

the ventuno press
618 Waycross Road
Cincinnati, Ohio 45240
U.S.A.

August 29, 1986

Dear

Enclosed are the articles you requested from Ventuno Press at the recent International Heat Transfer Conference:

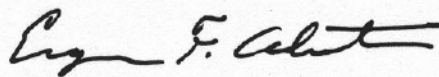
"A Scale of the Degrees of Heat" by Isaac Newton. Heat transfer texts generally cite this article as the source of the heat transfer coefficient (h) concept. The enclosed version was reproduced from a book sponsored by the Royal Society and printed in 1749. Note on the cover page that the book contained the first English translation of the Latin papers. (Newton's article was originally published in 1701 in Latin and was entitled "Scala Graduum Caloris".)

"A New Look at the Origin of the Heat Transfer Coefficient Concept", an unpublished manuscript by Eugene F. Adiutori. The manuscript examines Newton's article and demonstrates that Newton had no understanding of the h concept. It also examines the literature in general and concludes that Fourier should be credited with the h concept.

My purpose in writing the article was to kill the unfounded myth that Newton conceived of the h concept--and to ensure that Fourier would be properly credited not only with the h and k concepts, but also with his greatest contribution--the concept of flux in general, and heat flux in particular.

I hope you will enjoy reading the article as much as I enjoyed writing it.

Sincerely,



Eugene F. Adiutori