

'MacDUAL-WAY'

Known Imperfection of the Program.

After a few revisions, now it works fairly well. Since there is an architectural difference between OS7/8/9 and OSX, two versions are posted up front for a while. For OSX users, please refer to OSX note at the bottom.

Mechanisms of "Macintosh Programmer's Workshop - Golden Master, MPW-GM":

This is a great Shell (a kind of Application Program which accepts a command line), and runs so well at all versions of Mac OS. This MPW Shell plays two major roles here with MacDualWay: to make contents catalogs, and to change Signature of report files to be openable by double-clicks.

Break down of a basic command line which makes a catalog of contents:

```
Files -l -r "scanning_folder_name"
```

= **Files** (makes **Files** and folders catalog) **-l** (in **l**ong report format) **-r** (**r**ecursively include all sub-folders)

```
Files ... > "Output_location_and_its_file_name"
```

= > (and please '>' **redirect** the output catalog to the following location as the file name designated.)

MPW-Shell accepts command as a case insensitive way. So, Files; files; FILES, all works the same way. However, MacDualWay "3_MPWBatch" doesn't work well in case insensitive manner, so please carefully type your Macintosh name, your working folder names, ZIP disk names in case sensitive manner, all without Blank space, and no special character such as "/", which causes an error in MPW Shell.

To execute command lines which are copied and pasted into MPW, there is three ways to do: (1) Press the right-most [enter]-key; (2) Holding down the [Apple-Command]-key + regular [return]-key; (3) Click status bar whose default said "MPW Shell" in upper left side. In the program, just option (1) is stated.

Break down of basic command line for Signature Stamp change:

```
SetFile -c ttxt "target_file_name"
```

= **SetFile** (**set**s the **File** Association Signature to) **-c** (**C**reator stamp as) **ttxt** (SimpleText)

All Macintosh files have own Signature stamps in a hidden catalog by 4 bytes of Type and 4 bytes of Creator. The four bytes "**ttxt**" is the Apple reserved Creator stamp for SimpleText file. It is better not to change in most cases, but as for a text file such as in this case of MacDualWay, to change a Creator stamp as SimpleText is convenient, then the change makes double-clicks work. (It is more better, if files are outputted as SimpleText when are written. But, unfortunately, TuneFind's programmer(s) couldn't figure that way out yet.) So please stick the manual Creator Stamp change for this moment.

General Note:

StuffIt Error:

The MacDaulWay used StuffIt version 6. An older Macintosh which doesn't have a registered version StuffIt may have a trouble to UnStuff it. In this case, try a newer Macintosh at Public/Community place, or purchase your own at "www.allume.com / www.stuffit.com" (formerly "www.aladdinsys.com"), (831)-761-6200; currently version is 7 or later.

Adjustment of Scanning Folders in "Header" file:

When certain folder gets an error during making catalogs and stop there, one easy way to fix this is to erase that folder name from "Header" file. Then later on examine that skipped folder manually.

Running MPW Shell commands:

When you have a difference in folder names in ZIP disk and Shadow copy on the Hard Disk (SDW), MPW Shell tells you about by red letter note. So adjust them or re-copy accordingly.

Watch at the end of DIFF report:

By the brief testing, it overly reports when an insertion of one miscellaneous line occurs neat at the top of one catalog file, since all the following lines are reported due to the one line shift. But you can have a quick glance when watch at the end of "DIFF" report. When the report ends at interweaving SDW and ZIP, they have the same number of folders and files, so likely they are the same but reported by the miscellaneous one line shift. While, either one (SDW, ZIP) are reported multiple times at the end, that suggests deletion or addition of folder or files.

OSX Note:

"Header" file note: "TextEdit" is found at: Finder -> Go -> Application (once you find it, it is convenient to bring it to the bottom menu-bar. No need to make an alias. Just drag it there.) Use this "TextEdit" to make "Header" or "Header.Txt" file, and save it as Plain Text.

"Batch" file note by "3_MPWBatch": Regarding Absolute Path Name of the folder, when your OSX Macintosh is on the Local Area Network (LAN), the absolute path name could be extremely long. You can find it at: at first click the Folder which you want to know the Path, then Finder -> File -> Get Info -> then you will see [Where:] such as like,

```
Macintosh HD: private: Network: Servers: afocdtpserver.lausd.k12.ca.us:
Users: LastnameFirstname: MacDualWay
```

This is too long to type in during running "3_MPWBatch". I found another short-cut Path name functions well, so please use that one. Please start "MPW Shell" (under MPW-GM:MPW), and look at the top of the shell window. It will show the convenient short-cut path name, such as like,

```
Users:LastnameFirstname:MPW-GM:MPW:Worksheet
```

This "Users: LastnameFirstname:" is a convenient your home's short-cut Path. Then, add your own created Path and Folder name after this, when you are asked your Working Folder's Path and name, and Shadow folder's location by "**3_MPWBatch**".

Running MPW Shell commands:

No need to use "SetFile" in MPW to make text files to SimpleText under OSX. All text files are immediately opened by Double Clicks. And occasional adjustment may be required when the file is opened by an unexpected application. Just add .txt at the end of the filename and open it.

If you have some suggestion to fix certain known imperfection, let us know (please write to TuneFind). Thank you!