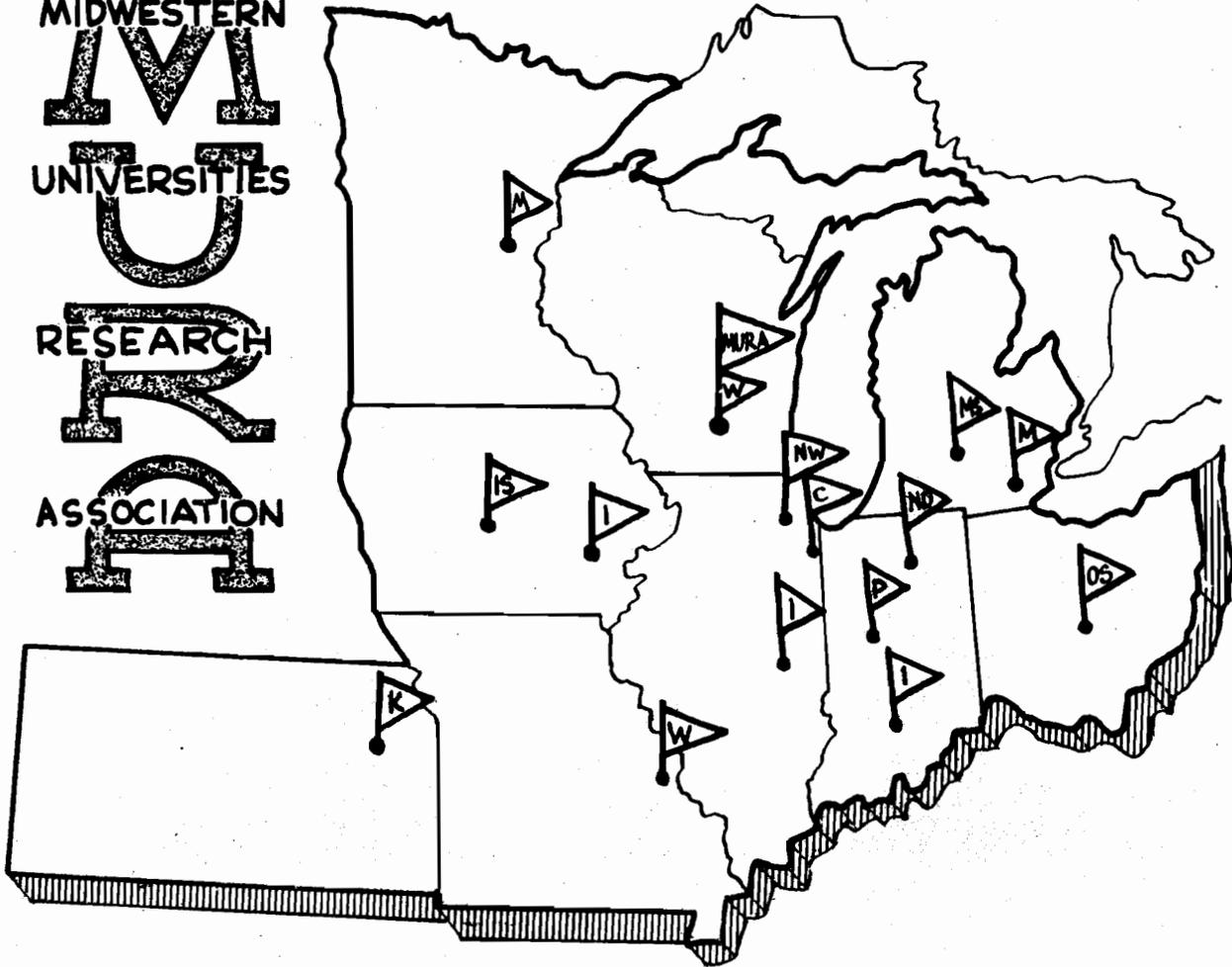




MIDWESTERN  
**M**  
UNIVERSITIES  
**U**  
RESEARCH  
**R**  
ASSOCIATION  
**A**



**REPORT**

FORMESH FIELD PRINT  
(Programme 86)  
March, 1957

**NUMBER**

242

Internal  
(IBM Program)

FORMESH FIELD PRINT  
Programme 86

J. N. Snyder

This programme originates in an oral remark (L. Jackson Laslett to J. N. Snyder) of 7:18 P.M., 26 February, 1957.

This overwrite is incorporated into FORMESH (Programme 26) by writing in a large and clear fashion on the FORMESH agendum sheet the graffiti "USE FORMESH FIELD PRINT OVERWRITE, PROGRAMME 86." When this is done, four times per integration step will be printed a line containing

$$00000 \quad 2^{-6} h_e \quad 2^{-6} h_r \quad 2^{-6} h_z$$

The first of each group of four lines contains the field quantities pertinent to the values of the variables at the end of the last step, i. e., at the beginning of the current step. The 2nd, 3rd, and 4th lines of the group are of no interest to the programme user.

In normal use, this overwrite would be used with agenda having  $N_p = 1$ . Then the first line following each standard FORMESH line gives the field quantities evaluated at these values of the variables.

This programme may be used only with FORMESH (Programme 26) and with no other programmes of the FORMESH family. When in use the mesh size must satisfy

$$3 ab \leq 7308$$

or else the appropriate b<sub>PHONY</sub> procedure must be executed.