APPENDIX B

SBF DEFINITIONS

This appendix lists the assembly language definititions files 'sbfdev.a' and 'sbfpd.a' for the SBF file manager. These files are used by Microware to produce the SBF library file 'LIB/sbf.l'.

☐ **sbfdev.a**

```
nam     Sequential Block File Manager
ttl     Static Storage definitions

use     defsfile.d
use     ../../DEFS/iodev.a

psect   sbfdev,0,0,0,0,0

use     ../../DEFS/sbfdev.d

ends
```

☐ sbfpd.a

```
            nam     Path Descriptor format
            ttl     Sequential Block File Manager definitions
*******************************************************
* Edition History
*  #   Date    Changes Made                                  by
* -- -------- ------------------------------------------- ----
*  1 86/02/13 Created.                                      lac
*  2 88/10/12 Added DMAMode, ScsiID, ScsiLUN.               wwb
*  3 89/02/27 added scsi options.                           wwb
*             <<< ---- OS-9/68000 V2.3 Release ---->>>>
*
edition     set     3               current edition number

            use     defsfile.d

            ttl     Path Descriptor formats
*********************************
* Path Descriptor Offsets (all file managers)
            org     0
PD_PD:      do.w    1               Path number
PD_MOD:     do.b    1               Mode (read/write/update)
PD_CNT:     do.b    1               number of open images
PD_DEV:     do.l    1               device table entry address
PD_CPR:     do.w    1               current process ID
PD_RGS:     do.l    1               caller's register stack ptr
PD_BUF:     do.l    1               buffer address
PD_USER:    do.l    1               User ID of path's creator
PD_Paths:   do.l    1               linked list of open paths on device
            do.l    4               reserved
PD_FST:     do.b    128-.           reserve file manager's storage
PD_OPT:     do.b    128             path options area

            psect   spfpd,0,0,edition,0,0

***************************************
* Sequential Block Path Descriptor Format

            org     PD_FST
PD_BPtr:    do.l    1               buffer ptr
PD_BCnt:    do.l    1               remaining buffer count
PD_DrvTb:   do.l    1               drive table ptr
PD_DStat:   do.l    1               driver static storage

            org     PD_OPT
            do.b    1               device type (all file managers)
PD_TDrv:    do.b    1               tape drive number
PD_SBF:     do.b    1               reserved
PD_NumBlk:  do.b    1               number of blocks (buffers)
PD_BlkSiz:  do.l    1               maximum block size
PD_Prior:   do.w    1               driver process priority
```

```
PD_Flags:   do.w    1               drive capability flags
PD_DMAMode: do.w    1               DMA type/usage
PD_ScsiID:  do.b    1               controller ID on SCSI bus
PD_ScsiLUN: do.b    1               tape drive LUN on controller
PD_ScsiOpts:    do.l    1           SCSI option flags
            do.b    256-.           reserved

* PD_Flags bit definitions
f_rest_b:   equ     0               rewind on close flag
f_offl_b:   equ     1               offline on close flag
f_eras_b:   equ     2               erase to EOT on close flag
* PD_Flags+1 is free for driver use

            ends
```