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TmG-m27Z

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VERSION**

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b. The MANIAC implosion calculation is now proceeding.

3.]

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Longuire stated that the experiments will probably be concluded toward the end of the week.

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It is not known if this is caused by a scattering effect or if  $\sigma$  and  $f$  are wrongly taken.

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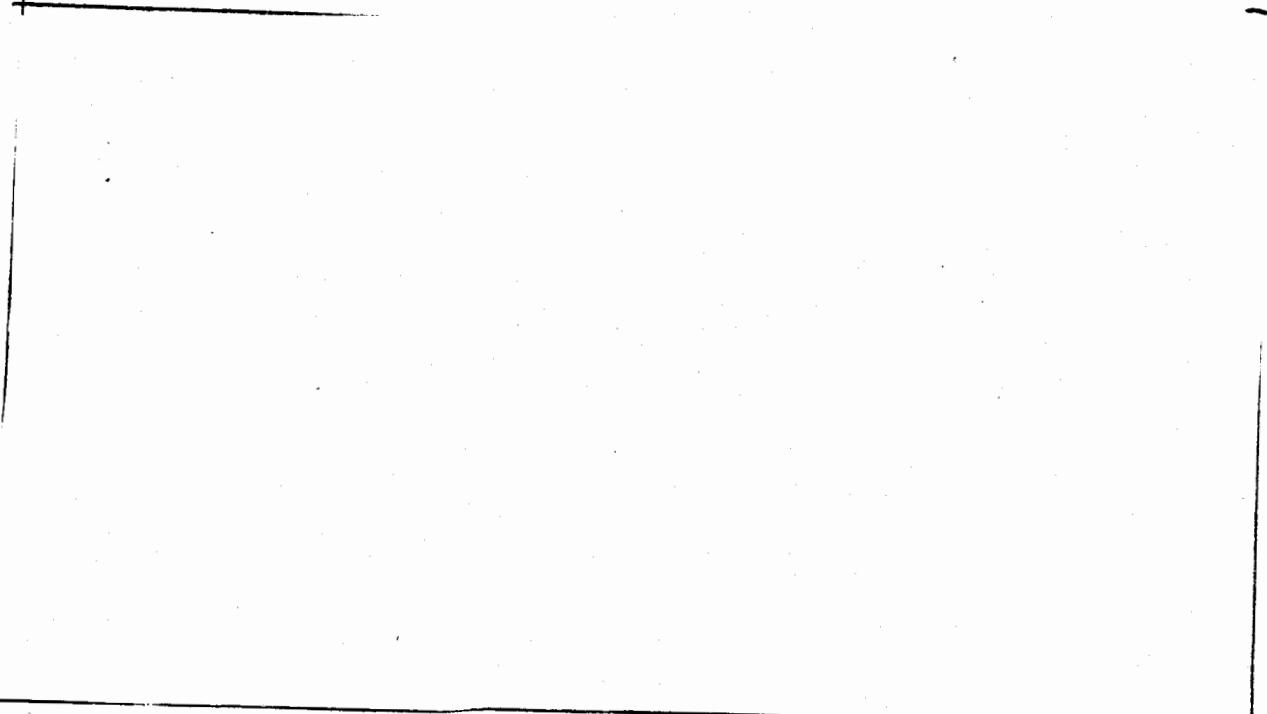


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e. SWAC Problem III calculations of de Hoffmann were discussed in section 5.3 of the 26th Minutes. de Hoffmann later reported the following correction:



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These calculations were carried out for the purpose of checking Bethe's formula.

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f.  $y$  and  $Z$  (defined in (d)) are plotted as functions of time in Figures 1 and 2 for Richtmyer's SEAC Problems 6.1 and 7.1. (See TM-58.)

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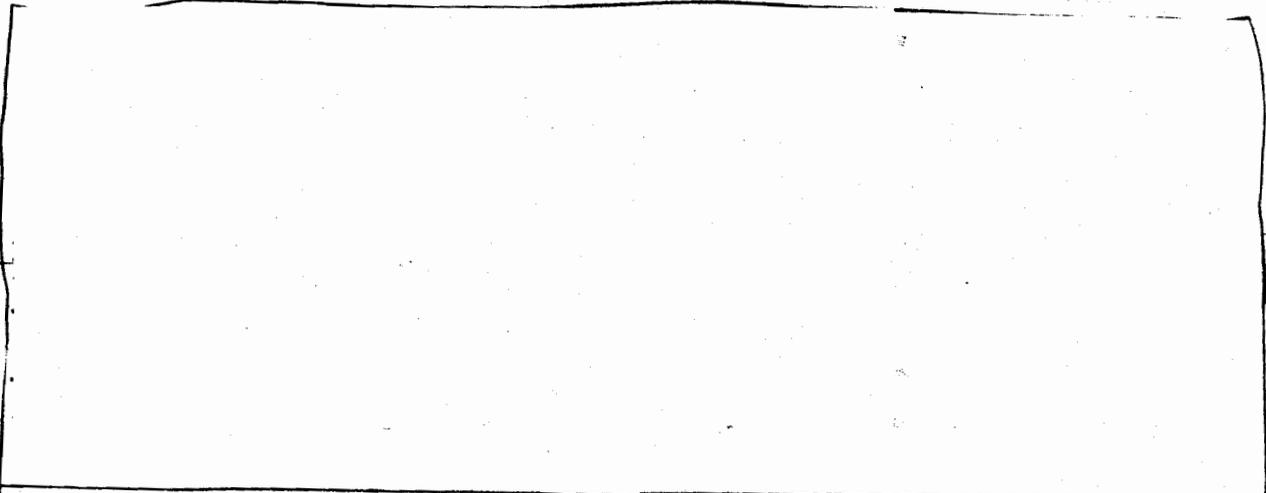
$y$  and  $Z$ , for the density distribution assumed in the above calculations, are plotted as dashed lines in Figure 1 to compare with the SEAC values of Problem 6.1.

5. Radiation Flow.

5.1. For Early Times (Mark).

This was corrected for in part by Broyles and Freeman, who took into account the variations of  $mfp$  with time.

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5.2. Radiation Flow Calculation of Broyles and Freeman.

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Future calculations will be carried out for (i) a different mfp prescription, and (ii) an mfp as short as could be expected to occur.

In previous calculations there was an error made in the flux which was too large by a factor 1.4.

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Mr. HOLLOWAY remarked that this would cause no pain but that present design would not include it.

R. W. Goranson  
R. W. Goranson

Distribution - See next page.

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