

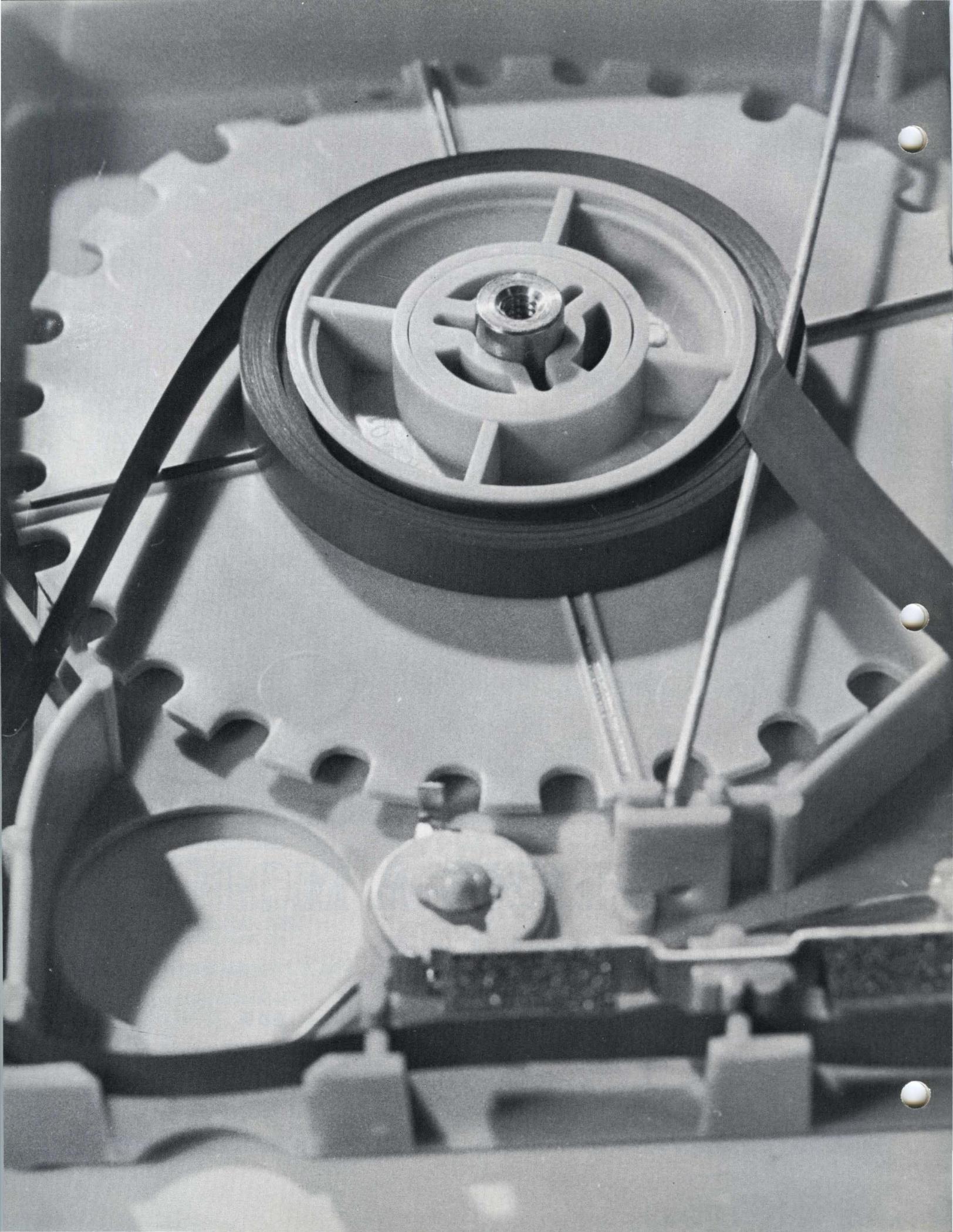


# STILL RUNNING A MODEL T?

THE  
**TENNECOMP**  
TP-1351  
MAGNETIC TAPE UNIT

FOR A DEMONSTRATION, DROP IN  
AT OUR HOSPITALITY SUITE IN  
ROOM 604 OF THE JACK TAR  
HOTEL FROM 7 TO 10 P.M. ON  
DEC. 12 OR 13.

WILL MAKE YOUR PDP-8 OR PDP-8/S "TIN LIZZIE" INTO A LIMOUSINE . . .



The TENNECOMP TP-1351  
MAGNETIC TAPE STORAGE UNIT

**ELIMINATES** most paper tape input/output operations.

**USES** low-cost, easily stored tape cartridges for storage of programs and data.

**ACCESSES** any program in 30 seconds or less .

**PERMITS** high speed dumping of experimental data for later processing . . . Programs for editing and assembly with I/O from mag. tape are supplied.

**MAKES** program editing and assembly from 10 to 100 times faster .

**INCLUDES** everything you need to get going including FLIP CHIP interface to mate perfectly with your DEC Computer.

**ALLOWS** completely automatic one-button (or remote) loading and starting of a complete program, when used in conjunction with the TENNECOMP TP-1346 Automatic Loader.

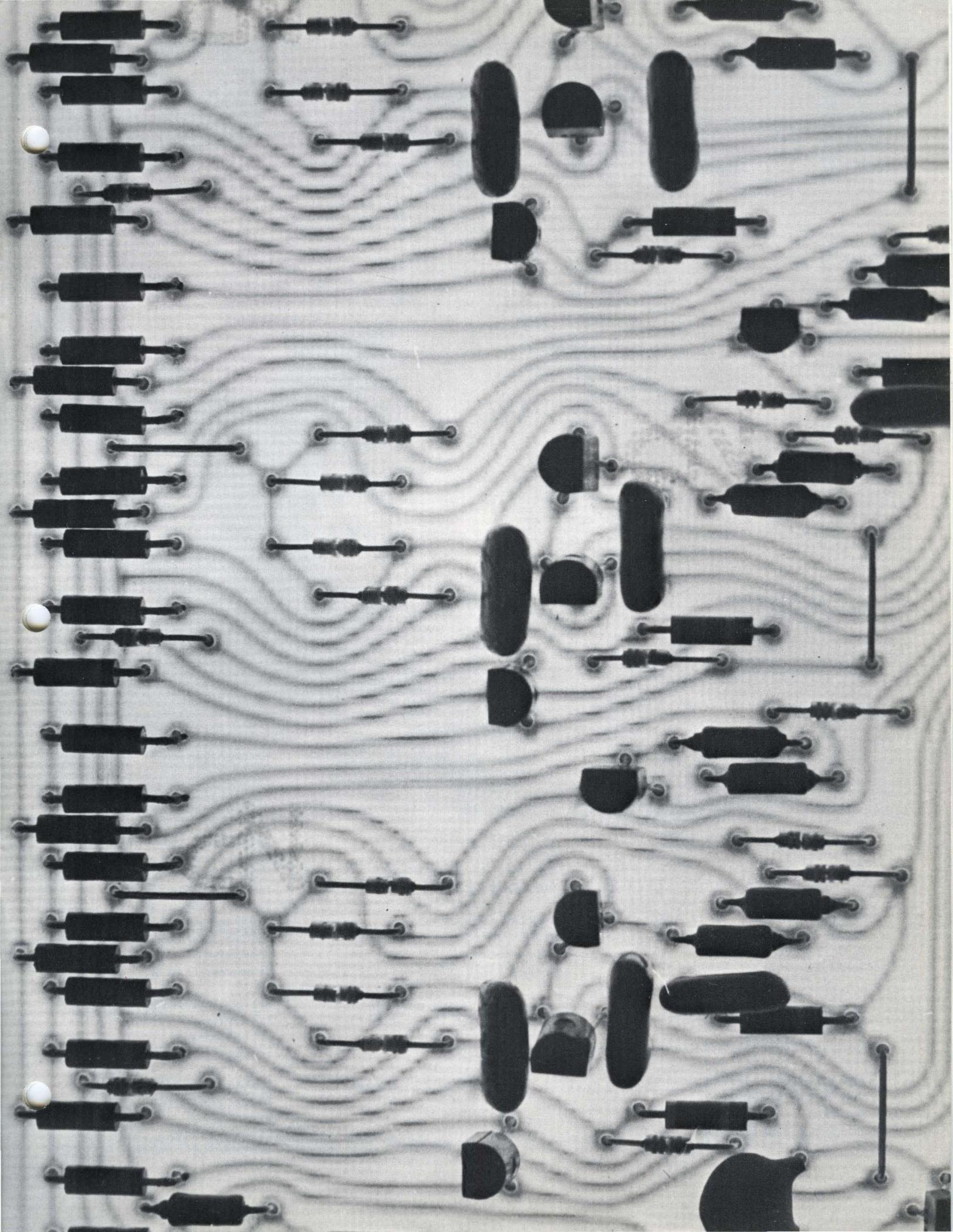
**INSTALLS** on any PDP-8, PDP-8/S, or PDP-8/I in less than an hour. Use the TP-1351 the same morning it arrives.

Henry's old Model T was quite a car --  
Got America off its front porch rockers  
and out to see the world, in fact.

Folks didn't own one long, however,  
before they discovered that additions  
made life a lot happier . . . A Self  
Starter, a Heater, Windshield Wipers --  
Stuff like that - - - -

If you're still chugging along with slow  
paper tape input/output and program  
storage with your PDP-8 or PDP-8/S,  
TENNECOMP's new TP-1351 Mag Tape  
Unit can make your life happier too . . .  
at a cost which breaks the two thousand  
dollar price barrier by relying on the  
processor for most of its logic functions.

FLIP CHIP is a trademark of Digital Equipment  
Corporation, Maynard, Mass.



# TENNECOMP INC.

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Telephone: 22 55 89

#### 112 39 STOCKHOLM, SWEDEN

A B Chemetal  
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#### MUNCHEN, WEST GERMANY

Wenzel Elektronik  
8 Munchen 27  
Lamontstrasse 32  
Telephone: 0811 Munchen 48 65 58

TENNECOMP TP-135I MAGNETIC TAPE STORAGE UNIT

Small computer systems have commonly been limited by their input/output facilities. Input/output through paper tape is cumbersome, and it greatly slows program editing, correction, and assembly. Previously, the cost of computer quality magnetic tape equipment has put it out of reach of many users. The TENNECOMP TP-135I is a computer quality tape transport which breaks the price barrier by use of 1/4 inch continuous-loop tape and by relying on the computer for as many logic functions as possible.

The TP-135I provides four main capabilities:

- \* Storage of an unlimited number of programs with access to any program in less than 30 seconds.
- \* Replacement of paper tape operations in carrying out standard operations with EDIT-8, PAL-III, and other systems programs.
- \* Accumulation of data or storage of data for later processing.
- \* Completely automatic "one-button" loading and starting of a program (in conjunction with the TP-1346 Automatic Loader).

The TENNECOMP-135I is a read/write magnetic tape transport and control for the PDP-8/S, PDP-8, or PDP-8/I computers. It was inspired by a device developed by J. J. H. Park of the National Research Council of Canada, with additional features added.

- \* **MAGNETIC TAPE FORMAT** Four track 1/4" magnetic tape in a continuous self-contained tape cartridge. Cartridges can be loaded or unloaded in less than 5 seconds. Tape is enclosed in transparent plastic affording protection from dust, tearing, and marring.
- \* **RECORDING FORMAT** Bit serial in a single track. Since only one track is used at a time, track-to-track skew (the major cause of tape errors) is eliminated and high reliability results. A switch is provided to select desired track.
- \* **SOFTWARE** Read and Write programs are provided for the PDP-8/S, PDP-8, PDP-8/I. Because of difference in execution speed, a different program is required for the PDP-8/S.
- \* **CAPACITY** Four program segments of up to 31 pages in length may be stored on one 15-foot cartridge. Up to 300-foot cartridges may be used for storage of data.
- \* **SPEED** Tape speed is 7 1/2 inches per second. Reading time is approximately 200 words/second.
- \* **ELECTRONICS** Read electronics are feedback controlled D. C. coupled for excellent time and temperature stability. Write electronics are file protected to prevent accidental writing over permanent programs.
- \* **INTERCHANGEABILITY** Tapes recorded on a PDP-8 or PDP-8/I may be used on any other PDP-8 or PDP-8/I. Tapes recorded on a PDP-8/S may require adjustment of the processor clocks of the two machines to within 5% for compatibility.
- \* **CONTROLS** Four position track select switch. Test mode switch. File protect indicator.
- \* **MOUNTING** Mounts in standard 19-inch relay rack. Transport requires 7 inches rack height. Control requires 5 1/4 inches of rack height.
- \* **POWER REQUIREMENTS**

115 ± 10 volts, 60 ± 1/2 Hz, 100 watts	}	Standard DEC voltages
+ 10 volts            100 mA		
- 15 volts            600 mA		
- \* **ORDERING INFORMATION** Six ribbon cables (4 feet long) with WO21 connectors for "daisy-chaining" to computer I/O bus are supplied. The transport is also available for 220 volt, 50 Hz operation.