

01108730-0

Mark Melton

COLLABORATORS

	<i>TITLE :</i> 01108730-0		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
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REVISION HISTORY

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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
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1.2 Copyright

Copyright

This product may be freely distributed as long as~certain~conditions~are~met.

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~copyright~message~~must~be~~i
ncluded~.
 2. This product may be freely distributed via~the~internet or~any~other non ~↵
commercial venture.
 3. This program my only be distributed by a commercial PD library only with my ~↵
express
permission,~for~~which~a~charge will be made.
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5.~This~product~may~not~be~included~on~any~magazine~coverdisk~without~my~written
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6.~This~product~will~not~be~included~in~any~commercial~package,~unless~my~written
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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~f ←
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 ceratain 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 begining 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~begining~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~inculde 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~immediatly.~Warning,~you~will~not~be~ ←
asked~to~confirm~a~quit~reques
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~compleat~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

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

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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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 ↵
:-<.