

Hardware:

- Bigger Disks
- Faster local IFSSs
- Color display
- Sell better peripherals
  - Laser writer
  - better file server
  - SCSI
- Labelless Disks
- Streaming Tape

Documentation:

- Updated and online doc
- Improved documents
- Consistent paradigm for writing documents (IM formatting replacement)
- Make system easy to learn

Window system / User interface:

- Interruptable pop-up Menus
- TIP tables
- Remote Windows
- Faster text display
- Imager
- Image Streams
  - clean up code
  - collapse common code
  - add clipping
- Rethink & overhaul Image Objects
- Loopsified window system
- Consistent look & feel (window UI and commands)
  - User interface as consistent as Viewpoint or Macintosh
  - Same keying or mousing gets same op everywhere
- Cheap, Pervasive Text (TTYIN replacement)
- Symbol ESC completion on type-in

Programming Environment:

- Same machine low-level debugger
- Source level debugger
- Good stepper
- NS based Teleraid
- Teleraid and CL stack ops
  - revert
  - return from
- Teleraid Inspect
- Interactive Interface to File manager
- Better File Browser
- Definition groups
- Extensible SEdit
- Programmers Interface to SEdit
- More Common Lisp integration

Higher level language features:

- Unification
- Single, Common prettyprinter
- Fast prettyprinter
- Path name cleanup
  - use pathnames all the way down
  - get SAME object always for same file
- Single Compiler
- Decouple DWIM - CLISP
- Fast sequence functions
- Ropes

System building and installation:

- Non-Dorado loadups
- FASL in the init
- Packages in the init
- Common Lisp primacy, eg in the init
- State saving smaller than sysout-sized
- Revamp software installation process
  - better user interface
  - written in Lisp, not Mesa
  - FAST
  - include error Recovery

Language kernel:

- Big Reference counts w/microcode support
- Full GC (circular objects)
- Get arith to IEEE compliance
- GCable Symbols

- Unboxed floating point compler
- Finalization of GCed objects
- Smaller base sysout
- More Common Lisp microcode, eg EVAL
- Common Loops IN the system

#### Operating system:

- Pre-emptive scheduler
- Non-consing Synchronizers (monitorlocks)

#### Device drivers:

- SNA networking
- Floppy speed
- Improve local disk speed
- Real Subdirectories
- Support File Cacher
- Reliable TCP & RS232
- Run in XNS only world
- Run in Stand Alone World
- Sun NFS support
- XNS over phone lines

#### Applications:

- Video Image Manipulation
- Bitmap Editor as good as MacPaint
- Mail support for
  - X.400
  - SMTP
- Release Lafite
- Lisp based File Server
- 3270 terminal emulator
- Good 3rd party software development path
- Database
- Spreadsheet
- AR category clean up
- Programming system Management Tools
- Adobe Tools
- Notecards
- TEdit
  - Footnotes
  - Index
  - toc
  - egns
  - styles
  - LPT output
  - change masks
  - better than Tex
  - WYSIWG Page mode
  - DES/DIS/DIF/VP convert
- Easier Landscape Printing
- YACC and such
- C, Fortran, Pascal, Cobol

#### Work environment:

- Work at Home
- Better design process