

August 24, 1964

Dr. David Miller
Institute of Nuclear Science
Argonne National Laboratory
9700 South Cass Avenue
Argonne, Illinois

Re: #6593 - "Nucleate Boiling -- The
Relationship Between Heat Flux and
Thermal Driving Force" by E.F. Adiatori

Dear Dr. Miller:

I have just received a telephone call from Adiatori asking that subject paper be withdrawn. Perhaps this is the simplest answer, but I still have certain sympathies with his basic idea that the use of log-log paper for plotting may be very misleading. I would prefer not to say that this paper should be rejected absolutely until I give it some more thought. I am not yet convinced that Adiatori is wrong just because he may be undiplomatic.

His answer to your criticism of his selection of only a few data points is that he can prove his point on any data. He volunteers to do this with any data you select. Would you be good enough to pick a reference for him to work with in which tabular data are presented and let him try to prove his point in such data of your selection. It should be remembered that the data Adiatori used to show his linear relationship were exactly those used by Rohsenow to show a non-linear one.

The other matter of Hsu's criticism is certainly not yet resolved.

Quite a long time ago I suggested to Adiatori that he adopt the statistical method. This is the only way I know of to distinguish between forms of equations in the absence of theory. What do you think of this?

I will appreciate your further interest and help.

Sincerely yours,

Harding Bliss

HB:jo

cc: E.F. Adiatori