberships were granted during this period to the following members: William Mallis, E. O. Eastwood, W. W. Cox, William Beggs and Erwin L. Weber.

## ASRE HISTORY

The desire to have a chapter of the American Society of Refrigerating Engineers in Seattle was fulfilled with the granting of a charter to this group in January of 1944. This followed the meeting of a number of men interested in the refrigeration field who formed a committee which met with the then National President, Mr. A. B. Stickney.

An evening meeting followed, in which the entire group of about 35 men filled in applications for membership, which were presented to Mr. Stickney, following a talk by him outlining the aim of the Society.

Our petition for charter was brought before the executive board prior to the annual meeting, and we were notified to receive our charter in January of 1944.

Membership at that time was composed of those in Washington, Oregon and Western Canada.

The Chapter had a unique position, that at the National Meeting, at which time we were presented the Charter, we likewise had a part of the main technical program.

Mr. Leopold, who was our National President, asked me (Carl Anderson) to read a paper for one of the scheduled speakers who had been unable to attend the National Meeting.

Not wanting to appear more anxious than Adlai Stevenson receiving the Democratic Presidential Nomination, I, too, unselfishly accepted.

Mr. Leopold was to announce the subject of the paper, acknowledge the author, then was to state that it was to be read by me.

This he did during the normal confusion preceding papers, and after introduction, I proceeded to read the article on the subject of "The Problems of Heavy Water" by, I believe, A Dr. Jordan.

Up to this time, 1944, I thought that "heavy water" was an expression used by bartenders.

Through 20 minutes of competition with microphone adjustments and periodic flashlight exposures, I completed the reading, whereupon I turned to the head table, and, to my surprise, Mr. Leopold had left his seat.

Before I knew just what to do, questions came resounding through the room, and like a ringing of a telephone, I was attempting to answer the most easy ones. I soon began to realize that this paper had been controversial. In confusion, I explained that



I had read someone else's paper, and I felt as though I should not comment on any questions in that my answers might not reflect the opinion of the original author. This was no understatement.

However, for the balance of the meeting, it was easier to accept the salutations of Dr. Jordan than it was to explain that I was not that person.

Mr. F. W. Knowles was prominent in the organizing of this group, and the presentation of the charter, the Pacific Northwest Chapter of the American Society of Refrigerating Engineers was formally organized, and Mr. Knowles was elected the first chapter chairman.

At the organization meeting, we learned that Mr. A. E. Edwards, long associated in the refrigerating business in the Pacific Northwest and who was affiliated with this chapter, had been a National member since 1912 (50 years).

The Chapter held monthly meetings, with the exception of the summer months. For programs at these meetings, speakers were obtained from representatives of equipment manufacturers and local Chapter members. Programs were difficult to arrange, and during the first year whenever speakers would fail to appear, I was called upon to present the Charter. I recall that three presentations were made during that time.

The Seattle Engineers Club was the home of the Pacific Northwest Chapter for a number of years, and our meetings were strictly educational, that is, we came for supper and the program. Later, we learned that our competition in the Heating and Ventilating field, were bribing some of our members with Cocktail Hours, and thus it was necessary for us to meet competition. For years one joint session a year was enjoyed with the ASHVE, each year alternating as host.

Early in the organization, we formed a Student Committee, and established a fund whereby we would invite some students in the refrigeration courses from the local universities to attend programs, which may have been of educational value to them. The fund was raised by the various firms and by some individuals. This activity was continued up until the time of the merger of this group.

In May of 1952, a Chapter was formed in Vancouver, B. C., so that members from that area transferred their membership to their local organization.

In 1957, a Chapter was organized in Portland, Oregon, and there were some that transferred their membership to that organization.

However, by that time, our organization was on a sound footing, and we soon regained in new members those that had transferred.

The list of the chairmen of the section is as follows:

1943-44	F. Knowles
1944-45	F. Knowles
1945-46	C. Anderson
1946-47	N. Nickerson
1947-48	D. Stern ✓
1948-49	J. Wilderman ✓
1949-50	C. Hall
1950-51	W. C. Stone
1951-52	V. Kaufman
1952-53	B. Robinson
1953-54	M. Emanuels
1954-55	H. M. Hendrickson (deceased)
1955-56	F. Sainsbury
1956-57	S. Bushnell
1957-58	D. Kennedy ✓
1958-59	C. C. Yates

In reviewing events which occurred during the terms of the various officers, a number of items are worthy of mention.

Mr. Richard Stern was the Chapter Chairman in 1947 to 1948, and in 1951 was the chairman of the American Society of Heating and Ventilating Engineers.

In the 1952-53 term, which was headed by Mr. Bert Robinson as chairman, the local chapter sponsored a National meeting, which was accomplished with great success, and due credit to the chairman.

One of the outstanding members of the Pacific Northwest Chapter was Mr. W. E. Stone, who had been in the refrigerating business for many years. Mr. Stone passed away in 1957, and as a tribute to his memory, the W. E. Stone Memorial Fund was established. This fund in turn took over the duties which were formerly of the Student Fund.

In 1954-55, Harold M. Hendrickson was the local Chapter Chairman. He gained prominence in the National, as well as the local field, in refrigeration and air conditioning. He was a Professor of Engineering at the University of Washington, where he raised the status of classroom work on refrigeration and air conditioning to a very high degree. Practical application of his knowledge was considered in many local refrigeration and air conditioning projects.

During his work at the University of Washington, he prepared many papers for the ASRE Journal. He contributed several chapters to the Data Book, and edited a portion of that book prior to his passing. He was awarded the status of Fellow in the ASRE National organization. He had been appointed to several national committees in refrigeration and air conditioning problems. His most recent work included his work of de-salting sea water, which was a Federal Project. He was Chairman of the combined chapters in 1959 to 1960. Professor Hendrickson passed away in 1960.

During 1955 and 1956, our Chairman was Forrest Sainsbury, one of our most loyal supporters. His home was in Wenatchee at the time, and I do not recall that he missed a single session.

On one particular session, he appeared slightly confused. It was later learned that his car had been caught in a slide up on Stevens Pass, had been pushed off the road, turned over several times, and landed at the bottom of a ravine. He left the car, climbed back to the road and hitch-hiked to keep his speaking date.

His work with the Department of Agriculture sent him to Europe on at least two occasions.

In 1958-59, C. C. Yates was the local Chairman. This was the last full year of independent operation.

In the National and sectional division we were ably represented by directors, both regional and/or the council. They were as follows:

Director:     Howard H. Peterson  
                 W. E. Stone - Council  
                 C. L. Hall - Council

Most of the members of the original ASRE have taken their membership with the combined group.

As members of the ASRE, we have representation in the Mayor's Advisory Refrigeration Committee. This representation is now being transferred to that of the combined chapters.

PUGET SOUND CHAPTER  
ASHRAE

The two predecessor Societies, ASHVE and ASRE, voted by overwhelming majority of each group to merge and this merger became officially and legally effective at 9:30 a.m. on Thursday, January 29, 1959.

Upon merger, the National Officers of the two Societies embarked on a planned program of integration which allowed approximately six month's tenure of office for Presidents Boling, Hess, Wile, Grant and Tull. Everetts was the first president to fill a full one-year term, starting with the Annual Meeting in June of 1961.

The Puget Sound Chapter of ASHVE and Pacific Northwest Section of ASRE promptly eliminated separate meetings and merged the Board of Governors and Officers. The President of ASHVE - Merrill McKinstry - and Chairman of ASRE - Olin Yates - presided alternately at the monthly chapter meetings for the Spring of 1959 and Harold Hendrickson became the first president to serve for a full chapter year - 1959-1960.

The list of Chapter Presidents of Puget Sound Chapter ASHRAE to date is as follows:

1962-1963	Rod Kirkwood
1961-1962	Keith Massart
1960-1961	Milan Overbye
1959-1960	Harold Hendrickson (deceased)
Spring 1959-	(Merrill McKinstry)
Alternated-	(Olin C. Yates)

Prior to the merger, the practice of holding Regional Meetings had been well established on the Pacific Coast along very similar lines by both ASRE and ASHVE. After the merger, ASRE had a Pacific Coast Regional Meeting in Los Angeles in March, 1959 and ASHVE held a Chapter Regional Meeting in San Francisco in May, 1959.

Chapters Regional Meetings are rotated to various Chapters by invitation and by their combination of technical, official and social functions are a most valuable and inspirational help to the Chapter Officers and to Members of the Host Chapters. It should also be noted that the annual visit to each Chapter in his Region by the Regional Chairman or Director not only assists the Board of Governors but is an excellent method of keeping chapter members informed on National affairs.

Following the Chapters' Regional Meetings at Fresno, California in 1960 and Phoenix, Arizona in 1961, Puget Sound Chapter became host to Region 10 Chapter's Regional Meeting in May, 1962, a date chosen to coincide with Century-21 in Seattle. The various chapters' committees did an outstanding job in arranging the meeting events.

The National President, Vice-Presidents and Treasurer attended this meeting and were outspoken in their praise and appreciation.

This Chapter history has been compiled with the hope that it may be preserved and supplemented by future generations.