

**01108730-0**

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**COLLABORATORS**

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# Chapter 1

## 01108730-0

### 1.1 File Finder

File Finder  
Release Version 1.05 2nd Feb 1995  
written by Mark Melton  
email u9326383@radon.sys.uea.ac.uk (until July 96)

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### 1.2 Copyright

#### Copyright

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ncluded~.
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commercial venture.
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express  
permission,~for~~which~a~charge will be made.
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fee
-

for the media on which it is transmitted, without my permission.

5. This product may not be included on any magazine cover disk without my written consent except for the Amiga Shopper magazine based in the UK.

6. This product will not be included in any commercial package, unless my written consent is obtained before distribution.

By distributing, using or copying the product you indicate your acceptance of the above conditions.

Disclaimer

This program is provided as is, and no liability is accepted for any damage caused to you, your machine, or that matter anything else. Hey if using this program causes WW3 don't blame me OK.

## 1.3 Introduction

Introduction

This program is used for finding things, still you probably worked that out from the name ;-). I wrote it mainly because I have access to several Amigas (TM), with rather large hard-drive's. I found there was a need to quickly find the location of file's on the machines as many of them have files stored in different ways. There was also the article in the Amiga Shopper magazine on a file finding utility. I modified their code a bit and added substantial amounts, and came up with this program.

Current features in version 1.07

Find any file on a disk, using standard AmigaDos(TM) file matching patterns.

Fully implemented as a commodity, with user definable hotkey etc.

Limit search size parameters, only files in a certain size range are checked.

Limit date range parameters, only files in a certain date range are checked.

+ a few bug fixes ;->

Stack overflow fixed. Reported by millions (well at least four people :-)

GUI problems when running on non-interlaced NTSC machines fixed. Reported by a NTSC A500 user, thanks!

## 1.4 Requirements

Requirements for File Finder.

It is essential that you have at least kickstart & Workbench 2.04.

Other than that there are no further restrictions, well appart from having an amiga :-).

The program has been written on an A1200 with 50MhzGVP~A1230-II. It ha ~been tested using~enforcer~and~causes~no enforcer hits so it should be OK on all amigas.

Tested on plain A1200, A4000/040, A4000/030/ and an A3000. I would be grateful for~people~to~confirm~its~operation on other machines, e.g. A500+, A2000, etc.

## 1.5 Usage

Usage

This~program~was~designed~with~one~goal~in~mind,~to~be~simple~to~use.~It~is~for~this~reason~that~the~standard~"look"~of~the~workb~ench~has~been~used.~The~program~has~three~main~interface~areas.~The~file~list~at~the~top~(initially~blank~),~the~search~parameter~control's,~contained~within~the~"raised"~box,~and~the~program~control~functions~at~the~bottom.~A~screen~shot~of~this~is~included~and~can~be~viewed~by~pressing~this~button in WB3.0 or ~above, or by using the~display~utility in~the~utilities~drawer.

Firstly the Search parameter gadgets will be described.

The status gadget informs the user of the current status of the program. It is not selectable by~the~user.

The~Path~gadget,~keyboard~shortcut~P,~is~used~to~specify~the~drive~or~directory~in~which~to~look~for~the~file.~Limiting~the~search~to~a~particular~directory~saves~time~by~reducing~the~number~of~files~which~have~to~be~searched.~e.g.

DH0:

This would search all of DH0:, whereas

DH0:Utilities/

would only search the directory dh0:utilities.

The~Pattern~gadget,~keyboard~shortcut~T,~is~used~to~specify~the~file~for~which~to~search.~Standard~AmigaDOS~file~patterns~are~accepted,~to~save~you~digging~out~your~AmigaDOS~manual,~if~you~even~have~one,~here~are~the~pattern's

? Matches any single character.

#<p> Matches zero or more occurances of <p>.

<p1>|<p2> Matches if either <p1> or <p2> matches.

-<p> Matches everything but <p>.

(<p1><p2>...)

Groups items together.

% Matches the null string.

[<p>-<p>] Determines a character range.

Now~unless~you've~used~AmigaDOS~extensively,~that~lot~will~be~about~as~clear~as~mud ←  
 .~So~here's~the~english~transl  
 ation.

A?B Matches any three letter word beginning in A and ending in B. Such ←  
 as AcB, ~AzB, ~ABB, ~etc.

A#BC~Matches~any~name~beginning~in~A~and~ending~in~C,~with~any~number~of~B's~in  
 between.~Such~as~ABC, ~ABBC, ~ABBB~C, ~etc.

ABC#? Matches any name beginning ABC. Such as ABCD, ABCPIC.info, etc.

#?XYZ Matches any name ending XYZ. Such as MARK\_XYZ, PICXYZ, etc.

ABC#?XYZ Matches any name beginning ABC and ending XYZ. Such as ABCXYZ, ←  
 ABCMARKXYZ, etc.

A(B|C)D Matches ABD or ACD.

~(XYZ) Matches anything but XYZ.

~(#?.info) Matches anything not ending in .info.

A#(BC)~Matches~any~name~beginning~with~A~followed~by~any~number~of~BC's.~Such~as~ ←  
 ABC, ~ABCBC, ~ABCBCBC, ~etc.

A(B|D|%)C~Matches~any~name~starting~with~A~ending~with~C~with~B,~D~or~nothing~in  
 between.~Such~as~ABC, ~ADC~or~AC~~.

[A-D]#? Matches any name beginning with A, B, C or D.

The~Size~button,~keyboard~shortcut~S,~opens~the~Search~Size~limit~window~ ←  
 containing~three~gadgets.~They~are~the  
 info gadget, which is~a small~reminder of~what~to~do, the~Max~Size~gadget,  
 keyboard~shortcut~M,~where~the~maximum file size to include in the~search~is~put, ←  
 and~the~M~in Size~gadget,  
 keyboard shortcut S, where the ~minimum file~size~to~includde in~the~search~is~put. ←  
 The~search~size~limit~window  
 does not have~to be~closed after use and can be left open. To~ignore~a~maximum ←  
 file~size~limit~enter~a~value of  
 0.~e.g.

Max size = 0 Min size = 1000

would only look for files over 1000 bytes (1Kb) in size.

Max size = 10000 Min size = 5000

would only look for files over 5000 bytes (5Kb) long but under 10000 bytes (10 Kb) ←

The Date button, keyboard shortcut D, opens the Date Size limit window containing ←  
 three daddets. They are the  
 info gadget, which is a small reminder of what to do, the From gadget, keyboard ←  
 shortcut F, where the earliest  
 date to include in the search is entered, and the To gadget, keyboard shortcut T, ←  
 where the most recent date to  
 include is entered. The date range limit window does not have to be closed after ←  
 use and can be left open. To  
 ignore a date limit leave the gadget empty.

The date should be entered in a DD-MMM-YY format e.g.  
 04-Mar-95, also 04-03-95 works equally well.

The List Gadget.

This is where the list of files that match the search parameters will appear. If ←  
 the list gadget is clicked on, ←  
 details of the file selected, will appear in the info  
 window. This provides details such as the creation date of the file, its name, the ←  
 path to the file and its  
 size. The info window can be left open when selecting other files, there details ←  
 will replace those already  
 in the info window.

Program control gadgets.

Quit, keyboard shortcut Q, exits the program immediately. Warning, you will not be ←  
 asked to confirm a quit request  
 t.

Find, keyboard shortcut F, commences the search with the current search parameters ←

Abort, keyboard shortcut A, aborts the current search operation. This will stop ←  
 the search at the point it had r  
 eached when the abort button was pressed. Search  
 operations must be allowed to complete or aborted before any other commands can be ←  
 used, such as Quit.

Print, keyboard shortcut R, print's the current contents of the list to the ←  
 current prefs printer.

## 1.6 Installation

Installation

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This couldn't possibly be easier. Simply drag the File Finder icon to wherever you want it to be put. I would recommend either your utilities drawer, tools drawer or preferably your WBStartup drawer.

The documentation consists of the AmigaGuide format doc, and a plain text file. Also there is also a picture of the interface this should ideally be kept in the same place as the amigaguide doc.

New to version 1.05.

#### TOOLTYPES

(See page 10-23 of the WorkBench 3.0 manual.)

CX\_HOTKEY="ctrl F" or any other combination you want. This key combination will cause the program to popup its GUI (Graphical user interface) if it is currently "Hidden".

Use the tooltype DONOTWAIT if you run the program from the WBStartup drawer.

The CX\_POPUP tooltype determines if the program opens its GUI on startup.

## 1.7 Problems

### Problems

One problem that you might experience if you have a particularly deep directory structure, is that of a stack overflow. This can be solved by increasing the stack size of the program. See page 3-19 of the WB3.0 manual for details on how to do this.

If you discover any problems with this program send me the details, such as what the problem is, what sort of machine you use machine, you KS and WB version numbers and an address where you can be contacted.

## 1.8 Future plans

### Future plans

Implement the type limit feature. This may take a while :-)

You never know, some shareware subscriptions might encourage me to get these features implemented :->

Also I would welcome any suggestions for improvements or new features.

### Contacts

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## 1.9 Acknowledgements

Acknowledgements

Thanks go to the Amiga Shopper magazine in the UK for providing the inspiration ←  
for this  
program.~This~program~is loosly based on a program that they ran as a C ←  
programming  
tutorial,~but~has~had~considreable enhancements,~and extra features added.

## 1.10 Suggestions/Registration

Firstly I can be contacted by Email or snail mail.

Email (Bugs, sugestions only)

u9326383@radon.sys.uea.ac.uk

I will have access to this account until at least summer 1996.

Snail mail( registration requests, bugs, sugestions)

Mr M D Melton,  
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Lincoln,  
England,  
LN6 9PN

Registration

What~benifits~will~registration~bring~you. ~Well~appart~from~making~your pocket/ ←  
wallet slightly~lighter and  
slimmer :-),~ firstly it will bring my eternal gratitude, and secondly the very ←  
latest version of this program,  
if you have an email address where I could send it to, or send me a self addressed ←  
jiffy bag or similar  
containing a DSDD floppy. What do I ask for this program, which has been written ←  
in my spare time while  
studying for my degree, as a possible method of suplementing my~income~:->

Registration is the huge figure of £5, yes thats all, just 5 GB pounds. Sorry but ←  
I can only accept GB pounds.

This is because the bank would want its huge slice for changing foreign currencies ←  
:-<.