

Hall of Innovators

HALL OF INNOVATORS

Industrial Heating celebrates its 80th Anniversary with a dedication to the following innovators, who have made significant contributions to the thermal-processing industry. They leave a legacy through their experience, enthusiasm and unwavering commitment.



Wally Bamford P. Eng, FASM
Submitted by Can-Eng Furnaces

Wally Bamford founded Can-Eng Furnaces in 1964. Through his leadership, he brought successful and innovative thermal processing equipment to the many industries Can-Eng serves, including Fluidized Bed Furnaces, High-efficiency Continuous Porcelain Enameling Furnace Systems, Continuous Mesh Belt Furnace Systems and Basketless Aluminum Heat Treating Systems. Wally Bamford was a Board Member and the first International President of the Metal Treating Institute and a founding Board Member of the ASM Heat Treating Society.



Jack Beavers
1931-1983

Submitted by BeaverMatic, Inc.

Innovator and entrepreneur, Jack Beavers is most recognized for his design of the exterior transfer system that is easily accessible for maintenance and provides precision transferring of loads with a pull-push RAM mechanism. Utilizing his knowledge and experience

as a maintenance man, Beavers was given the opportunity to design and build the transfer system he envisioned. This exterior transfer system consists of rams, hooks and tails, which have been closely associated with Beavers and his successful BeaverMatic internal-quench furnace design.



Harold Ipsen
1916-1965

Submitted by Ipsen Inc.

In 1948, the Ipsen's owned a pottery business. When their kiln furnace failed, Harold Ipsen decided to build his own, incorporating his experiences as a heat treater. From this start, Harold founded Ipsen Industries to provide atmosphere and vacuum equipment with features

and performance that have defined our industry. Harold Ipsen held more than 30 patents, and the tradition of innovation he started more than 60 years ago continues today.

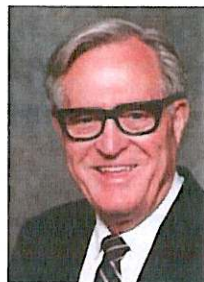


William R. Jones

Submitted by the Solar Group of Companies

William R. Jones has over 45 years of experience in the fields of vacuum furnace design and vacuum processing. He has written many technical publications on vacuum technology and holds 15 patents on various aspects of furnace designs. He served as president of Abar Corp. in the early 1970s, and in 1978 he founded

Vacuum Furnace Systems (VFS). In 1982, he founded Solar Atmospheres, which has grown to be the largest privately owned commercial heat-treating group in the U.S. In 2002, he added Solar Manufacturing to the group to provide advanced vacuum furnace designs and equipment for the heat-treating industry.



William R. Keough
Submitted by AFC-Holcroft

William R. Keough started Atmosphere Furnace Company (now AFC-Holcroft) in 1962 along with CAPCO, a commercial heat-treating shop specializing in the austempering process. The two businesses expanded and evolved, becoming AFC-Holcroft, Aus-

temper Inc., Atmosphere Heat Treat and the Applied Process Group. Keough obtained numerous patents during his long professional career. He was honored as an "Industry Legend" by the Metal Treating Institute and received the Shoemaker Award from ASM's Detroit Chapter.



Stan Matys
1929-2011

Submitted by I Squared R Element Co.

Stan Matys, an MIT graduate with a degree in engineering, was a genius, an innovator, an entrepreneur and the co-founder of I Squared R Element Co. Matys invented the SiC hot surface igniter and the SiC spiral

element process that is used to produce the best heating element in the world. He developed the process in 1961, and it is still used today in manufacturing industries in the U.S., China, Japan and Scotland.



Charles (Chuck) Taylor McClelland
1924-2005

Submitted by Industrial Heating

Chuck McClelland was past owner, editor and publisher of *Industrial Heating*. After serving in World War II, he earned a journalism degree from Penn State University. McClelland worked for Loftus Engineering and Research Cottrell prior to taking over as editor and publisher of *Industrial Heating* in 1972. He focused on establishing relationships with heat treaters and equipment manufacturers and strived to provide readers with the most up-to-date information. Perhaps his greatest accomplishment was making the magazine a truly international publication by traveling extensively to trade shows around the world and translating *Industrial Heating* into Chinese. Known for his thought-provoking and humorous editorials, McClelland's last issue was September 1988.



John C. "Charlie" McMullen

Submitted by Unifrax I LLC

Charlie McMullen was a research scientist for The Carborundum Company Fibers Division, which later became Unifrax. In 1942, he invented a revolutionary ceramic fiber that was trademarked under the Fiberfrax® name. Today, McMullen's spirit of innovation continues at Unifrax, where Fiberfrax ceramic-fiber products are manufactured in over 50 product forms that provide a wide variety of high-temperature solutions for industries throughout the global market.



Henry M. Rowan

Submitted by Inductotherm Group

Henry M. Rowan is founder and chairman of Inductotherm Group, the world's largest designer and manufacturer of systems for the thermal-processing industry, including induction melting, heat-treating, vacuum melting and welding equipment. Rowan built Inductotherm's first melting furnace in his backyard in 1953. From that modest beginning, Inductotherm, and now Rowan Technologies, has become a global industrial corporation with companies and customers around the world.