CUSTOMER ENGINEERING TESTS
FOR THE 1401 DATA PROCESSING SYSTEM

NUMERICAL RIPPLE PRINT

Block No.1022A

Purpose of Test

To test hammer firing by printing every character on the numerical chain in every print position in ripple fashion.

Units Required

1401 Processing Unit
1402 Card Reader or 729 Tape Drive
1403 Printer

Operations Used	Code
Clear	(/)
Set Word Marks	(,)
Clear Word Marks	(ü)
Load	(L)
Move	(M)
Print	(2)
Compare	(C)
Add	(A)
Branch	(B)

Method of Test

The complete test block consists of the following cards:

1. Title Card (0A)
2. Two Program Chaining Routine Cards (02-03)
3. Three Title and Headings Print Routine Cards (04-06)
4. Four special program cards to set up instructions that are effective only when tests are run from tape (07-10)
5. Program Instruction Cards (11-40)

NOTE: There are no detail cards in this test. A 60-character table is loaded from constant cards 37-39. The table consists of three sets of every character on the numerical chain in various combinations:

10 numerals	30
6 special characters	18
4 blanks	12
	60

Two Sense Switches may be brought into play as follows:

Sense Switch B ON - permits scoping of the printing operation for one line as often as desired.
Sense Switch D ON - repeats the program for the entire test as often as desired.