



ARTHUR E. BERGLES, PhD, PE

FIRST ASHRAE FELLOW OF THE NORTHEAST CHAPTER

Dr. Bergles education was at the Massachusetts Institute of Technology (MIT) where he started in 1963 and earned BS, MS and PhD. He went on to serve on the MIT faculty for seventeen years before becoming a Professor of Mechanical Engineering at the Georgia Institute of Technology. He went on to become the Chairman of the Mechanical Engineering Department of Iowa State University. In 1983 he became RPI's Clark & Crossan Professor of Engineering and Director of the Heat Transfer Lab. In 1989 he was appointed the Dean of the School of Engineering. Currently (2013) Dr. Bergles is a Glenn L. Martin Institute Professor of Engineering at the University of Maryland in College Park, MD and a senior lecturer at MIT in Cambridge, MA.

Dr. Bergles is well known for his expertise in heat transfer and has brought about better heat exchange to reduce cost and conserve energy. Research specialties include Augmentation of Convective Heat Transfer, Boiling Heat Transfer and Two Phase Flow, Microelectronic Cooling Technology and Laminar Internal Flow Heat Transfer, including non-Newtonian Liquids.

Arthur has been a member of ASHRAE since 1978. He revised the 1983 ASHRAE Fundamentals chapter on heat transfer. Dr. Bergles served as associate editor of ASHRAE's International Journal of HVAC&R Research and on TC 1.3, Heat Transfer and Fluid Flow, SPC 33 Methods of Testing Forced Circulation Air Cooling and Air Heating Coils and the Standards Committee. He has published more than 360 technical papers, 25 books and 150 articles including papers and articles for ASHRAE Transactions, Journal and International Journal of HVAC&R Research. He is a member of several other societies such as ASME, American Association for the Advancement of Science, American Association of University Professors, and American Society for Engineering Education, American Institute of Chemical Engineers, International Centre for Heat and Mass Transfer, American Institute of Aeronautics and Astronautics and the Society of Automotive Engineers.

Dr. Bergles was honored as an ASHRAE Fellow at the 1992 Society Winter Meeting in Anaheim, CA. He is the first Fellow of the Northeast Chapter. The nomination process was started and completed by Joseph K. Ting, PE a past president of the Northeast Chapter and a past Director and Regional Chair of Region I.

At the 2000 ASHRAE Winter Meeting in Dallas, TX, Dr. Bergles received the F. Paul Anderson Award in recognition of his achievement in heat and mass transfer research. This award is named for the late Presidential Member F. Paul Anderson, who was a pioneer in the study of environmental conditions for comfort.

In 2002 at the ASHRAE Annual Meeting in Honolulu, HI, Arthur Bergles was the recipient of the ASHRAE Louise and Bill Holladay Distinguished Fellow Award. This award is given to a Fellow ASHRAE for continuous preeminence in engineering or research work. The honor was initiated in 1979 by Presidential Member Bill Holladay.

Bergles is also the recipient of the ASHRAE Northeast Chapter Education and Research Award and the ASHRAE Distinguished Service Award.

The Northeast Chapter is proud to have Professor Bergles as the first ASHRAE Fellow of our chapter.

Stan Westhoff

Chapter Historian