

A. I. Ch. E. Journal

EDITOR
Harding Bliss

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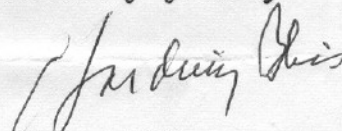
September 7, 1964

Mr. Eugene F. Adiutori
Stability Consultants
P. O. Box 18062
Cincinnati, Ohio 45218

Dear Adiutori:

I have been thinking over some more the whole broad problem of your contention about the linearity of the relationship between heat transfer coefficient and heat flux density in boiling. The simple fact of the matter is that no competent reviewer believes you. I am afraid that no competent reviewer will ever believe you as long as you cite only two or three references out of the vast literature of boiling to bolster your case. This was certainly the major point made by four of the six reviewers who have seen your paper. If you want to strengthen your case I can see only one way to do it, and that way is to use all of the data you can find and apply to them the statistical method. Since many articles are printed without tabular data you will of course have to consult tabular depositions in the A.D.I. and original dissertations in many cases. The appropriate statistical treatment to be applied to this whole array of data is the method of least squares. In these days of machine computation this can be done with extreme speed once the data are collected. I would imagine that you could get the best value of the exponent with the method of least squares on several thousand data points in a minute or two of computation time. On the other hand, the cost of this time is anything but negligible unless you have a computer at your disposal. I doubt very much that you will ever convince the doubting public in this matter until you adopt the statistical method.

Sincerely yours,



Harding Bliss

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