APPENDIX C. INITIALIZATION FILES

Once your system administrator has installed the NoteCards software on your Sun, you can customize your NoteCards environment. The initialization file allows you to specalize your NoteCards environment to the idiosyncracies of your individual site. This file is automatically loaded when you start a fresh sysout.

Site Initialization File

When NoteCards starts, it reads in a site initialization file. This file sets things like the pointer to fonts, printers, and other site-specific parameters.

Locating the Initialization File

When running under SunOS, NoteCards looks for a site initialization file in a number of locations.

LDEINIT
If the UNIX environment variable `LDEINIT` is set to a complete NoteCards file name, NoteCards looks there first for the site initialization file:

```
prompt% setenv LDEINIT /users/smith/site-init.lisp
```

- or -

```
prompt% setenv LDEINIT /users/smith/nc-init
```

/usr/local/lde/site-init.lisp
If `LDEINIT` is not set or there is no file with the name given, NoteCards looks for a site initialization file called `/usr/local/lde/site-init.lisp`. The distribution tape contains a standard site initialization file in the NoteCards lisp directory `/usr/local/lde/lisp/init.NoteCards` which is linked to `/usr/local/lde/site-init.lisp`. You or your system administrator should customize `this file` for your site. The comments below and in the standard `site-init.lisp` describe the parameters it sets and gives some guidelines for customizing it to your local conditions.

{DSK}INIT.LISP
NoteCards looks for a site initialization file on your NoteCards home directory (`{DSK}`). Chapter 4, System Use Issues, describes the `{DSK}` device.

Finally, to load an initialization file after you have been working in a sysout , FileBrowse the directory the initialization file is in, select the file with the left mouse button, and select the **Load** option. The file will load and reset all of the initialization variables.
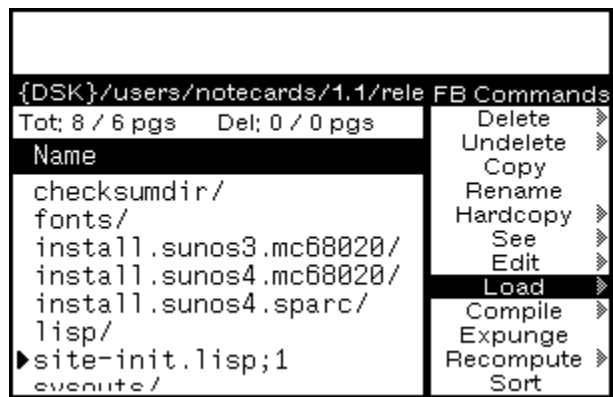
Figure C-1. A FileBrowser loading an initialization file.

Initialization File Structure

The structure of each command in the initialization file is as follows:

(SETQ *variable-name value***)**

Each command must appear between parentheses. There must always be an even number of parentheses. Every open parenthesis must have a corresponding close parenthesis. SETQ is the assignment command. The variable name is always a single word, and the value is usually either a single word preceded by a single quote mark (') or a list of words enclosed in parentheses preceded by a single quote mark.

The initialization file must always start with two specific lines. The first line must be a comment line, indicated by starting the line with a semicolon (;). The second line must contain the command (CL:IN-PACKAGE "INTERLISP").

Site Variables

The following NoteCards variables should be set in your site initialization file.

LISPUSERSDIRECTORIES The list of paths to search for library files. Every path in this list should also be in DIRECTORIES.

```
(SETQ LISPUSERSDIRECTORIES
  '("{DSK}/usr/local/lde/lispusers/"
    "{DSK}/usr/local/lde/lisplibrary/"))
```

Note that each directory name is a string enclosed in double quotes ("). Unless you are a developer who is modifying NoteCards, there will probably never be any reason to change these values.   You only need to change the value for this variable if you move the files in these directories to some other location, such as a central fileserver.

DIRECTORIES The list of paths to search for files that are not found in the current NoteCards connected directory. The current NoteCards connected

directory is distinct from the current UNIX connected directory, and NoteCards will not necessarily search for files in the UNIX connected directory.

```
(SETQ DIRECTORIES (COPYALL LISPUSERSDIRECTORIES))
```

Note that there is *no* quote mark (') before the parenthesis in front of COPYALL. If you set DIRECTORIES in this fashion, this command must follow the one which sets LISPUSERSDIRECTORIES.

You can also simply copy the directories from LISPUSERSDIRECTORIES, e.g.

```
(SETQ DIRECTORIES
  '("{DSK}/usr/local/lde/lispusers/"
    "{DSK}/usr/local/lde/lisplibrary/"))
```

Unless you are a developer who is modifying NoteCards, there will probably never be any reason to change these values.

DISPLAYFONTDIRECTORIES   A list of directories to search when the system is looking for display fonts. The site initialization file should set DISPLAYFONTDIRECTORIES to a list of of path names where each path name is represented as a string in double-quotes ("), e.g.,

```
(SETQ DISPLAYFONTDIRECTORIES
 '("{DSK}/usr/local/lde/fonts/display/presentation/"
   "{DSK}/usr/local/lde/fonts/display/publishing/"
   "{DSK}/usr/local/lde/fonts/display/printwheel/"
   "{DSK}/usr/local/lde/fonts/display/miscellaneous/"
   "{DSK}/usr/local/lde/fonts/display/jis1/"
   "{DSK}/usr/local/lde/fonts/display/jis2/"
   "{DSK}/usr/local/lde/fonts/display/chinese/"))
```

If you remove the Chinese and Japanese fonts from the font directories it is not necessary to edit this variable to reflect the change.

You only need to change the value for this variable if you move the fonts to some other location, such as a central fileserver. If you do change the value for this variable, note that each location is represented as a double quoted string and that each path name must end with a slash (/).

INTERPRESSFONTDIRECTORIES   A list of directories for the system to search for Interpress font widths files. The site initialization file should set INTERPRESSFONTDIRECTORIES to a list of of path names where each path name is represented as a string in double-quotes ("), e.g.,

```
(SETQ INTERPRESSFONTDIRECTORIES
 '("{DSK}/usr/local/lde/fonts/interpress/presentation/"
   "{DSK}/usr/local/lde/fonts/interpress/publishing/"
   "{DSK}/usr/local/lde/fonts/interpress/printwheel/"
   "{DSK}/usr/local/lde/fonts/interpress/miscellaneous/"
   "{DSK}/usr/local/lde/fonts/interpress/jis1/"
   "{DSK}/usr/local/lde/fonts/interpress/jis2/"
```

```
"{DSK}/usr/local/lde/fonts/interpress/chinese/"))
```

If you remove the Chinese and Japanese fonts from the interpress font directories it is not necessary to edit this variable to reflect the change.

You only need to change the value for this variable if you move the interpress fonts to some other location, such as a central fileserver. If you do change the value for this variable, note that each location is represented as a double quoted string and that the lowest subdirectory name in each path must end with a slash (/).

POSTSCRIPTFONTDIRECTORIES   The list containing the name of the PostScript font width files, for PostScript printers.

```
(SETQ POSTSCRIPTFONTDIRECTORIES
    '("{DSK}/usr/local/lde/fonts/postscript/"))
```

You only need to change the value for this variable if you move the PostScript fonts to some other location, such as a central fileserver. If you do change the value for this variable, note that the location is represented as a double quoted string and that the lowest subdirectory name in the path must end with a slash (/).

USERGREETFILES   The list of places to search for personal initialization files. If not set in the site initialization file, no personal initialization file is used. The list should be similar to the following

```
(SETQ USERGREETFILES
    '(("{DSK}~/lde/INIT.LISP") ("{DSK}~/INIT.LISP")))
```

This will search for the file INIT.LISP in your home directory and in the subdirectory lde immediately under your home directory. The file INIT.LISP can be renamed to what ever you want it to be, but it has to be a name which is used by all users of the NoteCards system.

Unless you are a developer who is modifying NoteCards, there will probably never be any reason to change these values or use user greet files.

DEFAULTOSTYPE   Specifies the default operating system type for file servers.

```
(SETQ DEFAULTOSTYPE 'UNIX)
```

Unless you are using other than Sun NFS (Network File System) servers there is no reason to change the value of this variable.

DEFAULTPRINTINGHOST   A list of names of default printers.

```
(SETQ DEFAULTPRINTINGHOST NIL)
```

NIL is the default setting and signifies that there are no default printers specified. This variable can also be set from the **Set Default Printer** background menu option, (see Chapter 16, Printing).

The following example shows how to set DEFAULTPRINTINGHOST to a mixed list of PostScript and Interpress printers.

```
(SETQ DEFAULTPRINTINGHOST
```

```
                                    '(MAUI |Tremor:mv:envos|))
```

- or -

```
(SETQ DEFAULTPRINTINGHOST
      '(MAUI "Tremor:mv:envos"))
```

`MAUI` is the name of a PostScript printer, `|Tremor:mv:envos|` the name of an interpress printer. Each interpress printer name must be surrounded by vertical bars (|) or double quotes (").

DEFAULTPRINTERTYPE   The default printer type for all the available printers.

```
(SETQ DEFAULTPRINTERTYPE NIL)
```

Possible values are `'POSTSCRIPT`, `'INTERPRESS`, and `NIL` meaning unspecified. Note that `'POSTSCRIPT and 'INTERPRESS` are all preceded by single quote marks ('), but that `NIL` is not.

If all your printers are PostScript printers you would make the following setting.

```
(SETQ DEFAULTPRINTERTYPE 'POSTSCRIPT)
```

If all your printers are not of the same type set `DEFAULTPRINTERTYPE` to `NIL`, and add the following command for each printer.

(PUTPROP *'Printer-Name* **'PRINTERTYPE** *'Type***)**

Where *'Printer-Name* is the name of the printer and *'Type* is one of `'POSTSCRIPT`, `'INTERPRESS`, or `'PRESS`, for example.

```
(PUTPROP 'MAUI 'PRINTERTYPE 'POSTSCRIPT)
```

```
(PUTPROP '|Tremor:mv:envos| 'PRINTERTYPE 'INTERPRESS)
```

IDLE.PROFILE   The lines below set the `IDLE.PROFILE` such that any user with a valid UNIX login is allowed to exit idle mode.

```
(LISTPUT IDLE.PROFILE 'AUTHENTICATE 'UNIX)
```

The value of `AUTHENTICATE` determines what mechanism is used to check passwords. If `'UNIX`, it checks your password with SunOS. If T, it uses the NS authentication protocol (this requires the presence of an NS Authenticatioin server accessible via the network). If `NIL`, the password is not checked at all--any password is accepted. The latter is only useful if `ALLOWED.LOGINS` contains `*`.

```
(LISTPUT IDLE.PROFILE 'ALLOWED.LOGINS '(*))
```

The value of `ALLOWED.LOGINS` determines who is allowed to exit idle mode. If the value is `NIL` no login is required at all to exit idle mode. If the value is `'(*)`, the system requires a login but lets anyone exit idle mode.

```
(LISTPUT IDLE.PROFILE 'SAVEVM NIL)
```

This line sets the `IDLE.PROFILE` such that NoteCards does not save the virtual memory file to disk when it enters idle mode. To

have NoteCards automatically save the virtual memory file to disk when it enters idle mode, replace NIL in the line above with T.

\\BeginDST The day of the year on or before which Daylight Savings Time takes effect (i.e., the Sunday on or immediately preceding this day). Must be set to 98 in the USA if NoteCards is to perform time computations correctly. (Note: This number is subject to future Congressional legislation.)   If you are in a region where Daylight Savings Time is not observed, use the value 367.

`(SETQ |\\BeginDST| 98)`

\\EndDST The day of the year on or before which Daylight Savings Time ends. Must be set to 305 in the USA.

`(SETQ |\\EndDST| 305)`

XCL:*LONG-SITE-NAME* A long version of your company's name, for example, "Envos Corporation."

`(SETQ XCL:*LONG-SITE-NAME* "Envos Corporation")`

XCL:*SHORT-SITE-NAME* A short version of your Company's name, for example, "Envos."

`(SETQ XCL:*SHORT-SITE-NAME* "Envos")`

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