

September 8, 1965

Dr. Harding Bliss, Editor
AIChE Journal
225 Prospect Street
Yale University
New Haven, Conn. 06520

Dear Dr. Bliss,

The purpose of this letter is to point out some new information which has an important bearing on Ms. #6593 - "Nucleate Boiling-- The Relationship Between Heat Flux and Thermal Driving Force". You may recall that subject ms was accepted on the basis of several favorable reviews but was then rejected on the basis of several "non-reviews" which were highly unfavorable. If my memory serves me correctly, the final rejection was based on your observation that "no competent reviewer believes you".

I now wish to point out that, since I first submitted subject ms to the AIChE Journal, a rather large number of persons have come to realize that my thesis of the linear relationship is quite correct. Moreover, these same persons are publishing their data and correlating it in the manner I suggest--namely by plotting the data on linear paper and observing the fact that the data are very highly correlated by straight lines on linear paper. I now list a few of the recent publications which have followed my suggestion and have availed themselves of the results of my privately supported research:

1. NASA TN D-2626 Experimental Study of Subcooled Nucleate Boiling of Water Flowing in 1/4 inch Diameter Tubes at Low Pressures by Jeglic, Stone, and Gray

In this report, several hundred data points are presented and correlated on linear graph paper. In EVERY case, the data correlated very well on linear graph paper.

It is interesting to note that the work was performed at Lewis Labs (where I believe Hsu was employed) and that subject report is dated January 1965.

2. AICHE Preprint 11 for the Los Angeles conference by M. Carne and D. H. Charlesworth.

In this report, the authors present the SAME data by Berenson that I presented in ms #6593 and they have plotted the data on linear paper and have observed that, in EVERY case, the data were very highly correlated by straight lines on linear paper. Moreover, they followed another of my suggestions which was contained in another AICHE rejected ms and correlated Berenson's transition boiling data by straight lines on linear paper.

I think you will agree that the above publications are sufficient to demonstrate that it can no longer be said that "no competent reviewer believes you". Moreover, it is my feeling that, in view of the above, there is no longer any reason for the editor of the AICHE Journal to refuse to publish a manuscript which was reviewed, judged favorable, and which is apparently now being utilized, at least on a limited scale.

I hope you will agree that the subject ms should now be published without further ado and I trust that you will so inform me in the near future.

EA/mh

PS If it would be convenient, I would appreciate your forwarding this letter to your colleague, Professor Weswater.