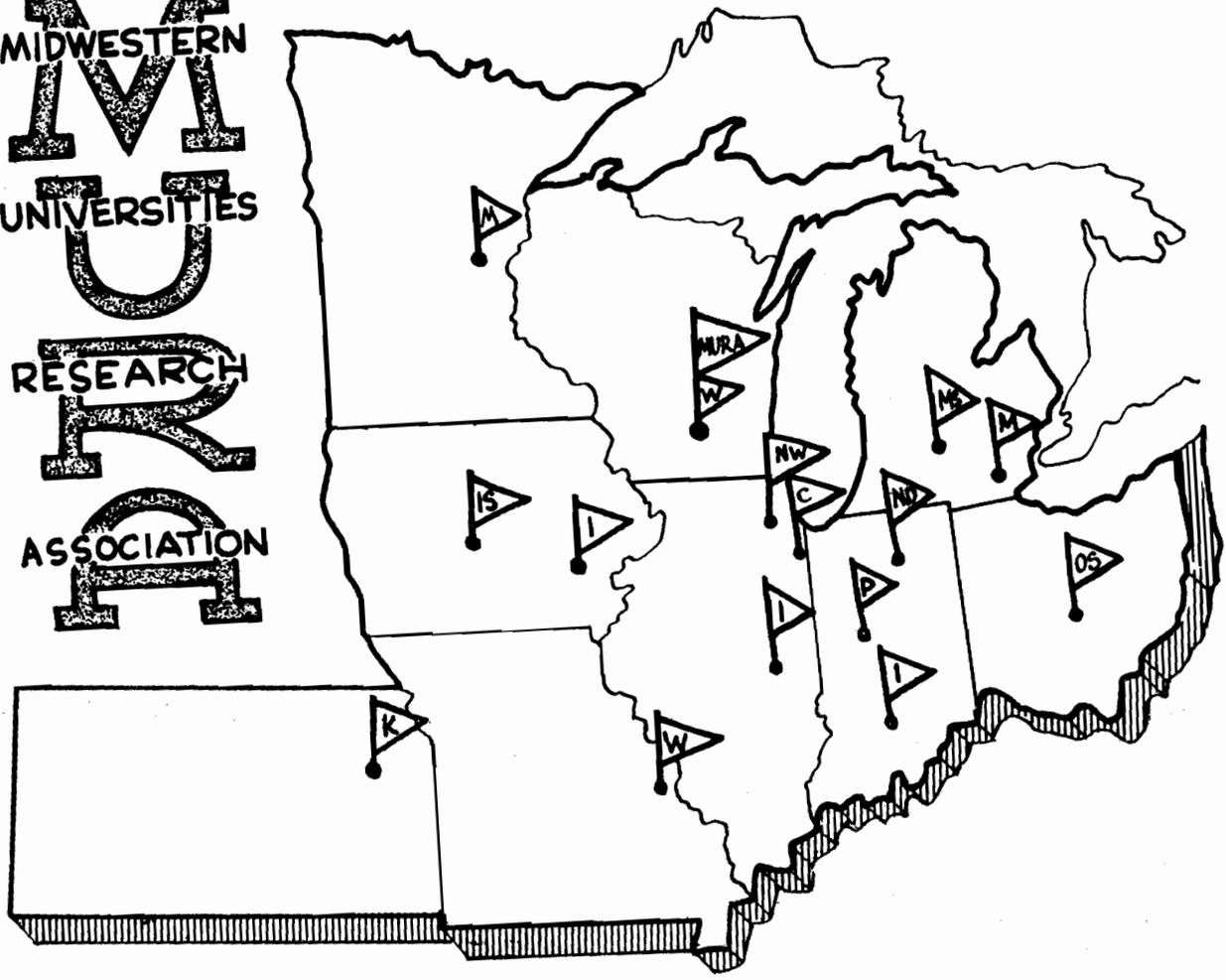


489



MIDWESTERN
M
UNIVERSITIES
U
RESEARCH
R
ASSOCIATION
A



REPORT DRYTEMPER
(Program 250)
July 10, 1959

NUMBER 489

IBM Program
Internal

DRYTEMPER
(Program 250)
July 10, 1959

Elizabeth Z. Chapman

This program was inspired by the memorandum of June 1, 1959, L. Jackson Laslett to M. R. Storm and E. Z. Chapman suggesting possible overwrites to the DUCK ANSWER and ILL TEMPERED FIVE programs.

DRYTEMPER is a modification of the ILL TEMPERED FIVE program permitting linear variation of the coefficients $\mu_{o, m', o}$ and $\nu_{o, m', o}$, where m' denotes some particular value of m . The corresponding μ and ν values must have the same rate of change. This secular change feature will be applied to the chosen coefficients from the beginning of the n th integration step to the end of the n 'th integration step. It is permissible to let n have the value zero.

All quantities are held from run to run so that one can do a series of runs where the coefficients go through exactly the same secular change in each run of the series. Also note that for this modification $\underline{j_{\max}} = 0$.

The printed output is similar to the ILL TEMPERED FIVE except that the program number 250 has replaced the former 220. Also the initial print contains two additional lines with the following format.

Line Label	Col. 1	Col. 2	Col. 3
I. 00250	m'	n	n'
00250	rate of change		

A sample agendum sheet is attached.

DRYTEMPER
(Program 250)

To be attached by staples to the front of an ILL TEMPERED FIVE (Program 220) agenda.

Parameter	Address	Value		Remarks	
m'	278			harmonic number	Fixed Point Integers
n'	279			integration step at which to begin secular change	
n'	280			integration step at which to end secular change	
		n	exp		Floating Point Number
	277			rate of change	