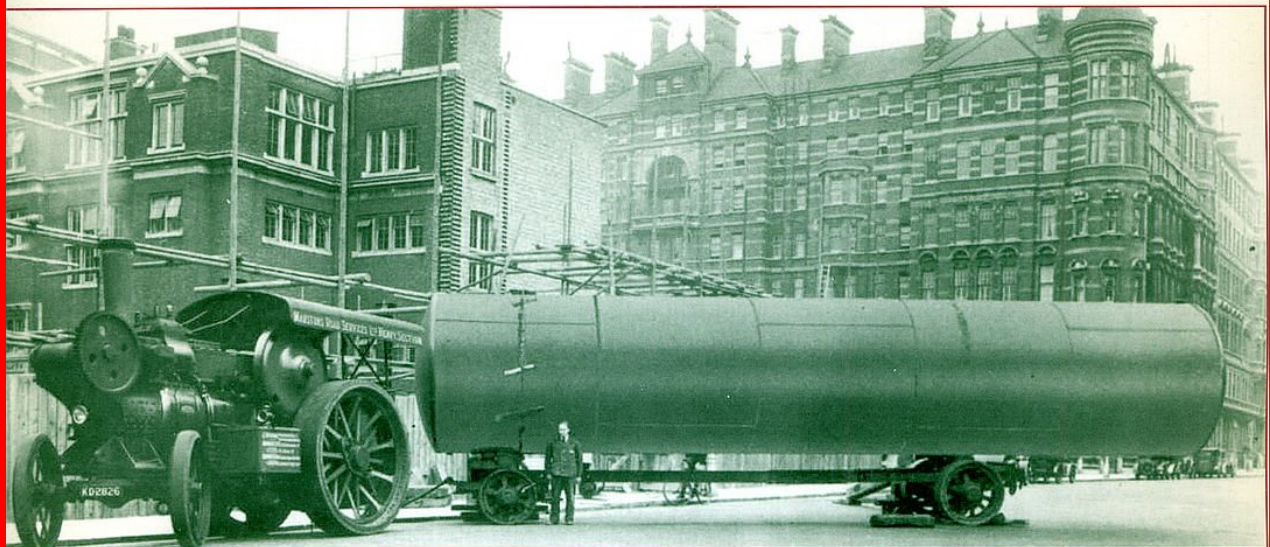


The COMFORT ORGANIZATIONS

Pages 111-126

HVCA@100

Brian Roberts



1930 Imperial College of Science, London (Delivery of a large hot water calorifier by Sulzer Bros)

*Celebrating the Centenary of the
Heating and Ventilating Contractors' Association
1904-2004*

The COMFORT ORGANIZATIONS

If I have seen further than other men, it is because I stood on the shoulders of giants.

Sir Isaac Newton, in a letter to Robert Hooke, 1676.
Quoted (with a variation on the words) by Billy R. Manning in his President's Report, "Building on the Shoulders of Giants," ASHRAE Annual (Centennial) Report, 1995, p. 2.



David Mein NESBIT [268]

To the Institute of
Heating and Ventilating Engineers

Whereas:

The American Society of
Heating and Ventilating Engineers
is assembled in its 35th Semi-Annual Meeting, and

Whereas:

For the first time in its history the Society is meeting
outside the limits of the United States, and

Whereas:

This most successful and delightful event is being
held under the auspices of the Ontario Chapter and with-
in the confines of the British Empire; therefore, be it

Resolved:

That the greetings of this Society be extended to the
members of the

Institution of Heating and Ventilating
Engineers of Great Britain;

and be it further

Resolved:

That as an additional mark of our esteem these
Greetings be personally conveyed and delivered to
the President of the British Institution of Heating and
Ventilating Engineers by the President of this Society
Mr. Thornton Lewis.

June 26, 1929

President

Secretary



33. Greeting from ASHVE to the Institute (sic) of Heating and Ventilating Engineers.
From the 35th Semi-Annual Meeting held in Ontario, Canada, signed by ASHVE President
Thornton Lewis, 26 June 1929. Proclaiming the Truth, ASHRAE, 1994, p. 82.



34. Council of the Institution of Heating and Ventilating Engineers, 1910.

(left to right, from top row) John S. PALMER [244] Robert E. ATKINSON*
 Walter JONES [240] Chas MASON Walter YATES [74]
 Thos POTTERTON [41] E.W. MAYNER [238] Louis F. PEARSON [243]
 W.R. MACGUIRE [241] C. Ingham HADEN [269] S. NAYLOR [49]
 John GRUNDY [239] C.T.O. TROTMAN George CRISPIN [245] E. TAYLOR
 W. Nelson HADEN [246] J. Nelson RUSSELL [242] J.N. GREENHALL
 A.B. SIMPSON [247] A.B. TAYLOR J.L. SAUNDERS

This composite picture includes nine of the first ten IHVE Presidents, plus two later Presidents. The exception is David Nesbit [268] whose portrait is on the title page.*

Communications as a Means to Survival, K.W. Dale, IHVE Presidential Address, IHVE Journal, May 1974, p. 28.

*(*Nesbit and Atkinson were the first and second U.K. engineers, respectively, to join the ASHVE.)*

The INSTITUTION of HEATING and VENTILATING ENGINEERS

Founded in London in 1897. Granted a Royal Charter in 1976. Later merged with the Illuminating Engineering Society (IES), founded in 1909. Subsequently became the Chartered Institution of Building Services Engineers (CIBSE).

Note: Portraits of all, except [268] Nesbit, are included in the IHVE composite picture.

[238] Edmund William MAYNER

1862-1944

Mayner is regarded as "The Father of the IHVE." It was J. Kemsley, Secretary of the Institute of Sanitary Engineers (of which body Mayner was a Member of Council) who put forward a proposal to foster the heating and ventilating trades (1896). Mayner was largely responsible for setting up the IHVE. He was probably the first member and the first practicing engineer to join. He never occupied the Presidential Chair, preferring to hold the post of Chairman of an Executive Committee. It is almost certain that he recruited Walter Jones, David Nesbit, William Maguire, Louis Pearson, and George Crispin, all of whom came to be Chair after John Grundy, the first President. At the time, he was a member of the firm of Townsend, Tamplin & Makooski Ltd. of London and Redhill. Later, he was Works Manager with William Dibben & Sons Ltd. of Southampton and subsequently carried on business in Christchurch, Hants. His considerable efforts in the setting up of the Institution appear never to have been formally recognized during his lifetime.

Obituary, IHVE Journal, Sept.-Oct. 1944, p. 28.

[239] John GRUNDY

died 1913

First President of IHVE (1898). Heating and ventilating engineer and manufacturer, London. His company was awarded numerous Exhibition Medals for their boilers and stoves.

[240] Walter JONES

died 1924

Second President of IHVE (1899). Jones & Attwood, Heating Specialists and Consulting Engineers of Stourbridge. Author of classic textbook *Heating by Hot Water* (1890). Twice awarded the IHVE Silver Medal (1903 and 1908). Jones was a pioneer in determining the causes of boiler explosions.

[268] David Mein NESBIT

1855-1929

Third President of IHVE (1900). *See under HVCA.*

[241] William Robert MAGUIRE

c. 1840-1923

Fourth President of IHVE (1901). Maguire & Gatchell of Dublin. An internationalist, he was an early member of ASHVE. His Presidential Address was *Heating in France and Italy.*

[242] **J. Nelson RUSSELL** **died 1948**

Fifth President of IHVE (1902). Rosser & Russell Ltd., London. Awarded IHVE Silver Medal (1904). An early member of ASHVE. Granted patent for a fan convector (BP 131,107: 1906).

[243] **Sir Louis F. PEARSON, CBE** **1864-1943**

Sixth President of IHVE (1903). Chairman of the Beeston Boiler Co., Ltd., of Nottingham. A scientist and philanthropist, Pearson was knighted (1923) for his social, industrial, and public services.

[244] **John S. PALMER** **died 1909**

Seventh President of IHVE (1904). Syphons, heating contractors of Liverpool. Was not a professional engineer but a very active member of Council during the formative years and an expert on the steam fitting trade.

[245] **George CRISPIN** **1868-1950**

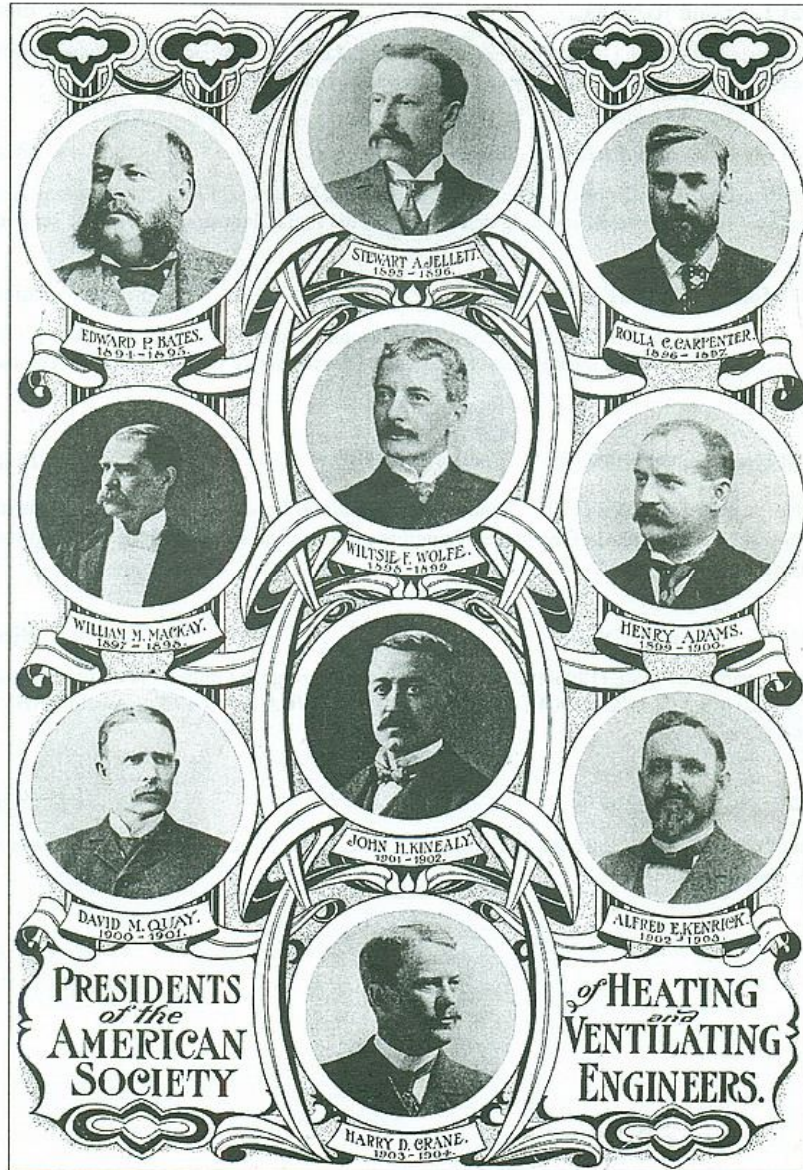
Eighth President of IHVE (1905). James Crispin, Heating, Ventilating and Domestic Engineers of Bristol. A strong advocate of the value of summer meetings and social activities and a gifted singer and entertainer.

[246] **W. Nelson HADEN** **died 1946**

Ninth President of IHVE (1906-1907). G.N. Haden, Trowbridge & London. IHVE paper *Royal Commission on Coal Supplies* (1904). Eighth President of HVCA (1919-1920). Awarded IHVE Gold Medal (1942).

[247] **A.B. SIMPSON** **died 1948**

Tenth President of IHVE (1908). J. Simpson & Co., London. His Presidential Address was *Patents, New Developments*.



35. Portraits of the first ten Presidents of ASHVE.
Proclaiming the Truth, ASHRAE, 1994, p. 4.

The AMERICAN SOCIETY of HEATING and VENTILATING ENGINEERS

Founded as ASHVE in New York in 1894. Merged with ASRE in 1959 to become the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE). Many of its founding members belonged to the Master Steam and Hot Water Fitters Association.

Note: Portraits of the first ten ASHVE Presidents are given in the composite picture.



[248] Hugh J. BARRON

1856-1918

Irish-born, New York contractor. Angered by the reception accorded Nesbit [268] and others when they presented technical papers (1894) to the Master Steam and Hot Water Fitters Association in New York, he wrote, "there was one thing conclusively shown by this convention, and that was that engineers are in a decided minority; the majority are more anxious about getting work and money than about the mere art of heating." He was so incensed that with Hart [249] and Mackay [254], he decided to form a new organization dedicated to the engineering aspects of heating and ventilating. Thus, ASHVE came to be formed (1894), and Barron is generally credited with being the founder.

99. Donaldson and Nagengast, pp. 161-165. Portrait from Heating and Ventilation, July 1898, p. 5.



[249] Louis H. HART

1859-1897

American business manager. Worked for the trade magazines *Electrical World* and *Heating & Ventilation* in New York. Barron [248] discussed with him his concerns (1894) on the non-engineering approach of the Master Steam and Hot Water Fitters Association. Between them, the idea of forming a new heating and ventilating engineering organization was born. With Mackay [254], a first meeting of what was to become the ASHVE was organized. Hart became secretary of the newly formed Society and was apparently responsible for writing its constitution. He died unexpectedly at the age of 38.

99. Donaldson and Nagengast, pp. 161-166. Portrait from Heating and Ventilation, February 1897, p. 31.

[255] Wiltsie F. WOLFE **1854-1913**

Fifth President of ASHVE (1898). From Philadelphia, Penn. He was second Vice-President in the Society's inaugural year and organized the Society's first international display at the Paris Exposition (1900).

[256] Henry ADAMS **1858-1929**

Sixth President of ASHVE (1899). From Baltimore, Md. He advocated the establishment of standards: "I believe that the adoption of rules and regulations governing tests of heating and ventilating apparatus, and the fixing of standards will advance the interests of our Society materially."

[257] David M. QUAY **died 1937**

Seventh President of ASHVE (1900). From New York, N.Y. He led a drive "to secure new members of the right kind; namely, those heating and ventilating engineers who are willing to contribute some of their knowledge of engineering facts, or their opinions on engineering theories, to our transactions...."

[258] John H. KINEALY **1864-1928**

Eighth President of ASHVE (1901). Professor at Washington University, St. Louis, Mo. He believed in the "collecting of individual knowledge and putting it on record for use of all." He wrote *Formulas & Tables for Heating*, a translation of Recknagel and Rietschel [99].

[259] Alfred E. KENRICK **died 1917**

Ninth President of ASHVE (1902). Kenrick Bros., plumbing, ventilating, and heating engineers and contractors of Brookline, Mass. Reported at the AGM that the Society "has leaped into vigorous manhood," having attained a membership of over 175 heating and ventilating engineers.

[260] Harrie D. CRANE **1854-1922**

Tenth President of ASHVE (1903). From Cincinnati, Ohio. He fostered the enlargement of the Society, "because it enrolls in its membership almost all of the brightest minds in the world working on this line."

The AMERICAN SOCIETY of REFRIGERATING ENGINEERS

Founded in 1904 in New York. In 1959, merged with the American Society of Heating and Air-Conditioning Engineers (ASHAE), formerly ASHVE, to become the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE).



Portrait from *Cold Storage and Ice Trade Journal*, December 1905, p. 32.

[261] William H. ROSS

active 1904

At the beginning of the 20th century, most American refrigerating engineers belonged to the American Society of Mechanical Engineers (ASME), or to trade associations such as the Southern Ice Exchange, or to the recently formed (1903) Ice Machine Builders' Association. Ross, employed by the *Cold Storage and Ice Trade Journal*, decided to try and form an association for refrigerating engineers. When ASRE was officially organized (December 1904), Ross was appointed Secretary of the new Society (serving in that capacity until 1927). The magazine, *Refrigerating Engineering*, was later to record, "All charter members give credit to Mr. Ross as the prime mover who conceived of ASRE and pushed its organization."



[262] John E. STARR

1861-1931

First President of ASRE (1905). First New York consulting engineer specializing in the industrial application of refrigeration, principally cold storage plants and ice plants. In his often quoted Presidential Address, he began by saying, "To define our field in a word, I may say that we claim as our own all that relates to the production of temperatures, below the ordinary, for useful purposes." Starr also gave a long list of some of the demands made on the refrigeration industry:

"Bacchus and Gambrinus rely on us to keep them on their throne.
Metallurgy, the dean of arts has called to us....
The Oil King demands our best efforts....
My Lady Nicotine is wooing us....
Photography demands great deeds of us.
Our good brothers, the civil engineers, are calling on us....
Therapy has made valuable use of our efforts.
Sweltering humidity asks us to render more pleasant its places of meeting...."

21, and 25, Woolrich. Portrait from *Ice and Refrigeration*, January 1905, p. 39.



[263] W. Everett PARSONS

c. 1860-1940

Second President of ASRE (1906). From New York. Believed that ASRE should be truly international and welcomed overseas members.

Portrait from 94, p. 173.



[264] David S. JACOBUS

1862-1955

Third President of ASRE (1907). From New York. He believed that, "In none of the sciences is there a greater need of a thorough understanding of the theories and of the underlying principles than in refrigerating engineering."

Portrait from 94, p. 173.



[265] Edgar PENNEY

1845-1913

Fourth President of ASRE (1908). From Newburgh, N.Y. He believed, "A refrigerating engineer should be competent in all the branches of his art." During his Presidency, ASRE was represented in the American delegation that attended the First International Congress of the Refrigerating Industries in Paris.

Portrait from 94, p. 174.



[266] Louis BLOCK

1850-1926

Fifth President of ASRE (1909). Working in New York, he described himself as a consulting mechanical engineer specializing "in plants producing odorless distilled water ice in which the combined fuel and harvesting cost is lower than in any other plant."

Portrait from 94, p. 174.



[267] Thomas SHIPLEY

1861-1930

Eighth President of ASRE (1912). Worked in York, Penn. He was instrumental in starting the work on establishing standards in the refrigeration industry. Starting in 1903, the Ice Machine Builders Association set standards for dimensions of ice-cans and worked on defining a standard ton (capacity) of refrigeration. When ASRE was founded (1904), it took over the work of producing technical standards, though it was to be many years (1920) before the definition of a standard ton of refrigeration was agreed upon. The goal set by Shipley in his Presidential Address was that the leading companies in the industry "each could produce a plant that would perform as guaranteed."

Portrait from 94, p. 175.

For an insight into the history of some of the early American refrigerating machine manufacturers, refer to "What the Refrigerating Machine Companies Have Contributed," Refrigerating Engineering, December, 1934. This article includes information on York Ice Machinery Corp., Frick Co., The Carbondale Machine Co., Henry Vogt Machine Co., The Vilter Manufacturing Co., Carrier Engineering Corp., and General Electric Co.

The HEATING and VENTILATING CONTRACTORS' ASSOCIATION

Founded in London in 1904.



[268] David Mein NESBIT

1855-1929

First President of HVCA (1904-1909). Ashwell & Nesbit, Leicester and London. Third President of IHVE (1900). Nesbit addressed the Master Steam and Hot Water Fitters' National Association in New York (1894), but the discourtesy shown at his reading of his technical paper so incensed Hugh Barron [248] that, with others, he founded ASHVE. Nesbit was one of ASHVE's first international members and can thus claim the unique distinction of having been involved in the founding of three great "comfort" organizations.

Photo portrait from 83, following p. 60.

[269] C. Ingham HADEN

died 1947

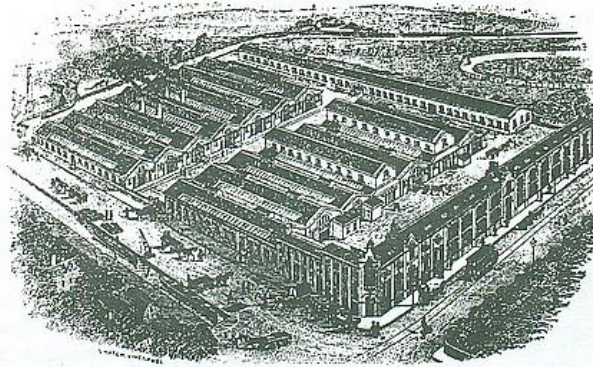
Third President of HVCA (1911-1912). G.N. Haden, Trowbridge. Author of two papers for the IHVE (1903 and 1905) on the "circulator" system of Capt. Reck [45]. President of IHVE (1910) and his Presidential Address was *Ventilation of Schools*.

Portrait in IHVE composite picture, p. 109.

[270] Charles R. Honiball

1864-1932

Fifth President of HVCA (1914-1915). C.R. Honiball, Liverpool. President of IHVE (1912). Awarded Bronze Medal (1907) for his paper, *The Warming of Steamships*. Awarded Silver Medal (1911) for two papers on *Humidity of Air*. Author of classic paper *The Mechanical Ventilation and Warming of St. George's Hall, Liverpool* (executed by D.B. Reid [58] in 1854).



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36. Advertisement: Heating Specialists and Consulting Engineers.

Jones & Attwood, Stourbridge. Mr. Walter Jones (second IHVE President, 1899)

was a pioneer investigator into the causes of boiler explosions.

Heating by Hot Water, Walter Jones, 1904, p. xxxii.



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37. Advertisement: The Chimney Sweep, France.
Chaud-Froid-Plomberie, No. 316, Sept. 1972, p. 200.