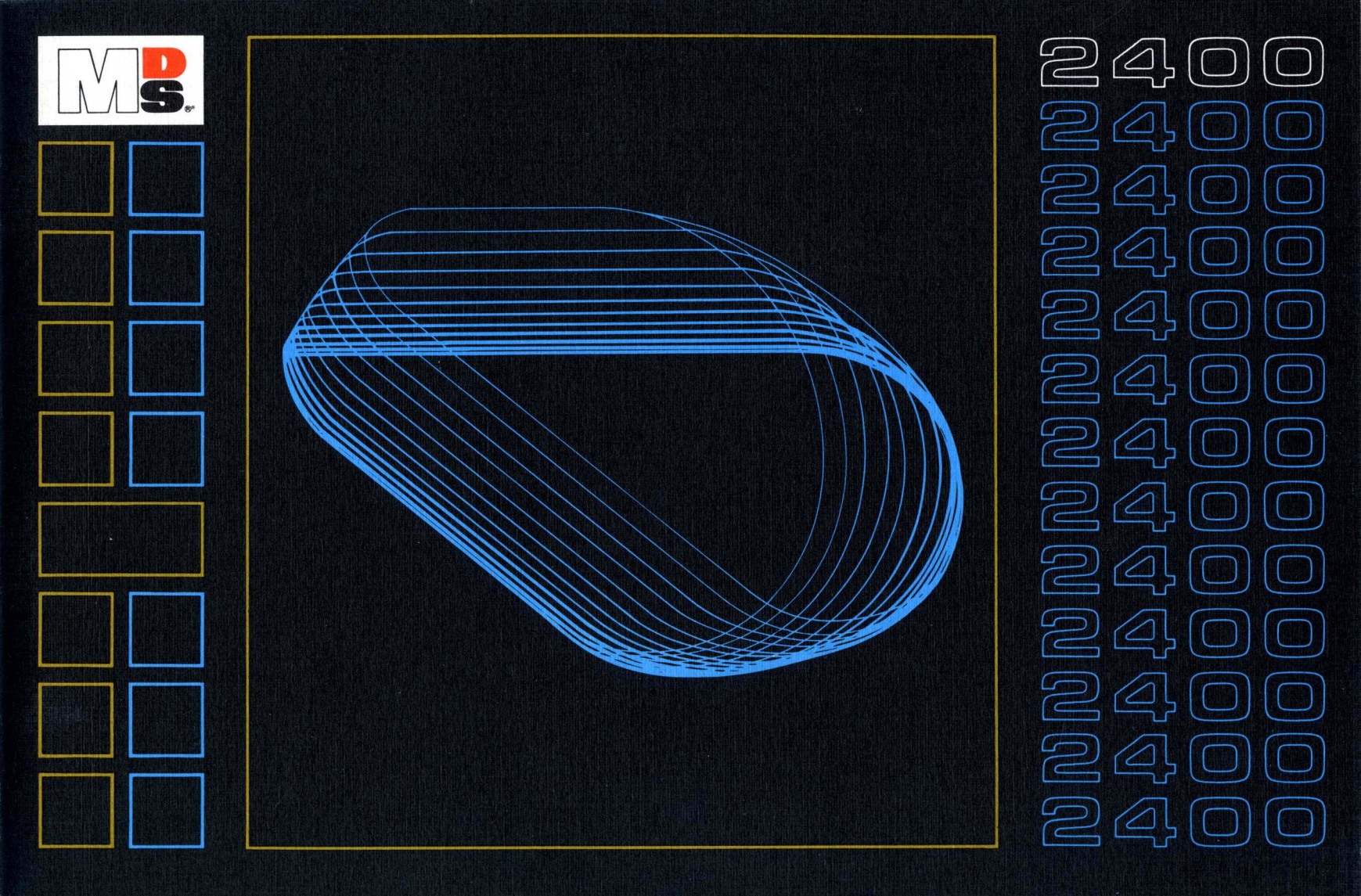
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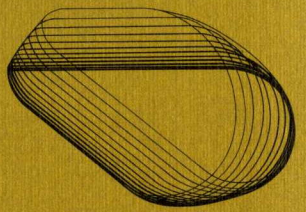
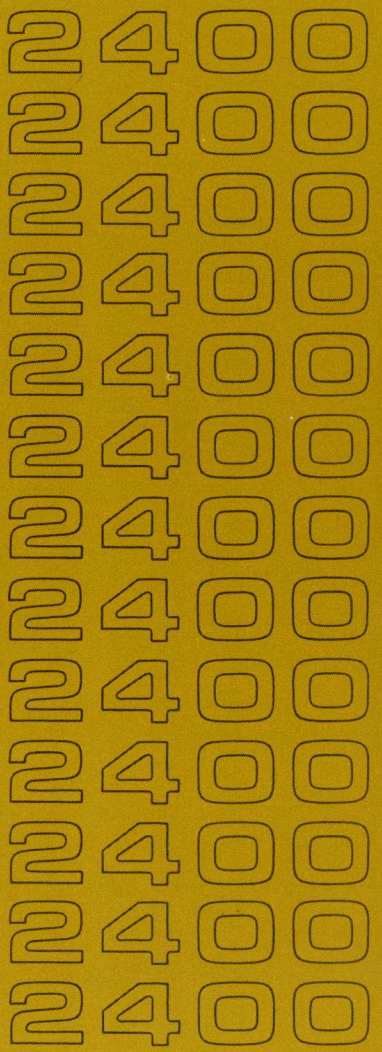


The Möbius Band depicted on the front cover is a mathematical surface with only one side and one edge. Cut in half lengthwise, it falls apart not into two bands but into a single band with four half twists.

Inherent in the data processing task is the never-ending effort to reduce costs and increase the timeliness of management information by improving data throughput. Mohawk Data aids you in this endless quest for improvement by continually supplying new ideas, new equipment and new techniques for the data processing task. This Möbius Band graphically portrays your constant concern in this area and Mohawk Data's unending efforts to aid you. Attempts to separate input from output in the data-flow usually extend the magnitude of the problem as depicted when you attempt to cut a Möbius Band in half lengthwise. Consult your Mohawk Data Sciences representative for fresh, new ideas for your data-flow.

SYSTEM 2400
THE PERIPHERAL PROCESSOR



"The objection to conforming to usages that have become dead to you is that it scatters your force... But *do your thing*, and I shall know you."

Ralph Waldo Emerson
1841 Essay – "Self Reliance"

Mohawk Data's "thing" is to find a better way. We started at the front end with key to memory to magnetic tape encoding.

Then, we listened to our customers.

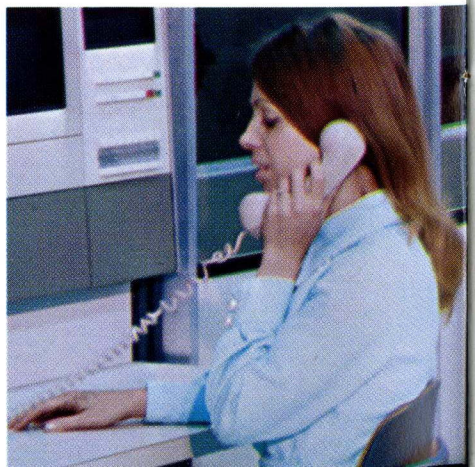
You installed a computer and you learned how to use it. But... no one was overly anxious to help you do the "get in" and "get out" for that computer.

So that became our "thing."

Now, Mohawk Data has put it all together.

SYSTEM 2400
THE PERIPHERAL PROCESSOR

SYSTEM 2400 does it better.



We designed SYSTEM 2400 to take the input/output/communications tasks away from your main frame computer. Your main frame isn't efficient at those mundane jobs anyway.

Chores like

DATA-EDITING	DATA-COLLATING
DATA-TESTING	DATA-BLOCKING
ERROR DETECTION	OUTPUT EDITING
ERROR LISTING	OUTPUT UNBLOCKING
ERROR CORRECTION	PRINTOUT
DATA-SORTING	DATA-TRANSMISSION

Drop these non-computing chores from your main frame. Let it do its "thing"...compute.

Let **SYSTEM 2400** do its "thing"...chores.

SYSTEM 2400 is designed for you.

SYSTEM 2400 is configured by you.

SYSTEM 2400 saves you money.

SYSTEM 2400 does it better.

SYSTEM 2400 is modular. You select what you need to assist you. As you grow, your **SYSTEM 2400** can grow.

SYSTEM 2400 operates as a:

DATA-EDITOR	**OFF-LINE PRINTER**
DATA-SORTER/COLLATOR	**SATELLITE COMPUTER**
TRANSMISSION TERMINAL	**DATA-PROCESSOR**

or for virtually any input/output/communications chore you presently do on-line.

We present to you a few SYSTEM 2400 configurations.

We offer them as thought-starters.

SYSTEM 2400 does it better.

SYSTEM 2400 . . . DATA-EDITOR

You use keyboard equipment to prepare your data. Then, you must batch combine, range test, validate, edit, error list, correct, block and sort.

Information must be moved from source documents to machine legible mediums. Key punches are the old way to do this. Mohawk Data offers SYSTEM 9000 and DATA-RECORDERS as a more efficient way.

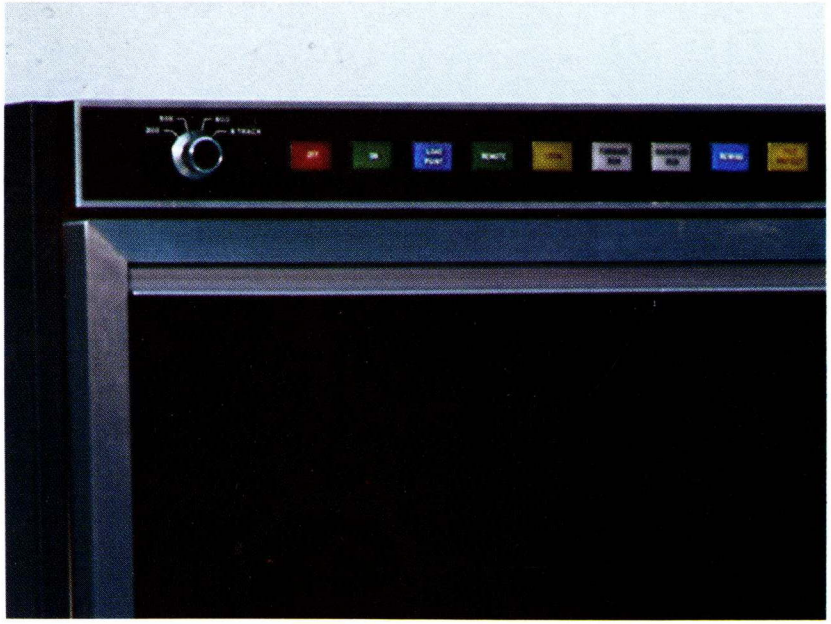
Whatever your method, SYSTEM 2400 can move your data along its throughput pathway to the computer — error free, faster, more economically.

SYSTEM 2400 does it better.

Coming out of your computer you again edit the data. For printouts, for transmission, for validity, and so on. You do all of this now **on your main frame.**

It costs you money. It slows your computer.

SYSTEM 2400 does it better.



Magnetic tape data storage is inexpensive. However, to become useful, a tape must be sorted; tapes must be collated. Many EDP installations devote a large percentage of main frame time to this chore. Costly—when performed on-line.

SYSTEM 2400 does it better.

As work loads increase, the natural tendency is to increase core, upgrade the CPU, work overtime. Three tape handlers and a PERIPHERAL PROCESSOR can sort collate your magnetic tapes without main frame reference. If your record volume is very large, configure your SYSTEM 2400 to suit. Reduce main frame involvement.

Tape merging does not require great processing power. Why waste main frame power on menial tasks?

SYSTEM 2400 does it better.

SYSTEM 2400 . . . DATA-COMMUNICATOR

DATA-TRANSMISSION costs are high. Transmitting the same data twice, even though reformatted, doubles the cost. Reduce your data transmission costs.

Transmitting a space costs as much as a character. But spaces are necessary to make information readable. And you pay by the bit. SYSTEM 2400 compresses spaces before transmission.

SYSTEM 2400 as a transmission terminal increases the transmission efficiency in both directions.

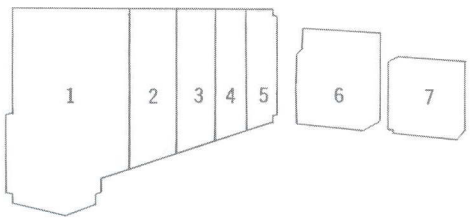
SYSTEM 2400 gathers source data, filters it and blocks it for more effective transmission to your CPU.

Conversely, SYSTEM 2400 receives basic data once from your CPU. Then unblocks and reformats that data for various reports, printouts, punched cards - whatever.

Reduce main frame involvement, reduce transmission time. Reduce costs.

SYSTEM 2400 does it better.


SYSTEM 2400
SYSTEM 2400



1 — 2405 Processor with BSC Communications
2, 3, 4, 5 — 2430 Series Magnetic Tape Drives
6 — 2444 Chain Printer
7 — 2453 Card Reader

SYSTEM 2400

THE PERIPHERAL PROCESSOR

SYSTEM 2400 . . . DATA-PRINTER

Management reporting, a printout, is the purpose of data computation. And management requires data while it is still timely. Management must make timely decisions.

Using your main frame to run a printer may seem fast. Actually, it is costly and inefficient even with multi-programming. Report editing, reformatting and printing degrades the computer's main task of COMPUTING.

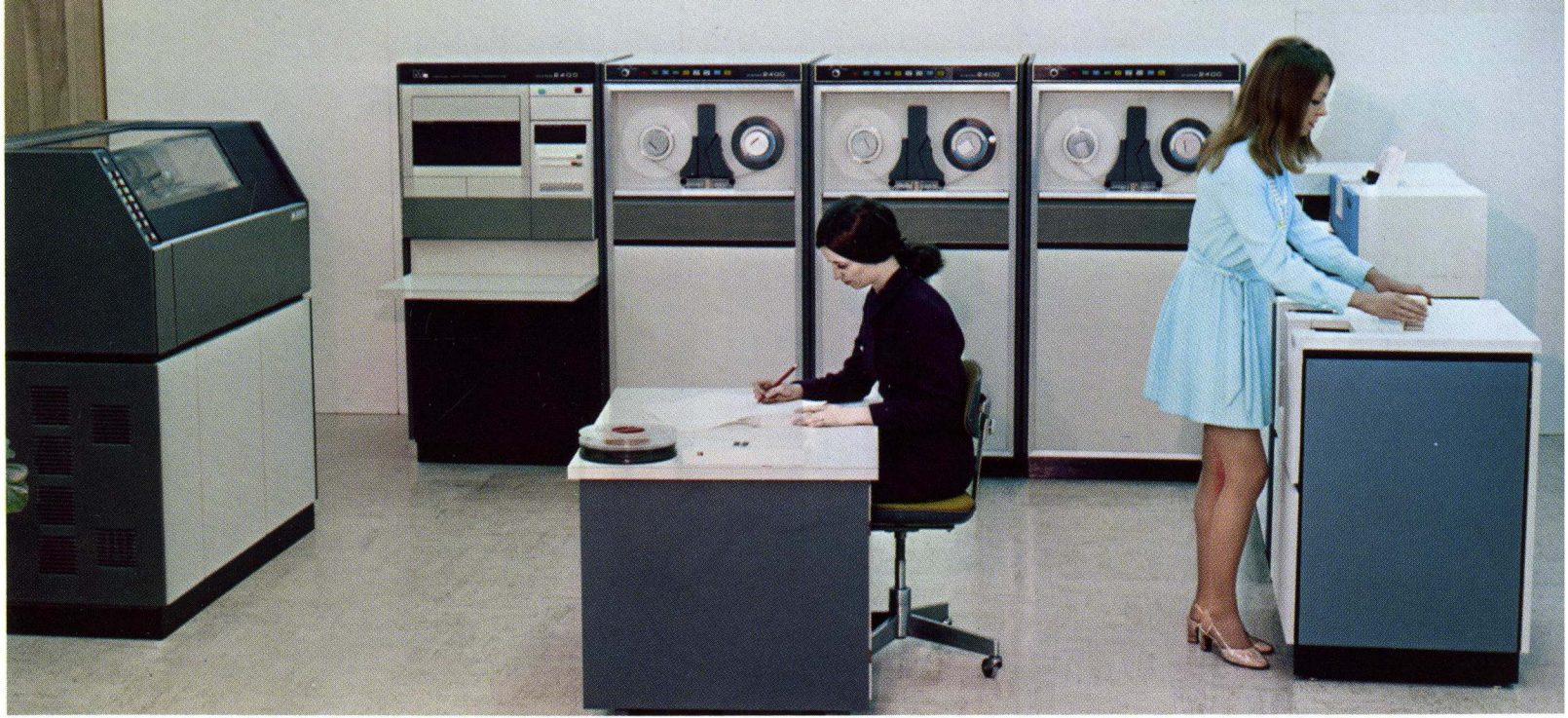
SYSTEM 2400 . . . DATA-PRINTER takes main frame output tapes and edits, rearranges, sorts and even performs pertinent computations to provide necessary reports. And you can drive two printers simultaneously at speeds to meet your requirements.

When SYSTEM 2400 input is two tapes they need not be alike in density or channel count.

SYSTEM 2400 does not care where the data came from. It only wants to know what you need.

SYSTEM 2400 does it better.

SYSTEM 2400 . . . DATA-CONVERTER



Blocked magnetic tape is the least expensive input medium. Converting from punched cards, punched paper tape, unblocked magnetic tape, and so forth to blocked computer tape on the main frame is costly.

Output, processed data, usually needs conversion to human readable form or, even slower, to a punched card. Done on your main frame, it is costly.

Release your computer.

Eliminate the slow—the costly—the profit eating, menial tasks from your main frame scheduling. Perform them OFF-LINE on a PERIPHERAL PROCESSOR.

SYSTEM 2400 does it better.

SYSTEM 2400 . . . SOFTWARE

SYSTEM 2400 saves you money in the areas of DATA-EDITING, DATA-SORTING, DATA-COMMUNICATIONS, DATA-CONVERSION and DATA-PRINTING. Yet, by itself, it can do nothing . . . it must be instructed. Your programmers/systems men are probably pretty busy right now.

The basic support you receive is MDL (Mohawk Data Language). A simpler language than your people use everyday in business programming. Data oriented, not machine oriented, MDL's unique design significantly reduces coding.

SYSTEM 2400 does it better.

Peripherals must be meshed. Be not concerned. Mohawk Data supplies a system for any input and any output (IOCS).

To fit it all together, you receive a package which generates a description of the exact configuration of your system. Your entire peripheral configuration is available for use by any program. However, only the minimum configuration required for a particular application is incorporated into a given program.

The utility software ranges from sort-merge, to media conversion, to packages that allow you to keep your programs in order. None of these use a complicated Job Control Package; most operate through easily set operator switches. Some even allow you to run concurrent operations merely by using additional switch settings.

SYSTEM 2400 does it better.

Processor

4K byte memory—expandable to 32K
One I/O buffered channel—expandable to four
250K byte transfer rate on each I/O channel
Up to 16 devices per I/O channel
2 microsecond cycle time
Operator's Panel with
- Status indicators (alphanumeric)
- Operating switches
- Removable legend plates for program compatibility

Optional Programmers Console

Communications

MSC or BSC dialogue
600 bps to 9600 bps
dial-up or leased line
half or full duplex
asynchronous capabilities

Printing

280/380/1250 lines per minute
chain or drum type
100 or 132 columns

Paper Tape Reading

5, 6, 7 and 8 channel
400 characters per second

Punch Cards

80 column
Read 400 cards per minute
Punch 160 columns per second
Read/Punch capability 400/91 cpm

Disc Storage

2.47 megabytes per disc unit
70 milliseconds average access time
up to 4 disc units per controller

Compatible Magnetic Tape

Read/Write—7 or 9 channel
—200/556/800/1600 BPI
—NRZ or Phase Encoded

Transfer from 9000 to 72000 characters per second

Additional I/O

On/Off-Line DATA-RECORDER

Organized in 1964, Mohawk Data's first product was the DATA-RECORDER. This first key to computer magnetic tape encoder gained success because it presented an effective, economic alternative to punching cards. The DATA-RECORDER, however, was only a base around which a broad product line has been built.

Today Mohawk Data manufactures

over 40 different models of DATA-RECORDERS
low, medium and high speed printers
media conversion systems
high speed data transmission equipment
data preparation systems
and now, logically, SYSTEM 2400
THE PERIPHERAL PROCESSOR

In fact, in six short years Mohawk Data has become the world's largest independent manufacturer of peripheral processing equipment.

In order to serve our customers more efficiently we manufacture at:

Herkimer, New York
Stoneham, Massachusetts
King of Prussia, Pennsylvania
Anaheim, California
Brooklyn, New York
Menden, West Germany
Eaglescliffe, England

However, in our industry superior products with proven efficiencies do not by themselves assure success. Fact of the matter is, it is probably more important to provide support.

Mohawk Data's founders were aware of this, and put major emphasis on building a large staff of highly qualified sales representatives and customer engineers. People employed by Mohawk Data to serve you...our customers.

We train and retrain these "people meeting people." They are aware of the latest innovations in equipment and technology. Their purpose is to provide you with greater EDP efficiencies and cost reductions.

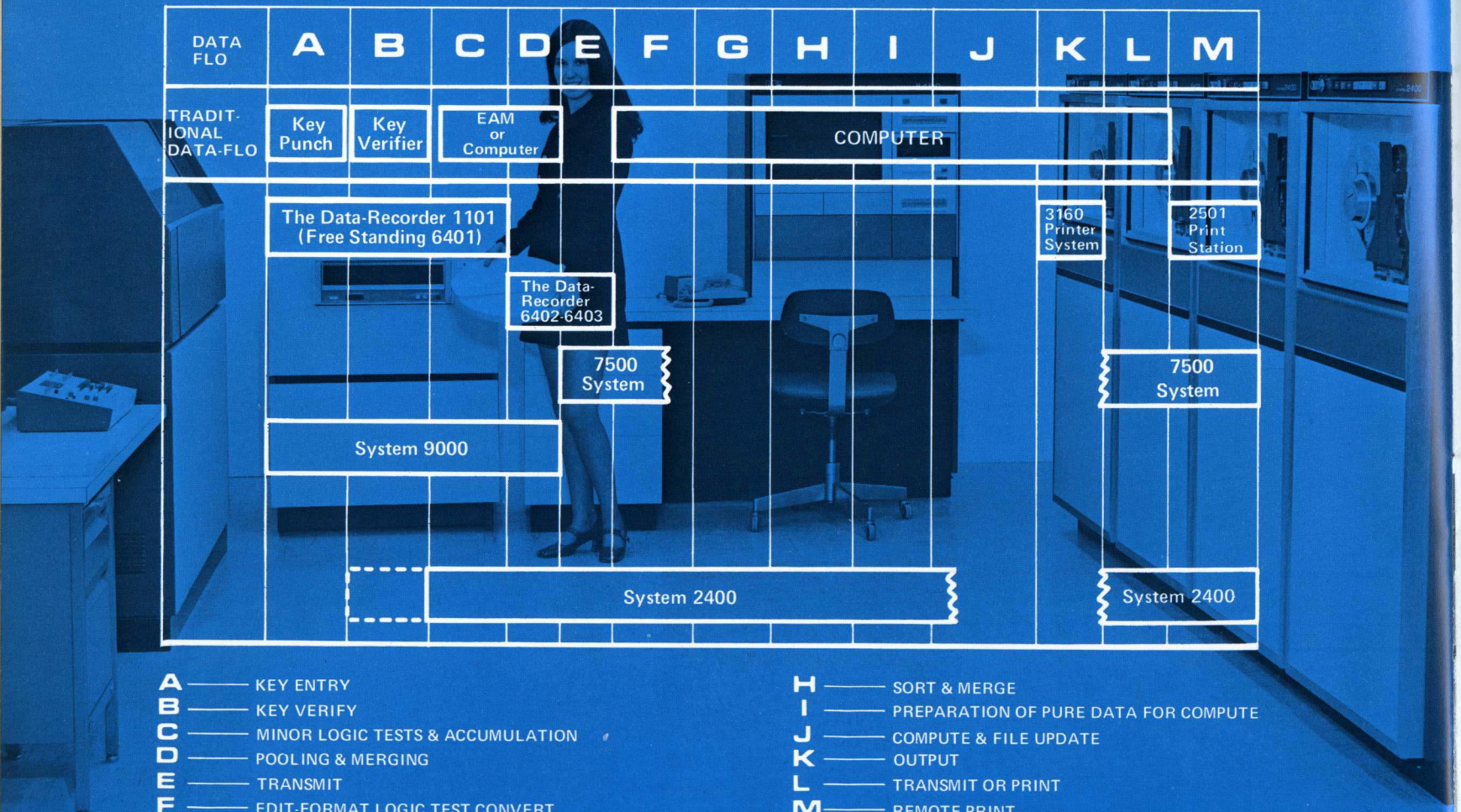
Furthermore, Mohawk Data recognizes that fine equipment and fine support are complete only when your operators can operate this equipment. We train your operators, professionally.

Mohawk Data has over 160 offices, staffed by over 1500 marketing specialists and customer engineers throughout the world. People devoted to solving your throughput problems.

It is because Mohawk Data has listened to our customers that we have become known as

THE THROUGHPUT SPECIALISTS.

MDS IN THE DATA FLO



A — KEY ENTRY
B — KEY VERIFY
C — MINOR LOGIC TESTS & ACCUMULATION
D — POOLING & MERGING
E — TRANSMIT
F — EDIT-FORMAT LOGIC TEST CONVERT
G — LIST & ERROR LIST
H — SORT & MERGE
I — PREPARATION OF PURE DATA FOR COMPUTE
J — COMPUTE & FILE UPDATE
K — OUTPUT
L — TRANSMIT OR PRINT
M — REMOTE PRINT

MOHAWK DATA SCIENCES CORP. REPRESENTED WORLDWIDE

MOHAWK DATA
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Palisade St., Herkimer, N.Y. 13350

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Zanzibar

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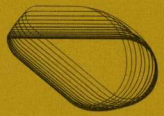

THE THROUGHPUT SPECIALISTS

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