# 01108730-0

Mark Melton

**COLLABORATORS**

| | TITLE : 01108730-0 | | |
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| *ACTION* | *NAME* | *DATE* | *SIGNATURE* |
| WRITTEN BY | Mark Melton | August 9, 2024 | |

**REVISION HISTORY**

| NUMBER | DATE | DESCRIPTION | NAME |
|---|---|---|---|
| | | | |

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# Chapter 1

# 01108730-0

## 1.1  File Finder

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                            File Finder
                  Release Version 1.1 26th Feb 1995
                       written by Mark Melton
            email u9326383@radon.sys.uea.ac.uk (until July 96)
```

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## 1.2  Copyright

```
                             Copyright
                          ©1995 M.D. Melton
```

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ncluded~.

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Disclaimer

This~program~is~provided~as~is,~and~no~liability~is~accepted~for~any~dammage~ ←
    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 1.1

-> 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.

-> Window is now sizable.

-> Slightly faster search routine.

-> Interface is now an "AppWindow", when a file or directory is droped on the  ←
    interface its path is entered in
the path gadget.

+ 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!

-> Problems with SoftLinked directories fixed.  Well they now work on my machine,  ↩
    if you know different let me
know ;-).

-> All gadget enteries are remembered even if GUI is hidden.

-> Close window gadget now "hides" the interface instead of closing it.


## 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 has been  ↩
    tested using~enforcer,~and~does not
cause~ any enforcer hits so it should be OK on all amigas.

Tested on plain A1200, A4000/040, A4000/030/ and an A3000.  I have had reports of  ↩
    it working on the following:-

 -> A500 (NTSC)
 -> A2000 030

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~"lo
ok" ~~of~the~workbench~has~been~used.~

The~program~has~three~main~interface~area's.~The~file~list~at~the~top~(initialy~ ↩
    blank~),~the~search~paameter~cont
rol's,~contained~within~the~"raised"~box,~and~the~program~~control~functions~at~~ ↩
    the~bottom.~

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.

A simpler and quicker method to specify a search path is to drag the icon of the  ←
    disk or directory that
you~wish~to search on to the FileFinder interface, anywhere will do, and release  ←
    it.  This will enter the path of
the~icon~into the path gadget.


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~extensivly,~that~lot~will~be~about~as~clear~as~mud ←
    .~So~here's~the~english~transla
tion.

 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~incul de
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 dadgets.

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~reques
t.

Hide, keyboard sortcut H, closes the GUI, but leaves the program running, press  ←
    the hotkey combination
to~popup~the interface, default Shift Alt F.

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~
reached~~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.


Recommendation

To make the search as fast as possible, it is recommended that the program window  ←
    is kept as small as
possible.~It  can easily be enlarged after the search is finished.


## 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~recomend either your utilities drawer, tools drawer or  ←
    preferbly 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 determinew 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 the 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

Immplement the type limit feature.  This my take a while :-(

You never know, some shareware subscriptions might encorage 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, suggestions only)

u9326383@radon.sys.uea.ac.uk

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

Snail mail( registration requests, bugs, suggestions)

 Mr M D Melton,
 1 Hawksmoor close,
 North Hykeham,
 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 addessed ↩
    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 forign currencies ↩
    :-<.