

FIDO PCB

FIDONET TO PCBOARD 14.X MAIL INTERFACE

BY MATJAZ KOCE

[Manual revised and enhanced by George Silberstern]

read completely"

Lazy Sysop's rule:
"Long manuals are never printed and

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TYPOGRAPHICAL CONVENTIONS

The typefaces used in the typeset version of this manual are Microsoft Windows v3.1, and Shareware, TrueType typefaces, and are generally applied in the following manner:

[] Square brackets in the text, or in command line samples, generally enclose optional commands. **Text of this sort should not be typed verbatim.**

<> Angle brackets in text, or in command line samples, encloses alternate options for a given command. They are also used to indicate variable characters in filenames.

| Pipes within bracketed commands or alternate options in the text or in command line samples, separate the possible choices for the command or options

ITALIC Uppercase text printed with an *italicized*, Roman typeface, is used to indicate file names. (Typeset manual only)

BOLD Uppercase text printed in a **bold** typeface, generally represents status flags and other related text. (Typeset manual only)

SHELL Uppercase text printed in a Helvetica typeface, generally represents DOS level commands you need to issue, and is also used to identify keywords. (Typeset manual only)

COMMAND Text printed with in a small capitals, **BOLD** typeface, represents commands or text that you should include in a given file. (Typeset manual only)

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NAMING CONVENTIONS

FidoPCB is distributed using the file naming convention of: FP<v>.<ext>, where <v> represents the version number, refers to the release code (A = alpha, B = beta, S = shareware), and <ext> refers to the compression method used on the distribution archive. Example: The Shareware release of FidoPCB version 1.1 is distributed under the filename, *FP11S.ZIP*.

An archive containing a typeset version of the Users Manual, Revision History, sample Configuration and Order Form, is available separately. The naming convention for this file is FP<v>DOC.<ext> (where <v> represents the program version, and <ext> refers to the compression method). Example: The typeset documentation corresponding to FidoPCB version 1.2 is distributed under the filename, *FP12DOC.ZIP*.

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DISTRIBUTION ARCHIVE CONTENTS

The following files should be present within the program distribution archive:

FILE	DESCRIPTION
FILE_ID.DIZ	Archive description
DESC.SDI	Archive description
MICROART.BBS	MicroArt BBS Phone numbers and information
ORDERFRM.DOC	FidoPCB Order Form
HISTORY.DOC	FidoPCB Revision history
FPCONFIG.EXE	FidoPCB Configuration Utility
FIDOPCB.DOC	FidoPCB Users Manual
FIDOPCB.EXE	FidoPCB Executable program
FIDOPCB.FD	Sample FrontDoor/InterMail Configuration file
FIDOPCB.BT	Sample BinkleyTerm Configuration file
FIDOPCB	Sample DOOR Batch file
LOST	PCBoard Message file for LOST messages
LOST.NDX	Index file for LOST Message file
MATRIX	PCBoard Message file for NetMail messages
MATRIX.NDX	Index file for MATRIX Message file
RUNFD.BAT	Sample Batch file for use with FD or IM
RUNBT.BAT	Sample Batch file for use with BinkleyTerm

Alpha/Beta distribution archives only contain the Revision History and executable program files, however additional files such as the sample configuration, may be included occasionally. It is strongly suggested that *HISTORY.DOC* be consulted for descriptions of changes and fixes made to the program.

The archive containing the typeset documentation should contain the following files:

FILE	DESCRIPTION
FILE_ID.DIZ	Archive description
DESC.SDI	Archive description
MICROART.BBS	MicroArt BBS Phone numbers and information
FIDOPCB.WP	Typeset Documentation
ORDERFRM.WP	Typeset Order Form/Fax Sheet

Please note that the typeset manual was prepared with WordPerfect v5.1, and is available in this

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format **ONLY**, starting with the manual for version 1.3.

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DISTRIBUTION RULES

SysOps are permitted to add comments to the FidoPCB distribution archive, only if they normally do so with all of their downloadable files. Additional files, such as *README.1ST* or *BBS_AD* may be added as well, provided that the filenames do not conflict with the filenames already listed in the distribution archive, and that this practice is adhered to for each downloadable file. Alpha and Beta version distribution is restricted to those systems with specific permission to distribute them. **The distribution of registered versions of FidoPCB, and of Key Files is prohibited.**

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UNREGISTERED VERSION

Running FidoPCB will indicate whether you are using the shareware, or the registered version. In the unregistered version, FidoPCB appends **FidoPCB [NR]** to the tearline, whereas the registered version appends your Serial Number. The unregistered version supports a maximum of 20 configured Message Areas. There are no other limitations to the unregistered version of the program.

FidoPCB is classified as Shareware (US\$ 39, or 62 Deutsch Marks for the 256 area version). The registered version has enhanced capabilities, as well as additional features. Registration and Price information can be found in the file, *ORDER.FRM*, and at the end of this document. You may also inquire via NetMail, or leave a message on the MicroArt BBS.

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LICENSE OF USE

FidoPCB and its associated utilities are classified as Shareware, therefore you may operate the unregistered version for a reasonable period of time in order to evaluate its suitability to your needs. If, upon evaluation, you decide to use FidoPCB on a permanent basis, you are required to register your copy.

Registration allows you to operate any current and future releases of FidoPCB version 1, including Beta Test releases. You can always obtain the latest Beta and Public release distribution archives from the MicroArt BBS. The FidoPCB distribution archives are also available from the FidoPCB Support Boards, but these systems are not obligated to make Beta releases available. Please inquire from the Support BBS SysOps as to their availability. Your registration also gives you access to the FidoPCB Support Conference on the MicroArt BBS, where you can share your experiences with other registered users, make suggestions, report bugs, and so on.

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CONTACTING THE AUTHOR

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AdriaNet: Sysops, Shareware, HomeMadeSW Conferences

FidoNet: FidoPCB, Enet.Sysop Conferences

NetMail: 2:380/100@fidonet.org

Salt Air BBS: Sysop Chat, Net_Mail, Utility, FidoPCB Conferences

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SUMMARY OF FEATURES

FidoPCB is a utility designed to import and export FidoNet type messages into PCBoard Message files, a process known as Tossing. Messages are transferred between many different Bulletin Boards in a special packet format, referred to as the Fido FTS-2. FidoPCB's features include:

- Internal support for FrontDoor, InterMail and BinkleyTerm Mailer software.
- Create all the necessary handling files for FrontDoor.
- Create all the necessary handling files for BinkleyTerm.
- Support for networks and multi-node PCBoard systems with file sharing.
- Recognition of the **CRASH, DIRECT, INTL** and other message status flags.
- Recognition of the **^aINLT** and **^aFMPT** flags for imported NetMail messages.
- Unpacking of compressed packets received in ZIP, ARC, ARJ and LHA formats.
- Importing of PKT files containing EchoMail from various areas into predefined PCBoard. Message files, without intermediate conversion to MSG format.
- Exporting of new messages from PCBoard message bases, and packing into FTS-2 archives.
- Handling of AreaFix commands (if you are a host, new areas can be connected or removed automatically) with connection security levels and passwords.
- Bi-directional NetMail (private FidoNet mail) handling.
- Recognition of PCBoard's "Private Message" flag.
- Duplicate Message checking.
- Support for up to 10 AKA Aliases.
- Configurable as a Door (requires a Fossil driver).

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LIMITATIONS

As mentioned previously, unregistered versions FidoPCB will handle a maximum of 20 configured Message Areas (18 Message areas, 1 NetMail area, 1 Lost Mail area). On the other hand, when a Key File is used, FidoPCB will handle 256, 512, 1024 or more Message Areas, depending on your needs. If you are a Network Hub or an Echo Host, FidoPCB can process mail for a maximum of thirty (30) configured Nodes, when you set **FILES=65** in *CONFIG.SYS*. The program will handle messages of up to 64Kb in size without difficulty. Future versions will be able to accommodate messages of unlimited size.

FidoPCB does not check how much disk space is available. It is advised that you have at least 1Mb of free disk space available, although the actual amount of space you will actually require depends on the size of the packets you receive and send out, as well as on the number of configured Nodes and Message Areas. A minimum of 350Kb of free RAM is required, most of which is used to run archiver software such as PKUNZIP. For the exact memory requirements of your archive software, please check that program's User Manual.

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INSTALLATION AND SETUP

Sample Configuration files are included in the distribution archive, and should be used as a model for configuring FidoPCB for your BBS. Familiarity with PCBoard's Conference setup procedures is also necessary, as you will have to create at least two additional conferences in order to run FidoPCB. Installation is divided into four steps, of which the third is the longest.

1] Create the directory where you will be running FidoPCB in, and change to it. While the manual refers to the directory wherein FidoPCB resides in, as FIDOPCB, you may place the program files in any directory. Just remember that if you are placing the program files in another directory, you will have to substitute all directory references with the one you are using.

2.1] Extract the following files from the distribution archive into the directory created in step 1:

FPCONFIG.EXE
*FIDOPCB.**
FIDOPCB.DOC
RUN??.BAT

The distribution archive contains two sample configuration files: *FIDOPCB.FD* and *FIDOPCB.BT*. The latter is for use with the BinkleyTerm mailer only, whereas the former is meant for use with all other mailers. Whenever a reference to the *FIDOPCB.CFG* Configuration file is made in this manual, please refer to the proper version of this file. The manual also refers to the sample *RUNFD.BAT* file. For BinkleyTerm mailer users, all references should be made to the sample *RUNBT.BAT* file instead.

2.2] Extract the following either into the directory where you keep your message areas, or into the FIDOPCB directory:

*MATRIX.**
*LOST.**

3.1] Using the *FPCONFIG* Configuration program, edit the *FIDOPCB.CFG* Configuration file. For additional information on this program, please refer to the section devoted to it, later in this manual. You can also edit it with an ASCII text editor. If you choose this method, please note the following: All lines should end with a Carriage Return and Line Feed (CR/LF). Under no circumstances should you use CHR(9) (TAB) characters in the Configuration file. The sample Configuration file contains a brief description of all the commands and parameters. A more detailed description of the Configuration file can be found later in this manual.

3.2] Load PCBSetup, and select **K** (Conferences) from the menu, in order to set up all of the conferences you specified in the Configuration file with the **AREA** parameter.

Next, create an area where duplicate messages, and EchoMail for undeclared areas will be placed. The Message file name for this Conference must be **LOST**, and the path to it must be the one declared with the **LOST_MAIL** command in *FIDOPCB.CFG*.

Finally, create an area where NetMail messages will be placed. The Message file name for this Conference must be **MATRIX**, and the path to it must be the one declared in *FIDOPCB.CFG* with the **NET_MAIL** command.

3.3] Log onto the BBS in order to create the respective Message files by using the **J** (Join) command to access the new conferences, and then log off.

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3.4] Invoke FidoPCB using the **SET ALL TOP** parameters. This serves the double function of checking for errors in the Configuration, and to set the Last Message Read (LMR) pointers. If FidoPCB reports an error, repeat Step 3.1

3.5] Log onto the BBS and select one of the areas you created, and enter one or two messages in order to test your setup.

3.6] Run FidoPCB with the **EXPORT** parameter to export the test messages.

3.7] Check the results by looking in the directories specified with the **PACKET** and **MAIL** commands in *FIDOPCB.CFG*, and by examining *FIDOPCB.STA*. If nothing is there, you will have to repeat Step 3.1.

4] Add a command line invoking FidoPCB in your Mailer's batch file.

5] Install FidoPCB as Door (optional),

If you are unable to set up FidoPCB, feel free to contact me, or one of the support sites listed at the end of this manual. We'll be there to help you.

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COMMAND LINE PARAMETERS

Invoking *FIDOPCB.EXE* without any command line parameters, or with the **?** option will display all of the command line parameters on the screen. FidoPCB operates with very simple, intuitive commands, as Most of the information is read from the Configuration file.

Syntax: FIDOPCB [?|command <areaname> <areanumber> [switch]]
? Displays a short description of all commands and switches
Valid commands are: EXPORT, IMPORT, TOSS, SET, LIST, STAT
Valid switches are: FORCE, RESET, STRIP

I) COMMANDS:

EXPORT - Exports any new messages (since the last execution of FidoPCB), and updates the Last Message Read (LMR) pointers.

IMPORT - Looks for new Mail Packet files in the directory specified with the **FILES** Configuration parameter, and imports them into the appropriate PCBoard message bases. It also updates the LMR pointers, without regard to the existence of messages requiring exporting.

TOSS - Combines the functions of the **IMPORT** and **EXPORT** commands by processing any messages waiting to be exported, any Mail Packets waiting to be imported, and then updating the LMR pointers.

SET - Sets the LMR pointer for a specific, or all configured areas, depending on the subcommand you use. If you wish to update the LMR pointer for a particular message area, you need to specify its name on the command line. If you wish to update the LMR pointers for all message areas, then the **ALL** parameter must be provided. Using the **TOP** parameter in place of a number will set LMR pointer(s) to the highest message in the conference message file(s). The LMR pointer can be advanced, but if the number provided is higher than the High Message number, then the pointer will be set to the High Message number. Negative numbers may also be used in order to roll the LMR pointer(s) back from the current value, by the number of messages specified.

Command Syntax: SET <areaname>|<ALL> <number>|<TOP>

LIST - Displays the current value of the LMR pointer of a specific message area, as well its traffic flow type. Substituting the areaname with the **ALL** parameter will display this information for all of the configured areas.

Command Syntax: LIST <areaname>|ALL

STAT - Displays message traffic statistics for all inbound and outbound mail.

II) SWITCHES:

DOOR - Permits FidoPCB to operate as a stock PCBoard Door. In order to use this switch, you must have a Fossil Driver, such as X00 or BNU, installed. When using FidoPCB as a Door, the program will need to obtain operating information from *PCBOARD.SYS*. This switch can be combined with all the other commands and switches.

RESET - Resets all Message Traffic statistics to zero. This switch is used with the

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STAT command.

STRIP - Scans the messages being exported for any characters with a value of 127 (7Fh) or higher (known as High Bit Characters), and converts all occurrences into asterisks (*). This switch is used in combination with the EXPORT and TOSS commands.

FORCE - Overrides checking for '*Origin:' lines, thus permitting messages with lines (Received messages) to be sent out (Messages of this kind are skipped by default). As with the STRIP switch, this switch is also used in conjunction with the EXPORT and TOSS commands.

III) EXAMPLES:

FIDOPCB LIST ALL - Lists all configured areas by name, their LMR pointer, and traffic flow types.

FIDOPCB STAT - Shows import export statistics for all configured areas.

FIDOPCB STAT RESET - Resets statistics for all configured areas to zero.

FIDOPCB SET NET_MAIL TOP - Sets the LMR pointer for the NetMail conference (**MATRIX**) to the highest message number.

FIDOPCB SET ALL -10 - Rolls the LMR pointers back by 10 messages for all configured areas.

FIDOPCB SET FIDOTEST 1 - Sets the LMR pointer for the area called **FIDOTEST** to 1.

FIDOPCB TOSS STRIP - Exports any new, unprocessed messages from PCBoard into message packets, converting all characters with a value above CHR(127) into asterisks (*). Then FidoPCB looks for unprocessed message packet archives, and imports the messages they contain, into PCBoard. Finally, outbound message packet archives are created and routed to those nodes defined in the Configuration file.

FIDOPCB EXPORT FORCE - Exports any new messages from PCBoard into message packets, including messages with '*Origin:' lines in the message body, creates the outbound message packet archives, and routes them to those nodes defined in *FIDOPCB.CFG*.

FIDOPCB IMPORT - Scans for unprocessed message packet archives, and imports the messages they contain, into PCBoard.

FIDOPCB TOSS DOOR - Works like the **TOSS** command described above, but with the difference that output is sent to the Modem instead of a file.

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CONFIGURING FIDOPCB

The runtime configuration for FidoPCB is contained in the file, *FIDOPCB.CFG*. This file is a standard text file, and it should be created and edited with the *FPCONFIG* utility, or a standard ASCII text editor such as QEdit, PCWrite, or as a last resort, *EDLIN*. Never use Word Processors such as MicroSoft Word, WordStar or WordPerfect, as this type of program will place additional, unwanted characters into the file, and produce errors.

The maximum length for any line in the configuration file is 1024 characters, with the exception of Directory paths, which are limited to 64 characters each. Lines starting with a semi-colon (;) are treated as comments and ignored. Commands are specified on a separate lines, and no TAB characters (CHR(9)) should be imbedded in them (use spaces instead. Do not leave any blank lines between commands. While these lines are ignored altogether, FidoPCB will wind up pointing to the wrong line number, in the event of an error in the Configuration file. Instead, simply place a semi-colon on these blank lines. In this fashion, FidoPCB will be able to point to the correct line. Any defined File paths must exist before FidoPCB is run, as the program will not create them if they are missing.

Most of the commands have default values so it isn't necessary to use them in your Configuration file. The sample *FIDOPCB.CFG* included in the distribution archive, and reprinted later in this manual, should be used as a point of reference for their usage. The commands themselves, can be separated into several groups, some of are strictly connected. Any references to FrontDoor in this section, unless otherwise indicated, also applies to the InterMail Mailer. Commands fall into the following categories:

I) FILE PATHS: These commands define the location of specific files and work areas. Each string is limited to a maximum of 64 characters. Do not include associated filenames in the path strings, or end them with a forward slash (\), as FidoPCB appends these as needed.

BAD - Defines the path to which any incoming mail packets that could not be processed, are placed.

FILE - Defines the path where your Front End places all incoming mail packets.

FRONTDOOR - Defines the path corresponding to the location of FrontDoor, and in which FidoPCB will generate FrontDoor's Semaphore files.

LOST_MAIL - Defines the path to the Lost Mail Message file (*LOST*) is located. This message file is used to place messages for which an area has not been defined, as well as any duplicate messages. The path to this message file must agree with the path defined in PCBSetup's Conference Configuration for this file (See step 3.2 under the section titled, "**Installation and Setup**", earlier in this manual).

MAIL - Defines the path that corresponds to where FrontDoor finds the MSG files.

NET_MAIL - Defines the path to the NetMail Message file (*MATRIX*) is located. This message file is used for personal mail messages to and from your specific system. The path to this message file must agree with the path defined in PCBSetup's Conference Configuration for this file (See step 3.2 under the section titled, "**Installation and Setup**", earlier in this manual).

PACKET - Defines the path where FidoPCB will place all of the outbound mail packets it creates.

PCBOARD - Defines the path where FidoPCB will find *PCBOARD.SYS*. This path must

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agree with the one defined in PCBSetup for the location of this file.

WORK - Defines the location of FidoPCB's work directory. If at all possible, this should be a RAM Disk, as it will provide even greater speed when processing mail packets.

II) ARCHIVER DEFINITIONS: These commands are used to identify both the location and names of your archiving utilities. If you already defined this location with the **PATH**, environment specifier, the use of these definitions is not required. The inclusion of command line switches is not necessary, as all the necessary switches have already been coded into FidoPCB.

Syntax: <command> [<drive>:][path]<utility name>

ARC - Defines the location of the PKARC archive generation program.

ARJ - Defines the location of the ARJ archive processing program, as used to create message packet archives.

LZH - Defines the location of the LHARC archive processing program, as used to create message packet archives.

UNARC - Defines the location of the PKXARC archive extraction program.

UNARJ - Defines the location of the ARJ archive processing program, as used to extract message packet archives.

UNLZH - Defines the location of the LHARC archive processing program, as used to extract message packet archives.

UNZIP - Defines the location of the PKUNZIP archive extraction program.

ZIP - Defines the location of the PKARC archive generation program.

III) SWITCHES: These commands are used to enable or disable features within FidoPCB, and in some cases, to choose a particular mode of operation of the feature.

BELL - When enabled, causes FidoPCB to issue a beep over your system's Speaker if an error occurs during Packet processing. **NOTE:** Due to possible lockups under LANtastic or NOS 4.0, this switch should be set to **OFF**, if you're running either of these environments. If you experience lockups under other LAN environments, disable this switch.

Options: ON, OFF

Default: On

COMPRESS - This command is used with each system declaration, and defines the compression method that will be used on Outbound EchoMail packets, and that is expected on the inbound EchoMail packets from the site associated with the definition.

Options: ARC, ARJ LZH, ZIP

Default: Zip

DUPE_CHECK - Specifies the number of messages that will be checked for duplication in the areas containing the **DUPE** flag, in the Area Declaration section of the Configuration file. FidoPCB checks the **FROM, TO, SUBJ, DATE, TIME** and

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^a**MSGID** fields, as well as the first ten characters of each processed message. Duplicates are copied into the **LOST** mail conference.

Range: 1 - 9999

Default: 200

FLAGS - When disabled, forces FidoPCB to ignore any **CRASH** and **IMM** status flags that may be attached to NetMail messages. This is to keep regular users from sending Crash Mail to systems all over the world, if you allow public access to the NetMail area.

Options: ON, OFF

Default: On

IGNORE_ECHO - When enabled, FidoPCB will export only those messages that have PCBoard's **ECHO** flag set. If disabled, then FidoPCB will ignore the state of this flag, and export all messages.

Options: ON, OFF

Default: On

INTERFACE - Selects the Front End interface you are using on your system.

Options: NONE, BINKLEY, FRONTDOOR, INTERMAIL

Default: None

MAX_MSGS - Specifies the number of messages FidoPCB will export in a session.

Range: 1 - 9999

Default: 9999

NET_TOSS - Selects the system to which NetMail will be sent. Setting this command to **BOTH** will place NetMail in both FrontDoor and PCBoard.

Options: PCBOARD, FRONTDOOR, BOTH

Default: PCBoard

NETWORK - When running FidoPCB in a multitasking and multinode environments, this command enables File Locking. **NOTE:** If this command is enabled, *SHARE.EXE* must be loaded at boot time, otherwise you will create File Locking, Sharing Violation, and other errors on your system.

Options: ON, OFF

Default: Off

IV) STRINGS: These commands are used to identify your system, as well as any messages originating from it.

AKA - This command is used to assign an alias address by which your system can be known. Up to ten (10) aliases can be defined. This command connects to the **AKA_TAG** and **AKA_DOMAIN** commands.

Format: Z:NNN/SSS.PPP (Zone:Net/Site.Point)

AKA_DOMAIN - This command is used to declare a UUCP organization identifier. This identifier will be appended to the ^a**MSGID** flag of any messages sent out under the associated AKA command. The string can be up to 20 characters in length.

Default: fidonet.org

AKA_TAG - This command defines the tagline that will be appended to any messages sent out under the alias defined by the associated AKA command.

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DOMAIN - This command is used to declare a UUCP organization identifier. This identifier will be appended to the **^aMSGID** flag of all messages sent out by your system, with the exception of those messages sent out under an alias (see AKA_DOMAIN, above). The string can be up to 20 characters in length.

Default: fidonet.org

ORIGIN - This command defines the main address for your system.

Format: Z:NNN/SSS.PPP (Zone:Net/Site.Point)

SYSOP - This command defines the name of the SysOp whose system is specified with the ORIGIN command. It is also used to define the name of the SysOp identified with the NODE command, in the System Declaration section of the Configuration file, for whose system, FidoPCB will create EchoMail packets.

TAG - This command defines the tagline that will be appended to all messages sent out by your system, with the exception of those messages sent out under an alias (see AKA_TAG, above).

V) MESSAGE AREA DEFINITION: These commands are used to define the message areas your system will be processing.

AREA - This command is the area declaration itself. It requires three parameters, and an optional flag.

Syntax: AREA <number> <areaname> <path> [NOMSGS|DUPE]

The number which makes up the first parameter corresponds to the current sequential message area. Its value may range from 1 to the limit of your version of FidoPCB. It is used by the NODE command in the Node Declaration section of the Configuration file.

The areaname defined by the second parameter, is the EchoList name by which the current area is known in the network. The third and last required parameter is the path defined in PCBSetup, where the PCBoard message file is located in.

The optional flag, **NOMSGS**, is used if the associated area will not be processed on your system, but passed on instead to other systems. If the **DUPE** flag is used, then all incoming messages for the associated area (up to the limit defined by the DUPE_CHECK command) will be checked for duplication. A control file consisting of 4 bytes per checked message will also be created for the area, in the same directory as the Message file.

AREA_LEVEL - This command sets a security level for the associated area. It is referenced through the NODE_LEVEL command of the Node Declaration section of the Configuration file, when an AreaFix request is received to forward the area.

Range: 1 - 9999

Default: 0

AREA_MSGS - This optional command is used if you wish to assign a name to the PCBoard Message file associated with this area. If this command is not used, the Message file name will default to *MSGs*. Either way, the filename must agree with the one you defined within PCBSetup.

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VI) FEED DEFINITION: These commands are used to define the systems with which your site exchanges EchoMail with on a regular basis.

NODE - This command is the System declaration itself. It is followed by the network address, using the **Z:NNN/SSS.PPP** (Zone:Net/Site.Point) format, of the site with which you're exchanging EchoMail, and a list of the areas that are exchanged. The areas to be exchanged must be defined with the AREA command in the Area Declarations section of the Configuration file. Individual areas can be separated by commas, and consecutive areas can be ranged with hyphens. If you do not define any areas whatsoever, the packets created by FidoPCB will contain messages from all areas.

NODE_LEVEL - This command is used to assign a security level to the associated site. The security level is used by AreaFix to forward only those areas assigned an equal, or lower security level under the AREA_LEVEL command in the Area Declarations section of the Configuration file.

Range: 1 - 9999
Default: 0

PASSWORD - This command defines a password the associated site will be using in conjunction with AreaFix requests. The password itself is limited to twenty (20) characters.

SYSOP - This command defines the name of the SysOp whose system is specified with the associated NODE command. It is also used to define the name of the SysOp identified with the ORIGIN command in the System Declaration section of the Configuration file.

COMPRESS - This command defines the archiving method used to create the EchoMail packets for the associated site. FidoPCB will also expect all inbound packets from the site to be archived in this format.

Options: ARC, ARJ, LHA, ZIP
Default: Zip

FLOW_TYPE - This command sets the status flag that will be applied to the outbound EchoMail packets that your system creates for the associated site.

Options: NORMAL, HOLD, IMMEDIATE, CRASH
Default: Normal

USE_AKA - This command assigns the number corresponding to one of the alias address, UUCP organization identifier, and tagline sets, specified with an AKA, plus its related AKA_DOMAIN, and AKA_TAG commands. These will be applied to all messages in the EchoMail packets destined to the associated site, under the connected NODE command.

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LOST MAIL HANDLING

The *LOST*, and associated *LOST.NDX* files, are conventional PCBoard message files. FidoPCB will place into it, any EchoMail that is destined to areas that have not been defined in the Configuration file. In addition, FidoPCB will also place any duplicate messages found during an import session, into this message area. For these reasons, and because this area in particular is one of the means by which you're able to verify that your system is set up properly, you should be sure that it was set up with PCBSetup when you installed FidoPCB, and scan it occasionally.

The area names attached to incoming messages are compared to the ones that have been defined in the Configuration file with the AREA command. If FidoPCB is unable to match area names (ie. the area name was not defined), the message associated with the area name in question will be tossed to the Lost Message area, and identified as being destined for an undefined area. This identification consists of the statement, **AREA: <AREANAME>**, being inserted in the first line of the message body. In this way, you can easily identify the area to which the message was destined, and either move it to the proper area, or kill it.

When a message are being imported, there is a small chance that one or two may be duplicated. Should this happen, the duplicate messages are also placed in this area, and an identifier inserted in the message body. For duplicates, this identifier consists of the statement, **DUPLICATE - AREA: <AREANAME>**, being inserted on the first line of the message body. In this manner, you will be able to check the messages easily, and then move or kill them as necessary.

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NETMAIL HANDLING

The *MATRIX*, and associated *MATRIX.NDX* files, are conventional PCBoard message area files. FidoPCB will place into it, any NetMail messages (private FidoNet messages) that are addressed to your system address.

If you are using FrontDoor or InterMail as your mailer, FidoPCB will automatically scan for new *MSG* files. If any are found, and you defined NET_TOSS as either **PCBOARD** or **BOTH**, they will be imported into this area. Compressed NetMail messages are imported automatically without intermediate conversion into *MSG* files. Also, if FrontDoor or InterMail is your Mailer, and you set the NET_TOSS command to **BOTH** in the Configuration file, you should not use **FM** to read messages, as doing so will generate duplicate messages within the PCBoard Message area.

When entering NetMail messages while logged into PCBoard, you must place the recipient's Network Address, enclosed in parenthesis, at the start of the first line of the message body, using the format, **Z:NNN/SSS.PPP**, where:

- Z = Zone number (Default = 2)
- N = Net number
- S = Site (Node) number
- P = Point number (optional)

This is the only format FidoPCB will recognize. Messages that do not conform to this format will not be exported, and will cause unexpected errors. Exported messages are converted into the *MSG* format used by FrontDoor, and placed in the directory you specified with the MAIL command in the Configuration file, from where they are routed by the mailer.

Special flags may be added to a message. They are placed in parenthesis, at the start of the second line of the message body. FidoPCB recognizes the following flags: **HOLD**, **IMM**, **CRASH** and **INTL**. Multiple flags can be entered by separating them with commas, and no intermediate or trailing spaces.

HOLD - Use of this flag signals your Mailer to hold the message on your system, for pickup by its recipient.

IMM - Use of this flag signals your Mailer to forward the message immediately, along the normal distribution path.

CRASH - Use of this flag signals your Mailer to deliver the message directly to its recipient.

INTL - Use of this flag signals your Mailer to route the message via the Zone Gate for delivery. This applies only if your message will be delivered outside your zone, and therefore you should **NEVER** use this command in conjunction with the CRASH flag.

A sample NetMail message would look like this:

```
To: Matjaz Koce
From: Joe User
Subject: Inter-zone NetMail
```

```
-----
(2:380/100)
(INTL)
```

```
This is an example of NetMail that will be sent from one zone to
another, assuming "Joe User" is not in Zone 2.
```

When FidoPCB imports newly received NetMail messages, the message header information is inserted in the message body, just above the message text, in order to facilitate your replies. This header information begins with the sender's network address, enclosed in parenthesis, using the

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Z:NNN/SSS.PPP format. Subsequent lines contain additional header information, including the contents of the **^aMSGID**, **^aINLT**, and **^aFMPT** lines.

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FIDOPCB AND UUCP DOMAINS

The UUCP family of networks are accessible to FidoNet, and vice-versa. You have the ability to send NetMail messages entered via PCBoard, into a UUCP domain, through FidoPCB. This is possible because until the message reaches the UUCP gateway, it is treated like any other. To send a message into a UUCP domain from within PCBoard, enter a message in your NetMail area, as you would any other (see the section titled, "NetMail Handling", earlier in this manual), but the message must be addressed to UUCP, in order for it to be forwarded into the UUCP domain.

On the first line of the message body, enter the Fido address of the UUCP Gateway that handles mail for your Net, using the standard NetMail Message addressing format. If your Net doesn't have an assigned Gateway, you must route the message via 1:114/15. This completes the Fido side of the message format.

In column 1 of line 2 of the message body (or line 3, if you inserted a status flag), enter the UUCP address of the intended recipient, using the format, To: <USER>@<SITE>.<DOMAIN>. Skip two lines to complete the message header, and begin the text of the message you wish to send.

When FidoPCB exports your message, the Gateway's address and any status flags are removed from the message body. The UUCP routing line is moved up to the first line of the message, which is where most UUCP Gating software expects to find it. If there is a problem with the message, it will be returned as undeliverable.

A sample inter-domain message would look like this:

```
To: UUCP
From: Matjaz Koce
Subject: Fido->UUCP Mail
```

```
-----
(1:114/15)
To: netbuddy@goodtime.uucp
```

This is an example of NetMail that will be sent to user, "netbuddy" at a UUCP site called, "Goodtime". It is routed into the UUCP domain by the UUCP gate at 1:114/15.

In order for someone in a UUCP domain to send you NetMail, the sender doesn't need to know any specific gateways to FidoNet. As long as the message is addressed to the FidoNet domain, it will be delivered to you automatically. A Fido domain address uses the format:

```
<FIRST>.<LAST>@[p<POINT>.]f<SITE>.n<net>.z<ZONE>.fidonet.org
```

Point addresses should only be used if the recipient has a one.

A message sent from a UUCP domain would be addressed like this:

```
From: netbuddy@goodtime.uucp
To: matjaz.koce@f100.n380.z2.fidonet.org
Subj: UUCP->Fido Mail
```

```
-----
This is an example of a message entered at a UUCP site, that will be
sent to Matjaz Koce at 2:380/100 via the closest Fido gateway.
```

A final word about mail in a UUCP environment. **Never** use mixed case on a UUCP style address, as they will cause messages to go astray or get lost. The only valid, mixed case statement in a UUCP address, is the **To:** Keyword. Likewise, replace any spaces in a UUCP address, with periods, as any characters following a space will be ignored.

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RUNNING FIDOPCB AS A DOOR

One of the advantages FidoPCB has to offer, is the ability to run as a BBS Door. This allows both you and your users to process mail independently from your Mailer, and from other events. In order to do this, you need to have a Fossil Driver, such as BNU or X00, loaded. You also need to have a current copy of *PCBOARD.SYS* residing in the directory defined with the PCBOARD configuration command, in order to obtain supplementary information when operating in Door mode.

On the PCBoard side, you need to enter PCBSetup Conference options screen for the conference(s) in which you wish to use FidoPCB as a Door in, and enter Door Path Editor. The PASSWORD and SECURITY options may be set as you desire, while the LOGIN, USER.SYS and DOOR.SYS options must be set to **NO**. For best results, the SHELL option should be set to either **YES** or **SWAP**. The reason for this is that when you exit PCBoard completely, the last command in the batch must reload PCBoard. In situations where a Front End is in use, it may be necessary to reload the BBS in a particular fashion, and the possibility of an inadvertent, incorrect call to the wrong batch file may take place. By shelling or swapping, this danger is eliminated completely.

Next, create a batch file to invoke FidoPCB in the directory you specified for the location of the file. You can do this from within the Door Path Editor, by highlighting the door name, and pressing the **F2** key to load the editing utility you defined for use with the PCBoard setup programs. The batch file is constructed in the same way as any other Door batch file would be, and should contain at the very least, provisions to change to the directory where FidoPCB is located, and to invoke FidoPCB with the **TOSS DOOR** options.

As with normal operation, FidoPCB will also generate the FrontDoor or InterMail semaphore files when running in Door mode. This is a function which is of particular help in the case of multinode systems.

Note: You might want to restrict access to FidoPCB if you are using it in Door mode in order to prevent its abuse, and also to keep dummy NetMail or duplicate messages from circulating around the world. Remember that if a NetMail message contains the CRASH flag, the destination system will be called directly (and that can be an expensive proposition)! The ideal solution is to only permit a few, trustworthy and reliable users, to have a security level that is high enough to access the door.

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USING AREAFIX

AreaFix commands are active when you're operating as an Echo Host, or a Network Hub. Only systems declared in the Configuration file are allowed to access the commands, permitting them to list, select and deselect areas that you have available on your system. All of these functions can be performed by simply sending a NetMail message.

When sending a message to AreaFix from within PCBoard, it must be addressed to AREAFIX, and bear an AreaFix command as the message subject. At the moment, FidoPCB's internal AreaFix only supports the **-Q** command, and therefore this is the only valid command that may be sent to a Hub running FidoPCB. Stand alone AreaFix systems support additional commands (please check with your Hub SysOp to find out which commands are valid). If a node was assigned an AreaFix password, the AreaFix command must be preceded by this password on the Subject line. If this isn't done, then FidoPCB's AreaFix will respond as being unavailable to the node.

When entering the message in PCBoard, it begins as any other NetMail message, with the recipient's network address enclosed in parenthesis at the start of the first line of the message body, using the Z:NNN/SSS.PPP format. Only one entry per line is permitted. Every AreaFix message must end with a tearline, but unless you are entering the message with your Mailer's editor, you do not need to add one at the end of the message, because FidoPCB automatically inserts a tearline when exporting messages from PCBoard.

By specifying an Area name on its own, or preceding it with a Plus symbol (+), AreaFix will add the Area name in question to your area selections list. If the Area name is preceded with a Minus symbol (-), AreaFix will remove that Area name from the area selections list. These are, in essence, instructions to AreaFix. A sample AreaFix message entered within PCBoard, looks like this:

```
To: AreaFix
From: Matjaz Koce
Subject: fidopcb -q
```

```
-----
(2:380/100)
-SYSOP.033
-NET_DEV
+CLIPPER
Fidopcb
```

When FidoPCB processes your AreaFix message, it will add or delete the areas you specified from your area selections list, and respond with a message like this:

```
From: Fidopcb(AreaFix)      Date: 22 Jun 92
To: Matjaz Koce            Time: 22:32:11
Re: Node change request
```

```
-----
MSGID: 2:380/100@FIDONET.ORG 7116606c
```

This report was generated by AREAFIX command

Areas available to 2:380/101.0 on 2:380/100.0 (level 100)¹:

Area name	Level ²
* SYSOP.033	0
* NET_DEV	0
NETSYSOP.333	100

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* ENET.SOFT		110
* VIRUS_INFO	110	
ENET.SYSOP	10	
FIDOPCB		10
CLIPPER		0

From total 7 areas, 4 are selected for you (marked with '*').

Action Area Name³

Dropped SYSOP.033

Dropped NET_DEV

Added CLIPPER

Added FIDOPCB

--- FidoPCB 1.3 [NR]

- 1** - The level listed on the available areas line, is the level defined with the NODE_LEVEL command.
- 2** - The level listed after an Area name, is the level defined with the AREA_LEVEL command.
- 3** - The Actions portion of the message indicates what changes were made to the area selections list, based on the instructions you included in the message.

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FRONTDOOR/INTERMAIL: SAMPLE FILES

I) RUNFD.BAT: This sample file demonstrates the ease with which FidoPCB can be integrated in your FrontDoor or InterMail control Batch file.

```
@echo off
:LOOP
cls

m:
cd \front
fd
if errorlevel 103 goto board
if errorlevel 102 goto board
if errorlevel 101 goto board

rem ***** IMPORT MAIL *****
if errorlevel 70 goto mail_in

rem ***** EXPORT MAIL *****
if errorlevel 60 goto mail_out

rem ***** EXIT TO DOS *****
if errorlevel 10 goto end
goto error

:BOARD
rem *****
rem * Human caller; pass to PCBoard
dobbs

:MAIL_OUT
rem *****
rem * Start event at hh:mm; prepare mail
rem * and run the PCBoard event (event.bat)
cd fidopcb
fidopcb toss strip
rem * Save statistics for this event
type fidopcb.sta >> all_stat
cd..
event.bat
goto loop

:MAIL_IN
rem *****
rem * Mail received from Fidonet; convert to PCBoard
cd fidopcb
fidopcb toss
rem * Save statistics for this event
type fidopcb.sta >> all_stat
goto loop

:ERROR
rem *****
rem * Error has occurred in FrontDoor
echo ERROR !!!!! >errors!.log
```

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```
boot
:END
echo The BBS is Down !!!
```

II) FIDOPCB.CFG: When writing this file, always use a semicolon on blank lines. The semicolon is used to treat the line as a comment. Never use a CHR(9) (Hard Tab) in command lines, but use spaces instead. Every line must end with a CR/LF sequence. The maximum length of any line is 1024 characters (unless specified otherwise). The maximum length for Path strings is 64 characters.

```
;
; FidoPCB v1.3 - Sample Configuration file for use with FrontDoor/InterMail
;
;
; Runtime Profile declaration
;
INTERFACE    frontdoor    ; Selects the Front End interface you are using on your system.
; Options: NONE, BINKLEY, FRONTDOOR, INTERMAIL
NET_TOSS     pcboard      ; Selects the system to which NetMail will be sent. Setting this
; command to BOTH, places the messages in both FrontDoor and
; PCBoard. Options: PCBOARD, FRONTDOOR, BOTH
FLAGS        on           ; Recognizes the message status flags in NetMail messages.
; Options: ON, OFF
NETWORK      off          ; When running FidoPCB in a multitasking and multinode
; environments, this command enables File Locking. NOTE: You
must
; also load SHARE.EXE at boot time. Options: ON, OFF
BELL         on           ; When an error is encountered while processing packets, a
beep is
; issued over your system's speaker, if this feature is enabled. If
you
; are operating FidoPCB under LANTastic or NOS 4.0, this switch
; should be disabled. It should also be disabled if you
experience
; lockups under other LAN environments. Options: ON, OFF
IGNORE_ECHO  on           ; When enabled, FidoPCB will export only those
messages that have
; PCBoard's ECHO flag set. If disabled, FidoPCB ignores the flag,
; and exports all messages. Options: ON, OFF
MAX_MSGS     9999         ; Specifies the number of messages FidoPCB will export in a
; session. Range: 1 - 9999 Default: 9999
DUPE_CHECK   200          ; Specifies the number of messages that will be checked for
; duplication in the areas indicated with the DUPE flag, under
Area
; Declarations. FidoPCB checks the FROM, TO, SUBJ, DATE,
; TIME and ^aMSGID fields, as well as the first ten characters
of
; each processed message. Duplicates are copied into the LOST
mail
; conference. Range: 1 - 9999 Default: 200
;
;
; System Directory Path declarations
;
```

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MAIL	m:\front\mail	; Defines the path that corresponds to where your Mailer will find ; the MSG files.
PACKET	m:\front\packet	; Defines the path where FidoPCB will place all of the outbound ; mail packets it creates.
FILE	m:\front\file	; Defines the path where your Mailer will place all incoming mail ; packets.
BAD	m:\front\bad	; Defines the path to which any incoming mail packets that could not ; be processed, are placed. If undefined, these packets may be ; processed many times
WORK	e:\	; Defines the location of FidoPCB's work directory. If at all ; possible, this should be a RAM Disk, as it will provide even ; greater speed when processing mail packets.
ARC use	c:\arc\pkarc.exe	; Defines the location of the PKARC archive program. Do not ; this parameter if the directory containing <i>PKARC.EXE</i> is file has ; been specified in your path!
UNARC use	c:\arc\pkxarc.exe	; Defines the location of the PKXARC archive program. Do not ; this parameter if the directory containing <i>PKXARC.EXE</i> is file has ; been specified in your path!
ARJ	c:\arc\arj.exe	; Defines the location of the ARJ archive program. Do not use this ; parameter if the directory containing <i>ARJ.EXE</i> is file has been ; specified in your path!
UNARJ	c:\arc\arj.exe	; Defines the location of the ARJ archive program. Do not use this ; parameter if the directory containing <i>ARJ.EXE</i> is file has been ; specified in your path!
LZH use	c:\arc\lharc.exe	; Defines the location of the LHARC archive program. Do not ; this parameter if the directory containing <i>LHARC.EXE</i> is file has ; been specified in your path!
UNLZH use	c:\arc\lharc.exe	; Defines the location of the LHARC archive program. Do not ; this parameter if the directory containing <i>LHARC.EXE</i> is file has ; been specified in your path!
ZIP	c:\arc\pkzip.exe	; Defines the location of the PKZIP archive program. Do not use ; this parameter if the directory containing <i>PKZIP.EXE</i> is file has ; been specified in your path!
UNZIP file	c:\arc\pkunzip.exe	; Defines the location of the PKUNZIP archive program. Do not ; use this parameter if the directory containing <i>PKUNZIP.EXE</i> is ; has been specified in your path!
PCBOARD location	m:\pcb	; Defines the path where FidoPCB will find <i>PCBOARD.SYS</i> . This ; path must agree with the path defined in PCBSetup for the ; of this file.
FRONTDOOR is	m:\front	; Defines the path corresponding to the location of FrontDoor. It ; used to indicate where FidoPCB will place the FrontDoor ; Semaphore files.
LOST_MAIL section	m:\fido\lost	; Defines the location of the <i>LOST.*</i> message files. This path must ; agree with the path defined in the Conference Configuration ; of PCBSetup.
NET_MAIL	m:\fido\matrix	; Defines the location of the <i>MATRIX.*</i> message files. This path

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```
Configuration ; must agree with the path defined in the Conference
;
;
; System Description
;
ORIGIN2:333/506 ; Defines the main address for your system, using the Z:NNN/SSS.PPP
; (Zone:Net/Site.Point) format.
DOMAIN fidonet.org ; Defines the UUCP organization identifier for your system,
which is ; appended to all messages sent out under your system's main
; address. Default: FIDONET.ORG
SYSOP Gregor Rudolf ; Defines the name of the SysOp of this system, as it appears in the
; NodeList.
TAG MicroArt BBS - The best in Koper,Slovenija (2:333/506)
your ; Defines the tagline appended to all messages sent out under
; system's main address.
;
;
; Alias address declarations (AKA) - Limit: 30
;
AKA 1 2:380/100 ; Defines an alias address for your system using the
Z:NNN/SSS.PPP ; (Zone:Net/Site.Point) format. The subsequent AKA_TAG and
; AKA_DOMAIN commands apply only to the current alias. The
; number preceding the alias, is a reference pointer used by the
; Node definition. Format: ## Z:NNN/SSS.PPP
AKA_DOMAIN fidonet.org ; Defines the UUCP identifier for the associated alias, and is
; appended to all messages sent out under it. Default:
FIDONET.ORG
AKA_TAG MicroArt BBS - 38 Region HUB (2:380/100)
the ; Defines the tagline appended to all messages sent out under
; associated alias.
;
;
; Message area declarations - Limit: 20 (Unregistered)
;
AREA 1 NetSysop.333 m:\pcb\fido\55
Node ; Defines the areas FidoPCB will process for your system. A full
message ; area definition consists of a reference pointer used by the
; definition, an Echo List (EList) area name, the path to the
; files as defined in the Conference Configuration section of
; PCBSetup, and an optional pass through or duplicate checking
; flag. Format: ##### ECHO LIST NAME DIRPATH FLAG
AREA_MSGS Sysops ; This optional command is used to override the default, MSGS.*,
must ; message area filenames. If this command is used, the name
; agree with the name defined in the Conference Configuration
; section of PCBSetup.
AREA_LEVEL 3 ; Defines a security level for this area, for use by AreaFix. It is
```

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```

; referenced by the NODE_LEVEL command in the Node
definition,
; and used to determine if the area can be processed by an
AreaFix
; request. Range: 0 - 9999 Default: 0
AREA      2    Echoser.033      m:\pcb\fido\56
AREA      3    Sysop.033       m:\pcb\fido\57
AREA      4    Clang.Ita       m:\pcb\fido\58
AREA      5    Pgmrs          m:\pcb\fido\59
AREA      6    Vax            m:\pcb\fido\60      NOMSGS
AREA      7    Clipper        m:\pcb\fido\62      DUPE
AREA      8    Green.029      m:\pcb\fido\54
AREA      9    Windows.Ita    m:\pcb\fido\67
AREA     10    C_echo         m:\pcb\fido\68
AREA     11    BBS_Soft.Ita   m:\pcb\fido\70
AREA     12    Tech_Net.Ita   m:\pcb\fido\71
AREA     13    Fidotest       m:\pcb\fido\73
AREA     14    Enet.Soft      m:\pcb\fido\72
AREA     15    Sysop.600      m:\pcb\fido\79
;

;
; Node declarations
;
NODE      2:333/504          ; Defines a site with which your system exchanges messages,
and the                    ; Message areas that are to be interchanged. Individual areas
are                          ; separated by commas, consecutive areas are ranged with
hyphens.                    ; If no areas are declared, packets will contain messages from
all the                      ; configured areas. Format: Z:NNN/SSS.PPP NETWORKED AREAS
SYSOP      Pietro Budicin ; Defines the name of the SysOp of the site being defined, as it
; appears in the NodeList.
COMPRESS   zip              ; Defines the compression method that will be used on
Outbound   ; EchoMail packets, and which is expected on inbound packets.
; Options: ARC, ARJ LZH, ZIP
FLOW_TYPE  hold            ; Defines the status flag that will be applied to Outbound
EchoMail   ; packets your system. Options: NORMAL, HOLD, IMMEDIATE, CRASH
;
NODE      2:333/600  1-3,7,15
NODE_LEVEL 3              ; Defines a security level for this site, for use by AreaFix. It is
; referenced by AreaFix to forward only those areas that bear an
; equal or lower security, as defined with the AREA_LEVEL
; command. Range: 0 - 9999 Default: 0
PASSWORD   fidopcb        ; Defines a password for use with AreaFix requests. The
password   ; is limited to twenty (20) characters.
SYSOP      Maurizio Biondi
COMPRESS   zip
;

```

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NODE 2:380/101 7,10,13

SYSOP Matjaz Potrc

COMPRESS zip

FLOW_TYPE hold

USE_AKA 1

be

; This optional command assigns a previously declared alias to

override

; used in place of the main system address. This will also

; the default tagline and domain values.

;

III) FIDOPCB (Door File): This file observes the standard conventions for Door invocation. In addition to the normal definitions within PCBSetup, a Fossil Driver must be in memory when FidoPCB is run as a door.

@echo off

cd \fd\fidopcb

fidopcb toss door

cd\pcb

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BINKLEYTERM: SAMPLE FILES

I) RUNBT.BAT: This sample file demonstrates the ease with which FidoPCB can be integrated in your BinkleyTerm control Batch file.

```
@echo off
:LOOP
    cls
    m:
    cd \bt
    bt unattended
    if errorlevel 103 goto board
    if errorlevel 102 goto board
    if errorlevel 101 goto board

    rem ***** EXPORT MAIL *****
    if errorlevel 70 goto mail_out

    rem ***** IMPORT MAIL *****
    if errorlevel 60 goto mail_in

    rem ***** EXIT TO DOS *****
    if errorlevel 10 goto end
    goto error

:BOARD
    rem *****
    rem * Human caller; pass to PCBoard
    dobbs

:MAIL_OUT
    rem *****
    rem * Start event at hh:mm; prepare mail
    rem * and run the PCBoard event (event.bat)
    cd fidopcb
    fidopcb toss strip
    rem * Save statistics for this event
    type fidopcb.sta >> all_stat
    cd..
    event.bat
    goto loop

:MAIL_IN
    rem *****
    rem * Mail received from Fidonet; convert to PCBoard
    cd fidopcb
    fidopcb toss
    rem * Save statistics for this event
    type fidopcb.sta >> all_stat
    goto loop

:ERROR
    rem *****
    rem * Error has occurred in BinkleyTerm
    echo ERROR !!!!! >errors!.log
```

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boot

:END

echo The BBS is Down !!!

II) FIDOPCB.CFG: When writing this file, always use a semicolon on blank lines. The semicolon is used to treat the line as a comment. Never use a CHR(9) (Hard Tab) in command lines, but use spaces instead. Every line must end with a CR/LF sequence. The maximum length of any line is 1024 characters (unless specified otherwise). The maximum length for Path strings is 64 characters.

```
;  
; FidoPCB v1.3 - Sample Configuration File for use with BinkleyTerm  
;  
;  
; Runtime Profile declaration  
;  
INTERFACE    binkley          ; Selects the Front End interface you are using on your system.  
; Options: NONE, BINKLEY, FRONTDOOR, INTERMAIL  
NET_TOSS     pcboard         ; Selects the system to which NetMail will be sent. Setting this  
; command to BOTH, places the messages in both FrontDoor and  
; PCBoard. Options: PCBOARD, FRONTDOOR, BOTH  
FLAGS        on              ; Recognizes the message status flags in NetMail messages.  
; Options: ON, OFF  
NETWORK      off            ; When running FidoPCB in a multitasking and multinode  
; environments, this command enables File Locking. NOTE: You  
must  
; also load SHARE.EXE at boot time. Options: ON, OFF  
BELL         on              ; When an error is encountered while processing packets, a  
beep is  
; issued over your system's speaker, if this feature is enabled. If  
you  
; are operating FidoPCB under LANTastic or NOS 4.0, this switch  
; should be disabled. It should also be disabled if you  
experience  
; lockups under other LAN environments. Options: ON, OFF  
IGNORE_ECHO  on              ; When enabled, FidoPCB will export only those  
messages that have  
; PCBoard's ECHO flag set. If disabled, FidoPCB ignores the flag,  
; and exports all messages. Options: ON, OFF  
MAX_MSGS     9999           ; Specifies the number of messages FidoPCB will export in a  
; session. Range: 1 - 9999 Default: 9999  
DUPE_CHECK   200           ; Specifies the number of messages that will be checked for  
; duplication in the areas indicated with the DUPE flag, under  
Area  
; Declarations. FidoPCB checks the FROM, TO, SUBJ, DATE,  
; TIME and ^aMSGID fields, as well as the first ten characters  
of  
; each processed message. Duplicates are copied into the LOST  
mail  
; conference. Range: 1 - 9999 Default: 200  
;  
;  
; System Directory Path declarations  
;
```

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MAIL find	m:\bt\mail	; Defines the path that corresponds to where your Mailer will find the MSG files.
PACKET	m:\bt\out	; Defines the path where FidoPCB will place all of the outbound mail packets it creates.
FILE	m:\bt\in	; Defines the path where your Mailer will place all incoming mail packets.
BAD could not	m:\bt\bad	; Defines the path to which any incoming mail packets that ; be processed, are placed. If undefined, these packets may be ; processed many times
WORK	e:\	; Defines the location of FidoPCB's work directory. If at all ; possible, this should be a RAM Disk, as it will provide even ; greater speed when processing mail packets.
ARC use	c:\arc\pkarc.exe	; Defines the location of the PKARC archive program. Do not ; this parameter if the directory containing <i>PKARC.EXE</i> is file has ; been specified in your path!
UNARC use	c:\arc\pkxarc.exe	; Defines the location of the PKXARC archive program. Do not ; this parameter if the directory containing <i>PKXARC.EXE</i> is file ; has ; been specified in your path!
ARJ	c:\arc\arj.exe	; Defines the location of the ARJ archive program. Do not use this ; parameter if the directory containing <i>ARJ.EXE</i> is file has been ; specified in your path!
UNARJ	c:\arc\arj.exe	; Defines the location of the ARJ archive program. Do not use this ; parameter if the directory containing <i>ARJ.EXE</i> is file has been ; specified in your path!
LZH use	c:\arc\lharc.exe	; Defines the location of the LHARC archive program. Do not ; this parameter if the directory containing <i>LHARC.EXE</i> is file has ; been specified in your path!
UNLZH use	c:\arc\lharc.exe	; Defines the location of the LHARC archive program. Do not ; this parameter if the directory containing <i>LHARC.EXE</i> is file has ; been specified in your path!
ZIP	c:\arc\pkzip.exe	; Defines the location of the PKZIP archive program. Do not use ; this parameter if the directory containing <i>PKZIP.EXE</i> is file has ; been specified in your path!
UNZIP file	c:\arc\pkunzip.exe	; Defines the location of the PKUNZIP archive program. Do not ; use this parameter if the directory containing <i>PKUNZIP.EXE</i> is ; has been specified in your path!
PCBOARD location	m:\pcb	; Defines the path where FidoPCB will find <i>PCBOARD.SYS</i> . This ; path must agree with the path defined in PCBSetup for the ; of this file.
FRONTDOOR is	m:\bt	; Defines the path corresponding to the location of FrontDoor. It ; used to indicate where FidoPCB will place the FrontDoor ; Semaphore files.
LOST_MAIL must	m:\bt\lost	; Defines the location of the <i>LOST.*</i> message files. This path ; agree with the path defined in the Conference Configuration

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section

NET_MAIL m:\bt\matrix ; of PCBSetup.
; Defines the location of the *MATRIX.** message files. This path
; must agree with the path defined in the Conference

Configuration

; section of PCBSetup.

;
;
; System Description
;

ORIGIN2:333/506 ; Defines the main address for your system, using the **Z:NNN/SSS.PPP**
; (Zone:Net/Site.Point) format.

DOMAIN fidonet.org ; Defines the UUCP organization identifier for your system,
which is

; appended to all messages sent out under your system's main
; address. Default: **FIDONET.ORG**

SYSOP Gregor Rudolf ; Defines the name of the SysOp of this system, as it appears in the
; NodeList.

TAG MicroArt BBS - The best in Koper,Slovenija (2:333/506)
; Defines the tagline appended to all messages sent out under

your

; system's main address.

;
;
; Alias address declarations (AKA) - Limit: 30
;

AKA 1 2:380/100 ; Defines an alias address for your system using the
Z:NNN/SSS.PPP

; (Zone:Net/Site.Point) format. The subsequent AKA_TAG and
; AKA_DOMAIN commands apply only to the current alias. The
; number preceding the alias, is a reference pointer used by the
; Node definition. Format: ## Z:NNN/SSS

AKA_DOMAIN fidonet.org ; Defines the UUCP identifier for the associated alias, and is
; appended to all messages sent out under it. Default:

FIDONET.ORG

AKA_TAG MicroArt BBS - 38 Region HUB (2:380/100)
; Defines the tagline appended to all messages sent out under

the

; associated alias.

;
;
; Message area declarations - Limit: 20 (Unregistered)
;

AREA 1 NetSysop.333 m:\pcb\fido\55
; Defines the areas FidoPCB will process for your system. A full
; area definition consists of a reference pointer used by the

Node

; definition, an Echo List (EList) area name, the path to the

message

; files as defined in the Conference Configuration section of
; PCBSetup, and an optional pass through or duplicate checking
; flag. Format: #### ECHO LIST NAME DIRPATH FLAG

AREA_MSGS Sysops ; This optional command is used to override the default, *MSG.S**,
; message area filenames. If this command is used, the name

must

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```

; agree with the name defined in the Conference Configuration
; section of PCBSetup.
AREA_LEVEL 3 ; Defines a security level for this area, for use by AreaFix. It is
; referenced by the NODE_LEVEL command in the Node
definition, ; and used to determine if the area can be processed by an
AreaFix ; request. Range: 0 - 9999 Default: 0
AREA 2 Echoser.033 m:\pcb\fido\56
AREA 3 Sysop.033 m:\pcb\fido\57
AREA 4 Clang.lta m:\pcb\fido\58
AREA 5 Pgmrs m:\pcb\fido\59
AREA 6 Vax m:\pcb\fido\60 NOMSGS
AREA 7 Clipper m:\pcb\fido\62 DUPE
AREA 8 Green.029 m:\pcb\fido\54
AREA 9 Windows.lta m:\pcb\fido\67
AREA 10 C_echo m:\pcb\fido\68
AREA 11 BBS_Soft.lta m:\pcb\fido\70
AREA 12 Tech_Net.lta m:\pcb\fido\71
AREA 13 Fidotest m:\pcb\fido\73
AREA 14 Enet.Soft m:\pcb\fido\72
AREA 15 Sysop.600 m:\pcb\fido\79
;
;
; Node declarations
;
NODE 2:333/504 ; Defines a site with which your system exchanges messages,
and the ; Message areas that are to be interchanged. Individual areas
are ; separated by commas, consecutive areas are ranged with
hyphens. ; If no areas are declared, packets will contain messages from
all the ; configured areas. Format: Z:NNN/SSS.PPP NETWORKED AREAS
SYSOP Pietro Budicin ; Defines the name of the SysOp of the site being defined, as it
; appears in the NodeList.
COMPRESS zip ; Defines the compression method that will be used on
Outbound ; EchoMail packets, and which is expected on inbound packets.
; Options: ARC, ARJ LZH, ZIP
FLOW_TYPE hold ; Defines the status flag that will be applied to Outbound
EchoMail ; packets your system. Options: NORMAL, HOLD, IMMEDIATE, CRASH
;
NODE 2:333/600 1-3,7,15
NODE_LEVEL 3 ; Defines a security level for this site, for use by AreaFix. It is
; referenced by AreaFix to forward only those areas that bear an
; equal or lower security, as defined with the AREA_LEVEL
; command. Range: 0 - 9999 Default: 0
PASSWORD fidopcb ; Defines a password for use with AreaFix requests. The
password ; is limited to twenty (20) characters.

```


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```
SYSOP      Maurizio Biondi
COMPRESS   zip
;
NODE       2:380/101  7,10,13
SYSOP      Matjaz Potrc
COMPRESS   zip
FLOW_TYPE  hold
USE_AKA    1          ; This optional command assigns a previously declared alias to
be          ; used in place of the main system address. This will also
override   ; the default tagline and domain values.
;

```

III) FIDOPCB (Door File): This file observes the standard conventions for Door invocation. In addition to the normal definitions within PCBSetup, a Fossil Driver must be in memory when FidoPCB is run as a door.

```
@echo off
cd \bt\fidopcb
fidopcb toss door
cd\pcb

```

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THE FPCONFIG UTILITY

FPCONFIG is a Configuration File Editor for FidoPCB. You can use it to create a new Configuration file, or edit an existing one. The discussion of FidoPCB commands in this section is brief, as they have been discussed in detail, earlier. Detailed help is always available by pressing the F1 key within the editor. In addition, the following keys facilitate navigation within the program:

- To move between fields: ←, ↑, ↓, →, HOME, END, TAB, SHIFT+TAB
- To confirm fields: ENTER
- To bring up Picklists: F2
- To move between input screens: PGUP, PGDN
- To erase lines: ^Y
- To restore previous field content: ^U
- Hot keys: ALT+highlighted letter

In order to load the Configuration editor, the path and the name of PCBoard's Extended Conference file, *CNAMES.@@@*, must be specified.

Syntax: FPCONFIG [d:[path]]CNAMES.@@@ [/m]
Switch: /M - Forces monochrome mode.

After loading, *FPCONFIG* will scan the current directory for the existence of a FidoPCB Configuration file (*FIDOPCB.CFG*). If the file exists, then the parameters for the various commands will be loaded. For those commands that have not been included, their respective defaults will be assumed. Should no Configuration file exist, you will be asked if you wish to proceed with a blank configuration. Choose YES to create a new file.

At this point the program will display a list of configurable sections. Use the arrow keys to select the section you wish to edit. After completing the configuration, press the ESC key to exit the program. You will be asked if you wish to save the changes. These will be written to *FIDOPCB.NEW*, which can later be renamed to *FIDOPCB.CFG*. If you are editing an existing Configuration file, the suggested procedure is:

```
FPCONFIG
FIDOPCB TOSS
COPY FIDOPCB.NEW FIDOPCB.CFG
FIDOPCB SET ALL TOP
```

I) GENERAL INFORMATION: This option requests information about your system. If you registered FidoPCB, then the information stored in the Key File overrides some of these options.

II) ARCHIVERS: This option requests the path and names for the various utilities which FidoPCB uses to create and extract Mail archives. Do not specify any of these utilities if their location has been defined with the PATH environment specifier.

III) AKA'S: This option lets you assign aliases by which your system is known. With the current version of *FPCONFIG*, you can declare up to 10 aliases, along with their associated taglines and UUCP Organization identifiers. To declare additional aliases, you will have to edit the Configuration file manually.

IV) AREAS: This option lets you assign the EchoMail areas you will be carrying on your system. Although FidoPCB itself will handle the number of conferences allowed by your Key File (or 20 when

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unregistered), the current version of *FPCONFIG* will only handle 1024 areas. Additional areas can be added manually to the Configuration file.

Press the ENTER key on a field in order to bring up the Area Editor. Pressing F2 on the **NAME**, **FILE** or **PATH** fields, will allow you to copy the information from the PCBoard Extended Conference picklist, into the Configuration file. ESC will close the picklist.

V) NODES: This option lets you define up to 30 nodes with which your system will be exchanging messages. Press the ENTER key while in the Node Declarations screen to define a node.

After the definition has been completed, you will be returned to the Declarations screen. At this point, press F2 to bring up the Areas picklist. This picklist contains the areas you defined previously. To make a selection, highlight the area you wish to add, and press the SPACEBAR to toggle it. Selected areas will be marked with a check mark (✓). You can deselect marked areas in the same fashion. To return to the Declarations screen, press the ESC key.

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COMMON QUESTIONS

Q: When I run FidoPCB, it exports mail without a hitch, but it doesn't see archives sent by my hub. How come?

A: There are several archive naming conventions available to FidoNet technology. FidoPCB uses the FTS-2 convention. If this problem occurs, chances are that the archive name is not in this format. First, make sure that your hub is using FTS-2 naming. Next, extract the PKT files contained in the archive to the directory specified by the WORK command and try to import them with FidoPCB. Assuming this works, and your hub is sending FTS-2 archives, the error is in the Node number defined in *FIDOPCB.CFG*, for that site.

Q: How do I determine the correct FTS-2 archive names expected by FidoPCB?

A: The prefix name is composed of hexadecimal values calculated from the Region, Net and Node numbers involved, and the extension consists of the day of week plus a packet number. The prefix is composed of two values of four characters each, the first representing the Region and Network, the second representing the Node number of the destination.

To obtain the first value, the recipient's Network number, is subtracted from the sender's, and the result is then converted to a Hexadecimal value. For the second value, the recipient's Node number is subtracted from the sender's and converted to Hexadecimal. For example, if the sender is 1:273/214, and the recipient is 2:380/100, the packet prefix would be **FF950072**, and **006DFF8E** going the other way. This breaks down as follows:

273-380 = -107 or FF95h, and 214-100 = 114 or 0072h
380-273 = 107 or 006Dh, and 100-214 = -114 or FF8Eh

The extension consists of the first two letters for the day of week, followed by the packet number for that day. For example, **SU0** would be the first packet on a Sunday, or **FR3** would be the fourth packet on a Friday.

Q: FidoPCB doesn't see inbound Message Archives, and yet their names conform to the FTS-2 standard, and are the ones FidoPCB expects to receive. What is wrong?

A: This problem occurs when you use the FrontDoor Mailer, and invoke it with the /NOUNPACK switch. This switch causes FrontDoor to not process incoming Message Archives. Remove this switch, and things should work properly.

Q: Does FidoPCB work with operating systems other than MS-DOS?

A: Absolutely! While most SysOps use Microsoft's MS-DOS, version 3.0 or later, some use other operating systems, such as Novell's DR-DOS v6.0 on their computers.

Q: When FidoPCB tosses messages to the BBS, they wind up in the wrong conference, or in the Lost Mail area. Why?

A: The problem lies in the Area declarations section of your configuration file. In the case of messages being placed in the wrong conference, you should check the path and optional filename you specified, against the ones defined in PCBSetup. Messages that end up in the Lost Mail area, usually do so because the area they belong to, has not been defined in *FIDOPCB.CFG*.

Q: Can the Area Declarations in FidoPCB be assigned any number, so as to coincide with the respective Conference numbers within PCBoard?

A: This is not a recommended practice. While feasible, it can lead to unpredictable results. For ease of mind's sake, it would be better to start your Area Declarations with 1, and be increment them sequentially.

Q: Does FidoPCB support File Request and File Attached messages?

A: At the moment, these types of messages are not supported internally. It is possible that these features will be included in a future release.

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Q: Is FidoPCB capable of sensing the compression method used on inbound archives from undeclared systems, and using the correct extraction utility to process them?

A: No, this is a feature that will become available in a future release, but since FidoPCB is only capable of processing mail archives from declared systems, archives from undeclared sites need to be processed manually in any case.

Q: How large is the control file that is created when the **DUPE** flag is set, and where is it created?

A: The Duplicate Message control file generated by FidoPCB, uses the same root name as the message file, but has a **.DUP** extension, and is located in the same directory as the Message Files. It consists of 4 bytes per checked message, with the number of messages checked, corresponding to the value assigned to the **DUPE_CHECK** command. For instance, if you specify that 200 messages be checked, each control file will take up 800 bytes of disk space.

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FIDOPCB REVISION HISTORY

- 10/24/91** First inclusion of Revision History, in FidoPCB v1.0β
- 11/12/91** **NEW:** Added the **FORCE** parameter to the command line options, which allows the exporting of messages with * **ORIGIN** lines.
NEW: Added the **NET_TOSS** Configuration command, which specifies where NetMail messages will be placed.
NEW: Added internal support for **AreaFix**. Very useful in Echo Host situations. Message body limit is now 20Kb (this is still not enough). When using AKA's, the size is put into SEEN-BY line.
PKZIP, PKARC and ARJ are now executed in a window.
Minor changes to screen outputs.
Fixed minor bugs.
- 11/13/91** **NEW:** Added **HOLD**, **IMM** and **CRASH** flag support for NetMail messages.
- 11/16/91** **NEW:** Added Log File.
Fixed bug with unpredictable message flags.
Changed packet addressing.
Problem with duplicate MSG files from FrontDoor is still unresolved.
- 11/29/91** **NEW:** Added the **NETWORK** Configuration command, which indicates if a Network is in use, or not.
NEW: Added file and record locking. PCBoard files are opened in Deny None mode. Rewrote Packet Reading routine, as it was causing problems with CHR(1), which is illegal!
Speeded up Message tossing.
Messages from FrontDoor were duplicated because *FM* changed their date and time. To solve this problem, set **NET_TOSS** to **PCBOARD** in *FIDOPCB.CFG*.
Fixed some minor bugs.
- 12/03/91** **NEW:** Added the **IGNORE_ECHO** Configuration command, which ignores the **ECHO** flag on PCBoard messages.
Routine to export messages now strips trailing blanks
Optimized some routines to reduce the size of the program, and increase its speed.
Cosmetic reformat of Log File entries.
- 12/25/91** Fixed bug which caused duplicates when messages containing CHR(2) message separators in the body text were received. This is illegal!
- 01/01/92** Release of v1.0 as Shareware
- 01/11/92** **NEW:** Inter-zone NetMail messages can now be sent. FidoPCB automatically generates the necessary flags.
FidoPCB now supports 5 digit Network and Node numbers. This had been inadvertently limited to three digits.
- 01/12/92** **IMPORTANT:** FidoPCB now requires at least 200k RAM free, plus approximately 100k for the supported archiving software. Please check the archiver's documentation for the exact memory requirements.
Reorganized the Static and Dynamic buffers, yielding a maximum message size of 64Kb.

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- 01/16/92** Released v1.1β
- NEW:** Added the **FRONTDOOR** Configuration command, to define the location of the FrontDoor System directory.
 - NEW:** Added the **PCBOARD** Configuration command, to define the location of *PCBOARD.SYS*.
 - NEW:** Added Configuration commands to define the location and names of the archiving software. The commands are: **ZIP, UNZIP, ARC, UNARC, ARJ, UNARJ, LZH, UNLZH**, and are used only if the location of the software has not been defined in your PATH statement.
 - NEW:** Added the **DOOR** parameter to the command line options, which allows you to run FidoPCB as a door.
 - NEW:** If you add the **INTL** flag to a NetMail message, it will be sent through the Zone Gateway, otherwise it is sent through normal channels.
 - NEW:** If the execution of an archiver returns an error code while packing exported messages, the Last Message Read (LMR) pointers will not be updated.
 - NEW:** FidoPCB now generates FrontDoor's *FDRESCAN.NOW* and *FMRESCAN.NOW* semaphore files when MSG files are created.
- 01/25/92** Fixed bug with Crash, File Attach messages
- 02/01/92** Release of v1.1 as Shareware
- 05/16/92** Released v1.2β
- IMPORTANT:** The registration method has changed! FidoPCB can now be registered with a Credit Card (MasterCard or EuroCard only), and the registration form may be sent via: NetMail, Fax, or regular Mail. You may also file the online registration questionnaire on MicroArt BBS, or by posting the registration form as a comment to the SysOp. Four different versions of FidoPCB are available. Pricing of the various versions are listed in the chart to the left. The new prices were necessitated by the high cost of user support in the USA, and because of the costs involved in Credit Card acceptance. After receipt and verification of the order, a Key File will be uploaded to your BBS.
 - IMPORTANT:** FidoPCB now uses a Key File for registration! A Key File is not supplied with the unregistered version. The program operates in Unregistered mode until a Key File containing some of the information located in the *FIDOPCB.CFG* file is used.
 - NEW:** Added duplicate checking, wherein all duplicates will be copied into the **LOST MAIL** area. The first two lines of these messages contain **DUPLICATE** and the Area Name, so you can check if they really are duplicates and take the proper action.
 - NEW:** Added the **DUPE_CHECK** Configuration command, which specifies the number of messages to check for duplication. Use of this parameter generates the file, *<msgfile>.DUP*. The size of this file depends on the number of messages to be checked (4 bytes/message). The following fields are checked: **FROM, TO, SUBJ, DATE** and **TIME**. In addition, the first ten (10) characters of the message body are also checked.
 - NEW:** Added the recognition and use of the **^aMSGID** flag and the **@DOMAIN** field. to exported messages.
 - NEW:** Added recognition of the **^aINLT** flag on imported NetMail messages to obtain the Zone of origin, on incoming messages.
 - NEW:** Added recognition of the **^aFMPT** flag on imported NetMail messages to obtain the Point of origin, on incoming messages.
 - NEW:** Private PCBoard messages are now exported with the **PRIVATE** flag set. This flag is also honored on imported, private, messages.
 - NEW:** Processed packet names are now listed in *FIDOPCB.LOG*.
- FidoPCB properly checks for the existence of * **ORIGIN** lines when exporting messages.

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A bug caused this to work only 0% - 50% of the time.
Fixed minor bugs with **SEEN-BY** lines.

05/18/92 **NEW:** When exporting messages, FidoPCB looks for the occurrence of **SYSOP** in the **FROM** and **TO** fields of the message header. If found, it is changed into the name defined by the **SYSOP** parameter in *FIDOPCB.CFG*. This was done to reduce confusion among SysOps, who would otherwise get a lot of mail that is incorrectly addressed to them.

05/22/92 **NEW:** FidoPCB now checks NetMail messages to see if they are destined for a node for which you use an AKA. If such a message is found, the AKA corresponding to EchoMail routed for that site, will be used for the NetMail message.

05/27/92 **NEW:** Domain strings may be specified for each AKA defined in the configuration file. This is applied to the **^aMSGID** line on exported messages, and can be up to 20 characters in length.

FidoPCB can now be configured for 30 nodes (previous versions were limited to 10). This requires you to set FILES=65 in *CONFIG.SYS*!
NetMail messages received in PKT format are now treated the same way as those received in MSG format.

05/27/92 Release of v1.2 as Shareware.

07/06/92 Released v1.3β

NEW: Direct support for InterMail. To this end, the **INTERMAIL** option has been added to the INTERFACE command.

NEW: File Attach messages now list the sender as *ARCMail*, in the **FROM** field.

NEW: FidoPCB will create only one archive packet for each defined system, and checks for existing File Attach message. If such a message already exists, the new packet will be added to the current archive, instead of creating a new one. Incoming packets are now sorted by date and time.

07/08/92 **NEW:** Added the **FLAGS** Configuration command. When enabled, FidoPCB will honor the **CRASH** and **IMM** flags in NetMail messages. If disabled, these flags will be ignored, keeping regular users from sending CrashMail messages all over the world (if you permit public access to the NetMail area).

NEW: The amount of free memory before Packet Processing is displayed when FidoPCB is being loaded. This should be useful for debugging memory related problems.

IMPORTANT: Renamed the **NO_BELL** Configuration command, to avoid confusion with its use. The new name for this command is **BELL**, and while its use has not changed, the implementation has been reversed. For example: **NO_BELL ON** is the same as **BELL OFF**.

07/12/92 Fixed a bug relating to **SEEN-BY** lines with packets generated by SQUISH, which caused duplicate messages to be sent out.

07/15/92 Fixed a bug that caused * **ORIGIN** lines to be deleted.

08/15/92 Fixed a bug that caused messages whose **SEEN-BY** lines ended with a SPACE/CR combination, to be returned to the Hub. FidoPCB only expected a CR at the end of each **SEEN-BY** line, and was unable to locate additional lines.

Fixed problem whereby Node Declarations included a broad range of Area Numbers, but not all of the areas within that range are declared. FidoPCB used this range as the basis for its area count instead of the Area Declarations, for comparison with the

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limit set in the Key file. Subsequent areas were ignored, regardless of their being declared or not.

- 09/04/92** **NEW:** Added Destination, Origin and Size of MSG files to the log file
NetMail to/from points is now handled correctly
Removed the CR/LF that remained on the first line of the message body in outbound NetMail messages after the FidoNet address was stripped out. This lets messages conform with the requirements of Fido<-->UUCP Mail tossers, which look for the UUCP **TO:** line on the first line of the message.
Fixed the handling of compressed NetMail packets. Messages addressed to other nodes are now routed to them instead of imported into the MATRIX conference
- 09/25/92** Release of v1.3 as Shareware.

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SUPPORT AND DISTRIBUTION

A support echo for FidoPCB has been established, and is carried by most FidoPCB support sites. As of this writing, however, the echo is in the process of being added to the EchoList, with the ultimate objective being its inclusion in the Backbone Distribution. Until this is accomplished, you are invited to contact Echo Moderator, George Silberstern at 1:273/214, for instructions on how to pick it up.

The network of FidoPCB support and distribution sites all carry the latest Shareware release version of FidoPCB. Some sites also distribute the most recent FidoPCB Beta releases. If you encounter any problems with the program, simply join the support conference. The Support SysOps, my partners and myself, are here to answer your questions. All we ask, is that you be patient in waiting for your answer on account of the intercontinental nature of the support echo. The following, is the list of FidoPCB support sites around the world:

COUNTRY	BBS NAME	ADDRESS	TELEPHONE	PROTOCOL	SYSOP
Slovenia	MicroArt BBS	2:380/100	+38 66 349-86	V.32	Gregor Rudolf
	MojsteR BBS	2:380/101	+38 68 237-31	V.32bis	Matjaz Potrc
Italy	Fido_TS_1	2:333/603	+39 40 378-3111	V.32bis/HST	Pietro Budicin
USA	The Sweet Life	1:102/815	1 818 882-9058	V.32bis/HST	Mike
Waldron Silberstern	NETRef BBS	1:273/214	1 215 736-1889	V.32bis/HST	George

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- All beta testers
- Gregor Rudolf, who helped me with advice.
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- George Silberstern, for providing user support in the USA, starting the FidoPCB Support echo there, and working with the documentation.
- Mosaic v1.0 and other PCBoard mailer/tossers. Their bugs, slow processing, and other shortcomings made me feel so awful, that I decided to write a tosser/scanner of my own.

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GLOSSARY

FIDONET - An amateur, worldwide network of over five thousand Computer Bulletin Boards of all types, dedicated to the interchange of messages. The network was started in San Francisco, Ca. in 1984 by Tom Jennings and John Madill.

FTS - Acronym for Fido Technical Standard. FTS standards define the format of various aspects of FidoNet interactions and protocols, including EchoMail (FTS-4), Nodelist formats (FTS-5), Addressing formats (FTS-2), and so forth.

FOSSIL - Acronym for Fido/Opus/Seadog Standard Interface Layer. It is a memory resident program that works with a computer system's Serial Communications hardware.

HUB - A system on the FidoNet Network that routes messages to other systems.

LMR - Acronym for Last Message Read. A pointer to the last message number processed (or read, depending on the use) by a reader or mail managing utility.

NODE - An individual BBS system in the network. Also refers to individual dial-in lines of a multi-user system.

PASS-THROUGH - A message area that is not received for publication on the system handling it, but that is sent along to another system in the network.

POINT - FidoNet node serving an individual end user, who receive large quantities of NetMail and EchoMail, but don't necessarily terminate in a BBS.

SHAREWARE - Software that has been released to the public for use over a specific trial period. If after this trial period, the user continues to use the software, the user purchases a registration license from the author(s).

UUCP - Short for Unix to Unix CoPy. An electronic network messaging format, similar in capability to that of FidoNet, but usually running on Unix or Xenix based systems, and funded by various Educational, Government and Corporate institutions. Several networks use the UUCP messaging format, including USENET, Internet, ARPANet and Bitnet.

ZONE GATE - A Hub on the FidoNet network that transfers messages and mail between Network regions. FidoNet currently consists of five regions: Region 1 covers the United States and Canada. Region 2 covers the European Continent. Region 3 covers Oceania (Australia, New Zealand and the Pacific Island Chains). Region 4 covers Central and South America. Region 5 covers the African Continent. Region 6 covers Asia and the Far East. Other Zone numbers are used for networks that use Fido Technology to interchange messages, and can also be gated (tied into) FidoNet.