INTEROFFICE MORANDUM

TO: All District Managers

FROM: Jerry Grady

DATE: October 23, 1980

I have come up with the following notes as a possible addendum to the installation guide for the Yariable Disk Upgrade kit. These notes were compiled from my experiences with the upgrade kit. If you or any of our customers have comments or suggestions, please refer the comments to me for possible inclusion in an update of the documentation.

HARDWARE:

The following tools should be available to perform the upgrade

1 #2 phillips screwdriver
1 needle nose pliers
1 wire cutter
1 wire stripper
1 soldering iron
1 wire wrap tool or gun

When removing the screws on the right side of the disk drive, be very careful not to drop anything (i.e. screw or washer) behind the power supply. If this does happen, you must remove 6 screws and carefully pull the power supply board out and away from the chassis to retrieve the dropped item.

When installing the EIB on the back of the chassis, both cables must be folded back to be inserted into the cabinet.

The resistor pack from the old EIB should be used on the new EIB. Be extremely careful when removing the pack. Do not break any of the pins and straighten any that are bent. Pin 1 is marked on the EIB and pack. Match them up.

The hardware upgrade will take about 45 minutes to an hour for someone who is inexperienced with TERAK hardware and can read. For each unit after that 30 minutes is probably a reasonable estimate.

SOFTWARE::

Be sure that the first attempted upgrade of the Variable density software is made to a copy of a working diskette. Be sure the upgrade software agrees with the users software, i.e. Version 1.5, Version 2.0 and RT-11 V3B are all on different diskettes.

To move software on single density diskettes to dual density diskettes, the dual-density diskettes must be formatted and then using the Filer, under UCSD O/S, the directory of the dual density diskette must be zeroed and labeled. Then files may be copied one at a time (or with a wild card transfer) to the dual density diskette. Do not do a device copy, i.e T)ransfer #4:, #5:.

Using the Filer under the UCSD O/S, do an E)xtended listing of the files on the diskette to which the SYSTEM.8510.QB was copied. If any of the files SYSTEM.8510.QB, SYSTEM.8510.QX, or SYSTEM.8510.QX is past block 400, it is possible that the system will not boot. Under the 1.5 O/S you must delete files and K)runch the diskette until the the appropriate SYSTEM file is above block 400. Under 2.0, first K)runch the diskette specifying that the free space should be at the beginning of the diskette. Then T)ransfer SYSTEM.8510.QB to that diskette.

This software upgrade must be performed on all bootable diskettes.

If there is any likelyhood that the diskettes will be used on both a QX and a QB system, SYSTEM.8510.QX and SYSTEM.8510.QB should both be on the diskettes. Q2BOOT should be installed as the bootstrap.

Under the instructions for converting UCSD diskettes to variable density, the user should note that he must Q)uit the Filer after the file T)ransfers and before eX)ecuting BOOTER. (I.e. page 5, step 4a, or page 5, step 10a)