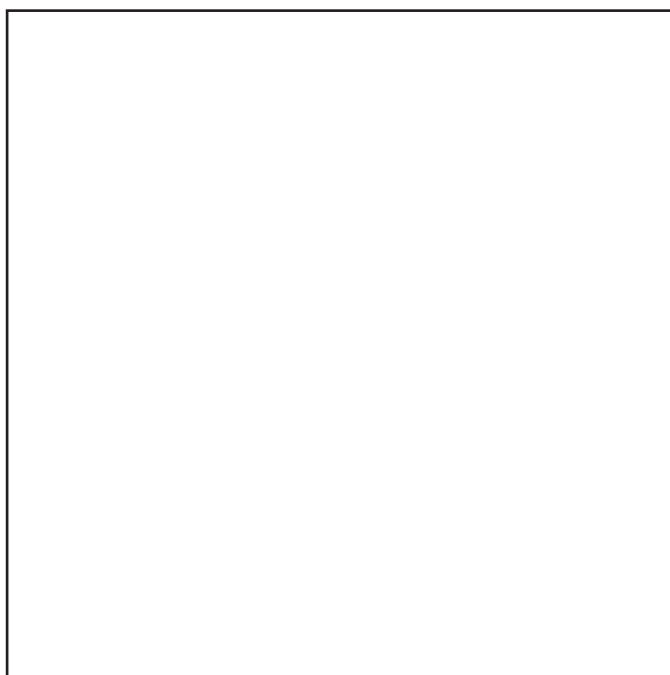# First Few

A Rapid File Identification Utility

by Oliver Schön

irstFew is a short Wimp compliant Basic application that allows you to have a look at the first 217 bytes of any file dragged to it. This can be very handy, for example, when trying to sort out the latest versions of various programs or modules, as the version identification is usually given in the first couple of lines of code. Thus, to check which version of CLib you have, just drag the CLib module to the FirstFew icon,

Checking a Basic file with FirstFew

and a window will pop up displaying the version number.

To enter the application, first of all create a directory called *!FirstFew*, and open it up by double-clicking on it while holding down Shift. Next use Edit to create an Obey file called *!Run* containing the following three lines, and save it inside the *!FirstFew* directory:

```
W impSlot -min 16K -max 16K
Run <Obey$Dir>.!RunImage %*0
```

Next type in the listing given and save it inside *!FirstFew* under the name *!RunImage*. Finally use Paint to design a sprite called *!firstfew* (mode 12, 34 pixels wide by 17 pixels high) and save this file as *!Sprites* in the *!FirstFew* directory.

USING THE PROGRAM

Running the application will install an icon on the right-hand side of the icon bar. Dragging any file out of a directory viewer to this icon will open a window displaying the first 217 bytes of the file as ASCII text (unprintable characters are displayed as full stops). Dragging a directory results in an error box being displayed.

HOW IT WORKS

As the initialisation and polling loop are in no way peculiar I will only explain the reading procedure. When a DataLoad message is received from the Filer it is first checked for the filetype. Filetypes &1000 and &2000 (directories and applications) will cause an error to be reported. If the file is of any other type, reading is attempted. Should reading fail (e.g. the Filer did not get the user to insert the right disc, the file has no read access set etc.) the procedure is aborted. Only when the file has been read correctly will FirstFew acknowledge the DataLoad message and update the display window.

```
  10 REM          >!RunImage
  20 REM Program   Show First Few Bytes
  30 REM Version   A 1.01
  40 REM Author    Oliver Sch n
  50 REM Risc User June 1992
  60 REM Program   Subject to Copyright
  70 REM           Not Public Domain
  80 :
  90 ON ERROR PROCerror(ERR,REPORT$+"("
+STR$ERR+") in "+STR$ERL)
 100 PROCinit
 110 REPEAT
 120  PROCpoll
 130 UNTIL quit%
 140 PROCquit
 150 END
 160 :
 170 DEF PROCinit
 180  SYS "Hourglass_On"
 190  DIM mblk% &40,iblk% &30,wblk% &60
 200  DIM tblk% &100,ublk% &200,eblk% &
40
 210  SYS "Wimp_Initialise",200,&4B5341
54,"Version Identifier"
 220  PROCinstallicon
 230  PROCinitwindow
 240  SYS "Hourglass_Off"
 250  quit% = FALSE
 260 ENDPROC
 270 :
 280 DEF PROCinstallicon
 290  iblk%!0=-1
 300  iblk%!4=0: iblk%!8=0
 310  iblk%!12=68: iblk%!16=68
 320  iblk%!20=&1700300A
 330 $(iblk%+24)="!firstfew"
 340  SYS "Wimp_CreateIcon",,iblk% TO i
h %
 350 ENDPROC
 360 :

 370 DEF PROCinitwindow
 380  LOCAL A%,pt%
 390  wblk%!4=300:wblk%!8=200
 400  wblk%!12=840:wblk%!16=600
 410  wblk%!20=0:wblk%!24=0
 420  wblk%!28=-1:wblk%!32=&FF000012
 430  wblk%!36=&00070207:wblk%!40=&000C
0103
 440  wblk%!44=0:wblk%!48=-400:wblk%!52
=540:wblk%!56=0
 450  wblk%!60=&3D:wblk%!64=0:wblk%!68=
1:wblk%!72=0
 460  $(wblk%+76)="First Few":wblk%!88=
0
 470  SYS "Wimp_CreateWindow",,wblk%+4
TO !wblk%
 480  !ublk%=!wblk%:ublk%!4=8:ublk%!12=
532
 490  ublk%!20=&07000139:ublk%!28=-1:ub
lk%!32=32
 500  FOR A%=0 TO 7
 510   ublk%!8=-(A%*48+56):ublk%!16=-(A
%*48+8):ublk%!24=tblk%+A%*32
 520   SYS "Wimp_CreateIcon",,ublk%
 530  NEXT
 540  $tblk%=STRING$(255," ")
 550 ENDPROC
 560 :
 570 DEF PROCpoll
 580  LOCAL reason,A%
 590  SYS "Wimp_Poll",&81833,ublk% TO r
eason
 600  CASE reason OF
 610   WHEN 2: SYS "Wimp_OpenWindow",,u
blk%
 620    FOR A%=0 TO 28 STEP 4 : wblk%!A
%=ublk%!A% : NEXT
 630   WHEN 3: SYS "Wimp_CloseWindow",,
ublk%
 640   WHEN 6: PROChandle_button(ublk%)
 650   WHEN 9: quit% = TRUE
 660   WHEN 17,18: PROCreceive_mess(ubl
```

```
      k%)
 670   ENDCASE
 680  ENDPROC
 690 :
 700 DEF PROChandle_button(ublk%)
 710  CASE (ublk%!8) OF
 720    WHEN 2:IF ublk%!12=-2 THEN PROCh
andle_menu(ublk%)
 730    WHEN 4:PROCshowdata
 740   ENDCASE
 750  ENDPROC
 760 :
 770 DEF PROChandle_menu(ublk%)
 780  $mblk%="FirstFew"
 790   mblk%!12=&00070207
 800   mblk%!16=124:mblk%!20=44:mblk%!24
=0
 810   mblk%!28=128 : mblk%!32 = -1
 820   mblk%!36=&07009039 : $(mblk%+40)=
"Quit"
 830   SYS "Wimp_CreateMenu",,mblk%,!ubl
k%-66,140
 840  ENDPROC
 850 :
 860 DEF PROCshowdata
 870   SYS "Wimp_CloseWindow",,wblk%
 880   SYS "Wimp_GetWindowState",,wblk%
 890   SYS "Wimp_OpenWindow",,wblk%
 900  ENDPROC
 910 :
 920 DEF PROCreceive_mess(ublk%)
 930  CASE (ublk%!16) OF
 940    WHEN 0: quit% = TRUE
 950    WHEN 3: PROCread(ublk%)
 960    WHEN &502: IF ublk%!32=-2 THEN P
ROCanswer_help
 970   ENDCASE
 980  ENDPROC
 990 :
1000 DEF PROCread(ublk%)
1010   LOCAL num%,B$,do%,A%,C%,D%,F$
1020   LOCAL ERROR

1030   ON ERROR LOCAL ENDPROC
1040   A%=ublk%+44
1050   WHILE ?A%>31
1060    F$+=CHR$ ?A% : A%+=1
1070   ENDWHILE
1080   IF ublk%!40=&1000 OR ublk%!40=&20
00 THEN
1090    PROCreport(100,"Cannot view dire
ctories.",1)
1100   ELSE
1110    ublk%!12=ublk%!8 : ublk%!16=4
1120    num%=OPENIN F$
1130    C%=tblk%+32 : D%=0
1140    $tblk%=STRING$(255," ")
1150    FOR A%=1 TO 7
1160     SYS "OS_GBPB",3,num%,C%,31,D% T
O ,,C%,,D%
1170     ?C%=13 : C%+=1
1180    NEXT
1190    FOR A%=32 TO 254
1200     IF (tblk%?A%<32) AND ((A%+1)MOD
32 <>0) THEN tblk%?A%=46
1210    NEXT
1220    $tblk%="Read "+FNname(F$)
1230    CLOSE# num%
1240    SYS "Wimp_SendMessage",17,ublk%,
ublk%!4
1250    PROCshowdata
1260   ENDIF
1270  ENDPROC
1280 :
1290 DEF FNname(F$)
1300   LOCAL B$
1310   B$=RIGHT$(F$,13)
1320   WHILE INSTR(B$,".")
1330    B$=RIGHT$(B$,LEN B$ - INSTR(B$,"
."))
1340   ENDWHILE
1350  =B$
1360 :
1370 DEF PROCanswer_help
1380   !ublk%=&D0
```

```
1390  ublk%!12=ublk%!8
1400  ublk%!16=&503
1410  $(ublk%+20)="This is the First Fe
w Utility.|M Drop files (no directories)
 here to view their first few bytes.|M C
lick MENU to choose Quit."+CHR$(0)
1420  SYS "Wimp_SendMessage",17,ublk%,u
blk%!4
1430 ENDPROC
1440 :
1450 DEF PROCquit
1460  SYS "Wimp_DeleteWindow",,wblk%
1470  iblk%!4=ih%
1480  SYS "Wimp_DeleteIcon",,iblk%
1490  SYS "Wimp_CloseDown"
1500 ENDPROC
1510 :
1520 DEF PROCerror(!eblk%,$(eblk%+4))
1530  SYS "Wimp_ReportError",eblk%,1,"F
irst Few"
1540  SYS "Wimp_CloseDown"
1550 END
1560 :
1570 DEF PROCreport(!eblk%,$(eblk%+4),f
lags%)
1580  SYS "Wimp_ReportError",eblk%,flag
s%,"First Few" TO ,!eblk%
1590 ENDPROC
```