DirTree

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COLLABORATORS			
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Chapter 1

DirTree

1.1 DirTree.dopus5 - Watching your trees grow with you.

Welcome to yet another exciting script by yours truly.

DirTree.dopus5 – Where the forest meets Directory Opus

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1.2 DirTree.dopus5 - Yet another reason to buy DOpus.

Way back in the distant past, (yours is probably more distant than mine, alcohol has reduced mine to about 3 months :) there was a directory utility called Directory Opus v4, some of you may have heard of it.

Among it's many limited features, (compared with today's monolith), was the ability to display a device's directories in what was 'tree' form.

For example, (forgive the ASCII art):

```
HD0:
   +--C
   +--Devs
      +--Datatypes
      +--Monitors
   +--Prefs
```

etc, etc, (if any of you have ever used XTreeGold on the clones you know what I mean).

It enabled you to then just click on a directory to read it into the
window.

From watching the DOpus mailing lists, (I have lurked there for many a
year, hiding in the background unbeknownst to most everyone), I have seen a
few people wish that Directory Opus v5 provided this facility.

Well, wish no more!

DirTree.dopus5 will display a tree of directories for a device in a lister,
exactly the same as what is in the example above, in addition you have the
ability to:

1) double-click on a directory to read it into the lister.
2) drag'n'drop a directory from the tree into another lister to read it in.
3) drag'n'drop files/dirs onto a directory in the tree to have them copied
   or moved.
4) use the mysterious 'graft' function, (in which politicians ask for more
   money on the promise of enacting their promises), XTreeGold users will
   know what this is, see Lister Usage .

1.3   DirTree.dopus5 - Bringing confusion to the masses.

The requirements of this particular script are very modest, for a start,
go to your bank and withdraw the equivalent of US$500-00. Use $80-00 to
BUY Directory Opus Magellan, send the rest to me.

Seriously folks, it requires the following:

 – Directory Opus Magellan, (version 5.5+ should be OK).
 – rexxtricks.library available from Aminet as util/libs/RexxTricks_386.lha

Install them as per instruction received with the above software packages.

NOTE: To use 'grafting' you require a working and mounted PIPE: handler, it
      came standard with your OS installation.

      Grafting and the copying/moving of files relies on the ability to do
      'subdrops', therefore to enable these operations, the option 'Drag
      into Sub-Directories' must be enabled in 'Environment/Lister Options'.

1.4   DirTree.dopus5 - Named script of the Year, 1906!

For those that don't read instructions, here's the short version:

Put the script called 'DirTree.dopus5' into the directory called
DOpus5:ARexx.

For everyone else, read the sentence above.

1.5 DirTree.dopus5 - Boldly going where no script has gone before!

   Now comes the technical part, go grab yourself a cup of coffee, sit down,
shutup, and read.

   OK, feeling relaxed? Right let's get on with it.

   When first run on a device the script will create a file in the root
directory called .dirtree, this file contains a list of all directories
on that device sorted into alphabetical order. Once this file is created,
DirTree will refer to it until the file is deleted or DirTree is told to
recreate the file.

   The .dirtree file will have it's H bit set, so those of you who have
your listers set to hide these files won't see it.

   The first time the script is run it can take a while before you see
the lister appear on the screen due to this reading of all your directories.
   The next time it is run the lister will appear immediately, and entries
start appearing.

   Try it on RAM: first to see how it works.

   The command line parameters for it are:

DirTree.dopus5 [REGEN|CREATE] <DEVICE>

   The REGEN or CREATE keywords are optional, the DEVICE is mandatory.

DEVICE – can be any valid AmigaDOS device or path, only the device part of a
         specified path will be used, eg. HD0:Prefs/env-archive, HD0: will be
         used, the rest discarded.

REGEN – this keyword will cause a new .dirtree file to be generated for
         that device. Most people once they have set their HD's up the way
         they want them, generally leave them alone except for the occasional
         software installation or removal. If you've done one of these,
         then REGEN will cause the drive to be reread.

         An alternative to this keyword is when the lister is open, use the
         lister popup menu and choose Re-read Directory.

CREATE – this keyword causes the .dirtree file to be created then the
         script will exit. Possibly so that you can have a DOS script
         that's executed periodically by a utility such as Cron, this will
         keep the .dirtree files up-to-date without listers opening.

   Some examples:

   DirTree.dopus5 HD0:Devs
   DirTree.dopus5 REGEN HD1:
   DirTree.dopus5 CREATE ZIP:

   You can use the script from any of DOpus' normal methods of script
execution, button, toolbar, hotkey, etc.

For example, a toolbar button:

```
ARexx  DOpus5:ARexx/DirTree.dopus5 {s}

Flags  Run Async
```

A hotkey:

```
ARexx  DOpus5:ARexx/DirTree.dopus5 {RsDevice::}

Flags  Run Async
```

1.6 DirTree.dopus5 - Brought to you by the numbers: 1 and 8

OK, the lister's opened, you've got this funny display in it, what happens next?

First option:

Double-click your left mouse button, (LMB), on an entry. That directory will be read into the lister.

Can't get much simpler than that.

Second Option:

Select a directory with the LMB and drag'n'drop it on another lister, the DirTree lister will remain open and the other lister will read in the directory you dropped on it.

Fairly boring stuff.

Third Option:

Drag some files or directories from another lister and drop them onto a directory in the DirTree lister, the files/dirs will be copied into the directory you dropped them on. If you hold down the shift key while you do it, the files/dirs will be moved instead.

Mildly more interesting.

Fourth option:

The mysterious graft procedure :)

For grafting you require at least two DirTree listers open and, as specified in Requirements, a working and mounted PIPE: handler.

To graft, you drag'n'drop a directory from one DirTree lister to another. The directory and all it's sub-directories will be moved to it's new location on the other device and both DirTree listers will have their display updated. If you hold down the shift key while doing it, the directories will be moved instead.

```
   Wildly exciting....or not!

A BIG NOTE: Grafting works on my machine OK, but that's because I know what
            I'm doing...usually.  If you have any doubts about it, at the
            start of the script is a line:

            graft = 1

            Change it to:

            graft = 0

            If you don't want or trust it.

            If you still want to use it, then read  Legal Mush .
```

1.7   DirTree.dopus5 - Freedom to butcher your HD.

```
Version:

0.8 - Stopped popups from happening.

0.7 - Fixed check for PIPE: device :-/
      Can now move or copy when grafting.
      Cosmetic enhancements to the lister display.

0.6 - Added a check for a PIPE: device, should've done it before...stupid me.

0.5 - Grafting added.
      Re-read directory from lister popup, regenerates the '.dirtree' file.

0.4 - Added drag'n'drop to/from normal listers.
      No longer uses AmigaDOS command, uses rexxtricks.library instead, made
      things a *LOT* easier :)

0.3 - First version, doubleclick to read in directory.
```

1.8   DirTree.dopus5 - How many ducks can a duckplucker pluck?

```
  Here's where we say thanks to all those people that made it possible:

Jon Potter       - created Directory Opus, it has the most frustrating ARexx
                   interface at the most frustrating times, of course it does
                   help to know what you're doing....I'm not in this category
                   most of the time :)

Dr Greg Perry    - GPSoftware, he who markets DOpus.

Jürgen Kohrmeyer - created rexxtricks.library which made this script a whole
                   lot easier to manage after using it's functions, thanks.
```

Helmut Hummel   – this idea had been swimming around in the murky depths of
                what some people call my mind for about 18 months before
                something Helmut said finally prompted me into getting my
                bum into gear.

1.9 DirTree.dopus5 - Can't think of anything here.

  Here's my standard disclaimer for all my ARexx scripts:

"Use her, Abuse her, she can take all that you've got."
                                    – 22 Acacia Avenue
                                      Iron Maiden

  This script is ApathyWare(tm).

  I don't care what you do with it, and neither does the script.

  (Of course, if the script ever develops artificial intelligence then it
   might want that last part ammended.)

  You will note that I have cunningly concealed the real author of this
script, this is due to the fact that if any problems do arise out of your
misuse of this script, you'll know who to blame ;-)