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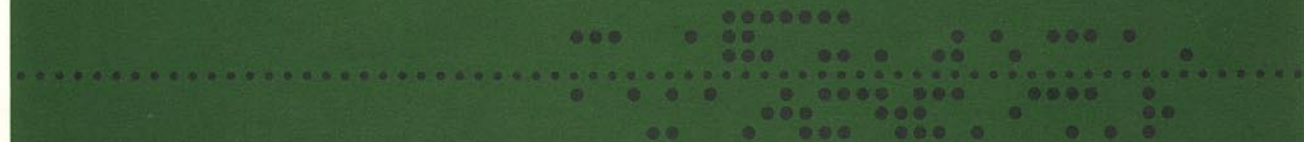ING SYSTEM PDP-8 TYPESETTING SYSTEM PDP-8
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ING SYSTEM **PDP-8 TYPESETTING SYSTEM** PDP-8

DIGITAL EQUIPMENT CORPORATION · MAYNARD, MASSACHUSETTS

DIGITAL'S PDP-8 TYPESETTING SYSTEM IS BEING DELIVERED NOW — AND YOU CAN AFFORD IT NOW!

The PDP-Typesetting System justifies and hyphenates up to 12,000 lines of TTS tape per hour at better than 90% accuracy. That's fast enough to keep ten or more line casters busy.

Composition is more appealing with more even spacing than is possible with justifying perforators and the tightest lines possible without jamming the line casting machines.

The PDP-8 Typesetting System's 90% hyphenation accuracy can be increased at relatively low cost by adding more memory.

You get justification that's programmed for the tightest possible lines. This means that type is consistent throughout your publication. It also means that you save space, and eliminate over-tight lines that ruin matrices and cause expensive hang-ups.

You get a choice of 16 possible combinations of measure, type font and size. (Or more as an optional extra.)

You get far more output per keyboard operator. Experience shows that this increase should run about 100%. What's more, you can qualify keyboard operators with a week's training, instead of the 6 months or so it takes to train operators to justify and hyphenate with acceptable accuracy.

And you don't have to wait to put PDP-8 to work! Roll the PDP-8 Typesetting System into your composing room. Plug it in.

At $24,900 you don't have to forgo electronic speed and economy in the composing room until other departments can share the cost of a computer.

Or split the computer's time among several departments in order to justify the price.

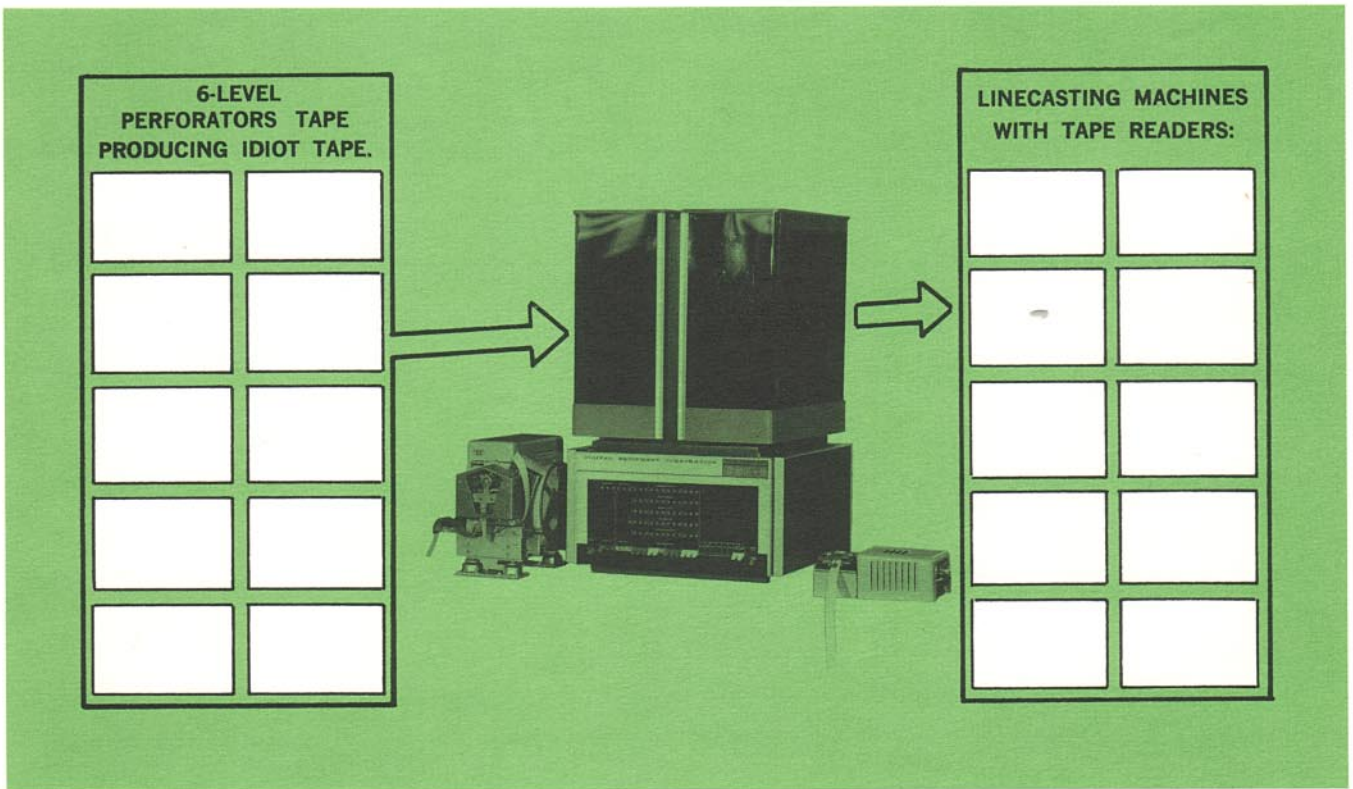Or wait a year or so for delivery after you do decide to order.

PDP-8 can be working for you within 6 months. And earning its keep in the composing room alone from the minute it arrives.

LESS THAN 3 HOURS OF TYPING TIME SET THIS PAGE.
The PDP-8 Typesetting tape accepts idiot tape — which keyboard operators can punch out easily at 12 lines per minute — and turns it into hyphenated and justified TTS tape that operates your line-casting machines. Total typing time for two operators to set setting a page with 700 lines of text: about 30 minutes. Without the PDP-8 Typesetting System to perform time consuming hyphenation and justification, this page would require two perforators over an hour to set.

HERE'S WHAT YOU GET WITH THE BASIC, $24,900 PDP-8 SYSTEM

6-LEVEL
PERFORATORS TAPE
PRODUCING IDIOT TAPE.

LINECASTING MACHINES
WITH TAPE READERS:

The PDP-8 Typesetting System accepts idiot tape as fast as 10 to 12 keyboard operators can produce it on Flexowriters or any other 6-level tape perforators. It turns the idiot tape into hyphenated/justified tape at a rate of 12,000 lines per hour — enough to keep 10 to 12 linecasting machines busy.

- PDP-8 computer. Makes all justification and hyphenation decisions automatically at electronic speeds.

- ASR 33 Teletype. Used for programming and maintenance of computer.

- 110 cps Teletype CX reader: accepts idiot tape and feeds data into computer.

- 110 cps Teletype BRPE punch: punches out hyphenated/justified TTS tape.

CHANGEOVER IS PRACTICALLY PAINLESS
You install PDP-8 typesetting as easily and effortlessly as you would put in a new electric typewriter.

It need involve only two trifling changes.

1. Keyboard operators no longer have to justify or hyphenate.

2. Tape is handled twice instead of once.

Otherwise there is no need to revamp or retire your present procedures or equipment — in the composing room or anywhere else in your organization.

A SYSTEM THAT GROWS AS YOUR REQUIREMENTS GROW

With PDP-8 you buy what you require today — not two years or ten years from now.

As you gain experience with the system, you will realize what you do need and don't need for expansion or greater efficiency. And Digital will provide this — at costs in keeping with the economy of the basic system.

If you find, for instance, that you need additional CX tape readers, we can easily install them.

Or add more BRPE punches on the output side of the computer. And offer an allotting system that eliminates the tape handling problems of the torn tape system if that is what you want.

Or let the computer control up to 6 linecasters directly.

Or increase the possible combinations of line measure, type size and font to as many as 64.

THINKING PHOTO COMPOSITION?

You'll find that the PDP-8 system is ideal for the changeover to photo type.

It has the speed (uninhibited by other equipment, it can hit 500 lines per **second**); it has the program capability; and it offers high-speed magnetic tape that can call out any combination of measure, font or type size your photo composition equipment can deliver.

And Digital will help you utilize this versatility with PDP-8 programs that let you set type for display advertising, or even for magazines and books — pagination, captions, footnotes and all.

EASY TO OPERATE . . . EASY TO MAINTAIN

Normal touch typing skills are about all a keyboard operator needs for the PDP-8 system.

Format is established with the simplest of possible commands. Simply typing one number sets the measure, type size and font. This format will continue automatically until the operator calls for a new one.

Two or three keystrokes specify a change to lower magazine or upper magazine in linecasters with magazine mixing capability.

Operators can quad left, right or center with only two strokes. If automatic quadding is on the linecasting machine, the program will simply punch the appropriate code on the tape. Or if not, the program calculates the appropriate spaces and puts the space codes on the tape. If your present keyboards already have quad keys, they may be used to accomplish the same job.

Maintenance is equally simple and straightforward. Digital's excellent service department offers a variety of customer service contracts, and a one-week maintenance course for your own personnel.

HEART OF THE PDP-8 TYPESETTING SYSTEM IS THE AMAZING PDP-8 COMPUTER

At 1½ μsec. cycle time, the Digital PDP-8 is one of the fastest computers in the world.

Its 4096 words of magnetic core memory give you all the rules you need for justification and regular hyphenation. Plus and exception dictionary of 200 words and a choice of up to 16 combinations of measure, type font and size.

PDP-8's reserve power and many input/output channels give you open-ended expandability. You can increase the core memory. Incorporate drum or low cost DEC tape memory. Attach more readers or punches. And step up the capability and capacity of your typesetting system as experience and growing workloads suggest.

FAMOUS AS A GENERAL-PURPOSE COMPUTER

The PDP-8 enjoys a superb reputation wherever computers are used. The nation's outstanding research institutions have ordered over 175 to date.

Yet withal, the PDP-8 is far and away the lowest priced computer of comparable quality.

What's the secret? Mainly this. Digital Equipment Corporation is the nation's No. 1 source of modules — the miniaturized electronic circuits that serve computers as gears and cogwheels serve a fine watch.

Digital's automated mass production facilities have drastically lowered both the cost of modules and of the computers we make with them.

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