

Kurzweil

11/11/84

- Power Up - push two buttons on the side
one that stays in is on/off; other is power
- d for disk; f for floppy (usually d unless new
software is being)
- Brings up menu; Date is mandatory
Time/Name Mandatory
- Gives menu
 - Scanning
 - Commun
 - * - Filing
 - Utilities
 - }

* Filing

- Copy
- Delete
- Type out
- }

= toggle for choices

#1 = Ascii/EBCDIC

List files j (top of keyboard)

Cancel to get rid of it

- In scan mode don't use

Cancel; use End Job key

- Floppies preceded by FLPR: File name

- Can copy disk-to-disk
floppy-to-disk
floppy-to floppy
for disk do not precede with FIPU:

- Number of pages to skip

- In scanning a "save" to old version will append new stuff to old, e.g. create a new overwritten file

Utilities

- Library floppy - stored offline
- System error floppies * should be onhand at all times.
 - Can't do them after the fact
 - ~~Task error floppy~~ Type reset button & type "f"
 - Send to Tina and she will analyze
 - Give ideas what you were doing
 - what you thought was happening, etc. ^{Give} File type.
 - Disk crashes can be noticed by the way they get more & more frequent ("gets tired")
 - Need error log for machine 800-343-0311 (Tina's #)

6000 chars = ? 10 meg of memory total
disk page:

To see who has done what

In utilities, type a file then do

- KDELOG - will give you complete log of who logged in, or out
- Print out periodically & delete as it takes up space.

Backup - Full or Incremental
Can create

Help key - can be used for any menu #
or at any time

- Install - doesn't erase disk; ^{installs over} existing files
- Rebuild - erases whole disk & rebuilds
^{identifies} ~~gets rid of~~ bad blocks 45 mins
- do in case of disk problems

* Always logout at end of session
Always logout after reset (system will make you do this)

- To reset, push right-most white button
on disk will get

O! then type

d ~~reset~~ (for disk) - will then ^{reset} disk

- Cancel takes you out of menu to ~~the~~ previous menu item; undoes cancels typed

Codes & Methods of Training (the machine)

- Take a couple of "hard" pages out of document for training
- no more than 24pt, no less than 6pt (doesn't do well on these extremes)

Mode - Answers the question When ^{top or bottom of 4 lines} are characters added to the training set?

A. Manual mode

- Training occurs on bottom line
- used when you have more than two fonts
- used with badly degraded copy
- use Accept key at the end of each line
- makes little or no assumption about characters
- allows more operator control
- slower more meticulous training
- scans along with the operator
- ★ - can start in manual then switch to automatic [suggested strategy for beginning "learning"]
- only care about char. recognition / not context for training; so if you have a blippy bad image; delete them ^{once or twice} so system ^{reoccurring} does not learn bad stuff; if it keeps ^{can train on} it then there are no pages or text - just characters

' Then Scanning, do "Show forward" to move ahead

T T 1. S T R E E T NO.

* E thinks E is an "A" so type over ^{one}

Type "Accept" to accept ~~E~~ lines and go ~~E~~ more forward

** Very important to train system correctly or else it will be painful to use training set

go back and change

- Can't, corrections in training set

- You can highlight any char ~~for~~ by using 'show' command even if system doesn't highlight char. If system will not show char, system has 98% confidence char is right

- If training set is "painful", throw it out & start over

* For small docs can save doc & training set together (change doc as training set is created).

* Can "train" on any char during doc entry

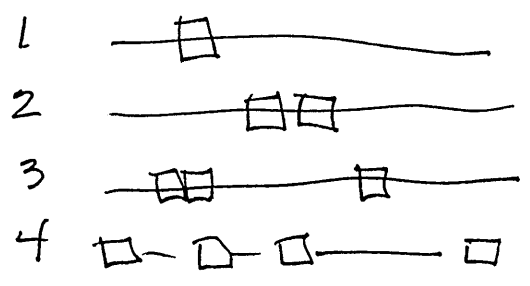
* If it is taking longer to train & enter than to key in - use this as decision to key in instead of using opt-scan.

- Set menu key lets you change system parameters already set (with filters, MPD tables, black & white filters, etc.)

Moose)? When?

3) Automatic

- training occurs as top line scrolls off screen
- when text not visible it has become part of training set
- generates more MPDs (makes moos) (assumptions) (multi property descriptors; units of knowledge)
- Allows more operator mobility
- Used with 2 fonts or less
- Used with good quality copy
- Scans far ahead of operator
 - fills text buffer & doesn't stop til buffer is full
- Use Show → key



Can go back & forth in ~~training~~ 4 lines; until all 4 lines scroll off then it is in training set

Limit 400 MPDs/training sets

Will not now handle graphics

Hope to do this soon.

- Can delete a char. out of input buffer but this is not effective until all the buffer is accepted (e.g., if 6 pages are in buffer & you delete a char which is always wrong for operator intervention, doesn't count until line 7 ^{comes} up
scanner → ^{input} buffer → op. intervention → disk

Method What is added to training set?

A.) Character - only those chars/interventions are added through operator intervention
- in automatic characters only highlighted chars are chosen for training set

B.) Line - all characters ^{which} ~~which~~ have pictures, ^{whether} ~~if~~ highlighted or not are entered into training set

- * - When using auto line, should be using very good quality copy to use this method
- auto line creates the most MPDs; make more assumptions
- use manual for large doc; take time on training set

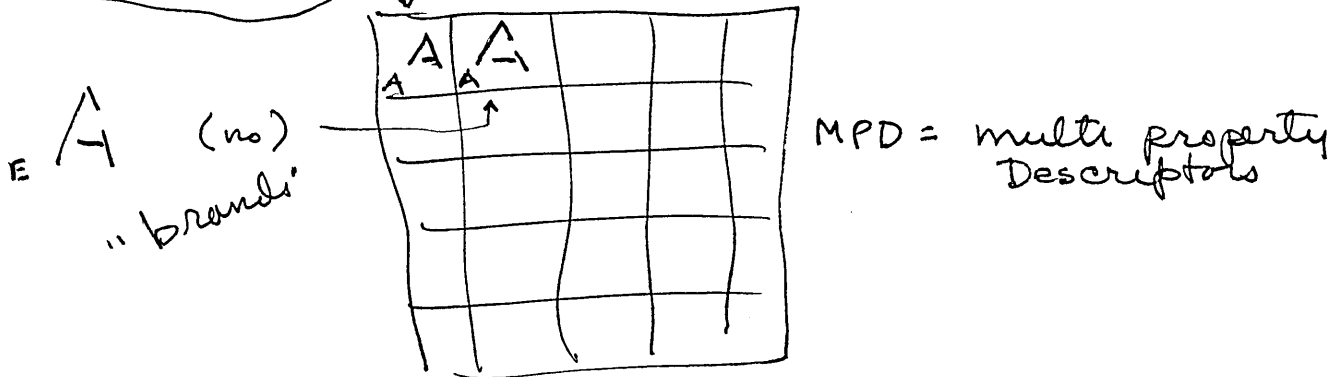
* are converting System to L language

* - won't scan dot matrix; make a copy on copier to fuse dots

'1FR - multifont recognizer

Generic name for char AAAA has several possibilities for a given char

A ~~A~~ can't recognize missing spot
takes incomplete "A" and sends it to MPD as
a "brand" of A



- eventually tries to merge brands which frees up MPDs for reuse

Training Set

- text ambiguity set must be ~~write~~ right
- Use side "Keypad" for training set
- " " comes out quotation quotation apostrophe, apostrophe

To Scan

put on scanner in the corner facing white buttons; leave space around page

If unusual font starts page, flag it right away, otherwise system thinks the unusual font is the page font.

- Camera will not pick up reds (or any non-carbon-based paint or ink)

- Automatic page flip ; used for bound docs
- Page number & page # increment (1, usually)
 - lets you do odd pages and even pages separately

Scroll good - lets you scroll info very fast (3 sec.) intervals; keeps scrolling and doesn't stop unless confidence level is less than 60%; always used with training off.

- used for doc you just want to enter & will edit later

- Can load different training set but need to save the one you are creating, if any.

- Can use multiple "cancels" to step back thru commands

- Get menu lets you look at other commands; can see other training sessions; left out chars.

'UNDO' is the "miracle" key; can undo anything except deletes

"Accept" allows you to append two training sets.

- System will not allow you to exceed 402 MPDs - will warn you

When scanning a doc & you want to add something to training set

Hit train image key, type over, show forward

Output to screen not same as Type to screen

↑ - one shows unformatted
- other shows formatting

If you give file a new name will just keep what has just been edited

If you give file old file name will append just edited pages to the end of file @ same name (don't overwrite; just add to)

- New visual editor will let you edit the final formatted document; will be able to move screen left & right, up & down (also word processor) for lines longer than 80 chars; can address words; can fill full screen to edit

- REDIT to load file back (copy of it) to see same file ^{unselected} ~~same~~ highlights to allow you to scan further for errors.
 - can't show
 - can't train
 - just edit

- Noel ~~Coletti~~ Coletti (product mgr)

To copy a file to DEC

- Login
- Copy from TTY47: <ESC> FILENAME
TTY47: ≡ newFILENAME

TAB test ambiguity

- Go into Scan

- Get menu

~~Access~~ & Calibrate Tablet

[point to corner of tablet]

- Point out text c stylus

- Do "End of Page" with stylus when finished

- End creation

- Turn tablet off

- Accept m

- Go into scan mode &

Scan document

- Use Double-sided, double-density floppy disks