

# Phonebill

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log file analyzer  
Version 3.1

4-Oct-94

by Raymond Penners

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## 2 Introduction

‘phonebill’ is, simply said, a log file analyzer. What it basically does is scan log file(s) generated by a terminal program or a mailer, extract all information about calls you have made by using your modem, and store this in its own (short) format. After extracting the calls ‘phonebill’ can generate various reports in which you can find information on duration and costs of the calls.

Here is a small list of the main features:

- Very flexible user-configurable rates, supporting exceptions for certain days and dates. Handles fees and time units with up to 9 decimals (e.g. \$1.2344657 dollars per 30.225678 seconds).
- User-configurable log scanners: ‘phonebill’ by default supports various log files, but for any log file that is not supported the user is able to create a scanner. The following is a list of log files that are already supported:
  - AutoPilot
  - CyberPager
  - GPFax
  - JrComm
  - MagiCall
  - MicroDot
  - Multifax (both v2.0 and Multifax professional)
  - NComm
  - Term action log and Term call log
  - Terminus
  - TheAnswer
  - TKR-BTX
  - Trapdoor
  - Trapfax
  - UUCP TimeLog
  - XenoLink
- Log files can be automatically truncated if their size exceeds the maximum size.
- Generates miscellaneous reports: statistics, total costs, ....
- Context-sensitive online help.
- Requires Kickstart 2.04 or higher.
- Supports new 3.0 features (new look menus, ...).
- Nice ‘Amiga User Interface Style Guide’ conformant user interface.

## 3 Installation

There are two ways to install ‘phonebill’: the hard way and the easy way. If you choose the latter, just double click the ‘Install phonebill’ icon to execute the Commodore installer. This installer can be found on the ‘Install2.1’ or ‘Install3.0’ disk from Commodore. If you don’t have it then you’ll have to install the program manually, which really is not that hard. Just drag the ‘phonebill’ drawer over the drawer where you like to copy it to. If you haven’t used any previous version of ‘phonebill’ then this is all you have to do. If you already have a version older than 3.0 installed then you’ll have to follow these steps:

- Convert the configuration files so that they can be used with this release. This can be done by running the supplied program called ‘ConvertConfig’ from the shell:  

```
1> ConvertConfig
```
- After running the converter, the new configuration files can be found in ‘T:’. You should copy these files to the ‘Phonebill/Config’ directory, e.g.:  

```
1> copy T:#?.config Phonebill/Config
```
- If you wish, delete the ‘phonebill’ configuration files found in ‘ENV:’ and ‘ENVARC:’.  

```
1> delete ENV:Phonebill all
1> delete ENVARC:Phonebill all
```

## 4 Workbench and Shell

The program can be started from both the shell and the workbench. When started from the shell, the program accepts commandline arguments. To view all known arguments, supply a "?" as the only argument to the program, for example:

```
1.SPHINX-0-HD:Comm/Phonebill> Phonebill ?
```

The following keywords/switches are supported:

**PROC=PROCESS/S**

Supplying this switch will cause the program to process the log files and return control to the shell when done.

**LIST=LISTCALLS/K,BILL/K,STATS=STATISTICS/K,BILL/K**

Generates the specified report and outputs it to a file.

**FROM/K,TO/K**

Use these to specify the scanrange. If you don't supply these arguments the range specified in the configuration will be used.

**QUIET/S** Supplying this argument disables output produced when processing the logs.

The following command will cause the program to quietly process the log files and then save two reports. The former will be displayed in the console, the latter will be saved to 't:bill.txt':

```
1> phonebill proc list=* bill=t:bill.txt quiet
```

## 5 Menus

The following sections describe the menu items available in the ‘phonebill’ main panel.

### 5.1 Project

- Iconify** Closes the window and drops an icon labeled ‘phonebill’ on the Workbench window. Double-clicking this icon will cause the program to wake up and to return the state it was in before it was iconified.
- About ‘phonebill’...**  
Shows some additional information on the program.
- Quit** Terminates the program. If the configuration has been changed, you will be prompted to confirm your decision.

### 5.2 Settings

- Miscellaneous...**  
See Section 6.2 [Miscellaneous settings panel], page 8.
- Host...** See Section 6.5 [Hosts panel], page 10.
- Log...** See Section 6.3 [Log files panel], page 9.
- Save settings**  
Saves all the configuration files to disk.

### 5.3 Groups

Note: this menu is only available if groups have been defined. See Section 6.11 [Group settings panel], page 13.

If the **Default** item is checked, all hosts will be taken into account when generating reports. However, if **Default** is not checked, only hosts that are member of the checked groups will appear in the reports.



## 6 Control panels

### 6.1 Main panel

Here it all begins. This panel provides gadgets and Chapter 5 [Menus], page 7 which give you control over the main functions of the program.

#### Process logs

Scans and/or truncates all listed log files, See Section 6.3 [Log files panel], page 9. If new calls were found, they will be added to the binary log file.

**Settings** See Section 6.2 [Miscellaneous settings panel], page 8.

**About** Shows some additional information on the program.

**From, To** The dates entered here specify the period over which a report is to be made.

#### Statistics, Bill, List calls

Selecting one of these will cause a report to be generated. If the program encounters calls to a host that is not known, you will be prompted to either add the host, skip it, or cancel the report generation. When the report was generated successfully, it will be shown to you using a text viewer.

#### Maintenance

See Section 6.10 [Maintenance panel], page 13.

### 6.2 Miscellaneous settings panel

In the miscellaneous panel you can configure general program options.

#### Binary log file

The file name of the binary log file used for storing calls.

#### Carrier detect time

It always takes some time before your modem has detected a carrier. The connect time in the log files generated by your terminal program are therefore incorrect, because the modem has been online trying to get a carrier for a couple of seconds. For example, it takes my modem approximately 15 seconds to connect.

#### Save dates on exit

If this option is checked, the <from> and <to> date will be saved automatically when you exit the program.

**Text viewer**

The text viewer to be used for displaying reports.

**Report file**

The file name of the report to be generated.

**Bill sort method**

The order in which the hosts from the bill report are to be sorted.

**Delete report after viewing**

If this option is checked, the report will be deleted after it has been viewed.

**Save**

Saves current settings, and closes the panel. The from- and to dates from the main panel are also saved.

**Use**

Closes the panel, without saving the settings.

## 6.3 Log files panel

In the log files panel you can add, remove log files and edit their options for use with the program.

**Log files** The list of log files to be processed by the program.

**Add** Adds a new log file to the list.

**Edit** Lets you edit the settings of the selected log file, See Section 6.4 [Log settings panel], page 9. Log files can also be edited by double clicking the entry in the list.

**Remove** Removes the selected log file.

**Save** Saves current log files settings, and closes the panel.

**Use** Closes the panel, without saving the log files settings.

## 6.4 Log settings panel

This is where you edit the options of a log file.

**File name** The file name of the log file.

**Max. size, Truncate %**

The maximum size in kilo-bytes of the log file. If the files' size exceeds this value, the file will be truncated to the percentage specified in **Truncate %** of the original size. This only works if the **truncate** option is activated.

**Scan log file**

If this option is enabled, the log file will be scanned for calls using the scanner selected in the list of **Scanners**.

**Truncate log file**

If this option is enabled log files will be truncated. See **Max. size**.

**Check archivebit**

If enabled, the files' archivebit will be set after processing. If a log file with the archivebit set is encountered, it will be regarded as not changed since the last time it was scanned. Selecting this option increases processing of the log files significantly.

**Scanners** A list of several types of log files the program is able to scan. Select the appropriate entry that belongs to the current log file if you wish to scan the log for calls.

## 6.5 Hosts panel

In the hosts panel you see a list of all 'known' hosts. You can add, remove and edit hosts.

- Hosts** The list of hosts known to the program.
- Add** Adds a new hosts to the list.
- Edit** Lets you edit the settings of the selected host, See Section 6.6 [Host settings panel], page 10. Hosts can also be edited by double clicking the entry in the list.
- Remove** Removes the selected host.
- Save, Use** Save and/or use the current settings. Please note that the rate settings are also saved, since hosts and rates depend on each other.

## 6.6 Host settings panel

In the host panel you can specify information about the host, like carrier detect time, rates, and telephone number.

**Name, Telephone number**

The name and/or telephone number of the host. You must at least fill in one of these. If a host has more than one node, you can enter the telephone numbers seperated by a vertical bar | character, e.g.: "12345|6789".

**Use default, Carrier detect time**

If the carrier detect time is not the same for each host, you can choose here whether you want to use the default carrier detect time as specified in the Section 6.2 [Miscellaneous settings panel], page 8 or use the **Carrier detect time** specified for this host.

**Rate** The rate set for this host.

**Groups** Check all groups you wish the host to be a member of. See Section 6.11 [Group settings panel], page 13.

**Use, Cancel**

Use or drop the current host settings.

## 6.7 Rates panel

In the rates panel you can create new rates, or modify existing rates.

**Rates** This list contains all installed rates.

**Add** Adds a new rate to the list.

**Copy** The selected rate will be duplicated.

**Edit** Lets you edit the selected rate, See Section 6.8 [Rate settings panel], page 11.

**Remove** Removes the selected rate.

**Save, Use** Save and/or use the current settings. Please note that the host settings are also saved, since hosts and rates depend on each other.

## 6.8 Rate settings panel

The information to be specified in this control panel will be used to calculate the amount of money to be paid for a call.

**Name** Specifies the name of the rate.

**List of periods**

The phone companies have the bad tendency to increase the costs you have to pay each couple of years. This will cause calls in a certain time period to be accounted different than calls in another time period. You can specify a different rate for each period, for example: from 1-jan-90 to 1-jan-92 there is rate A, but from 1-jan-92 up to now is rate B. You'll find all different periods in the list of periods

**Add, Copy, Edit, Remove**

Use these to add, copy, edit and remove certain rate periods.

## 6.9 Rate period settings panel

The information to be specified in this control panel will be used to calculate the amount of money to be paid for a call, specifically for a certain time period.

**From, To** The period in which the rate settings specified in this panel are active. If you don't want to set a date, then just enter nothing.

**Days and dates**

This list contains the standard settings and exceptions for certain dates and days of the week. When calculating the costs for a call, 'phonebill' first checks if the date on which the call was made is listed in one of the exceptions. If this is the case, then the settings for that exception will be used. If this isn't the case, the day of the call will be compared with the days listed in all 'day' exceptions. If no exception is found, the standard settings will be used.

**Add date(s)**

Will invoke a control panel to create a new rate entry to be used on specific date(s). Multiple dates should be separated by a vertical bar | character, e.g.: "25-Dec|1-Jan".

**Add day(s)**

Will create a new rate entry referring to one or more days of the week. Use the buttons of the control panel to select the days the current settings will be valid for.

**Time**

For each entry in the **Days and dates** list there is at least one associated starting time available which defines when the associated rate settings are to be used. You will find the time settings in the list titled **Time**. To add a new time use the **Add** button, to edit an existing entry, use the **Edit** button. To remove an entry, press the **Remove** button.

**Units**

For each entry in the **Time** list there is at least one associated unit available which defines how much you have to pay per second starting at that time. Normally, only one entry will be listed. If the first unit should be accounted differently than the second, you can enter two different units in the **Units** list. This can be applied to as much units as you like. If you only have to pay for the connection, then just set the first units' seconds to zero, and set the costs in **Minimal costs**.

## 6.10 Maintenance panel

In the maintenance panel you can modify the binary log file. Only calls that fall within the specified scan range from the main panel will be shown in the list.

<b>Add</b>	Adds a new call to the list.
<b>Edit</b>	Lets you edit the selected call. Calls can also be edited by double clicking the entry in the list.
<b>Remove</b>	Removes the selected call from the list.
<b>Remove all</b>	Removes all calls from the list.
<b>Save</b>	Saves the binary log file.
<b>Cancel</b>	Closes the maintenance panel without saving any changes.

## 6.11 Group settings panel

Hosts can be divided into several groups, for example hosts where you 'poll' your mail belong to the group "Mail". In the group panel you control the groups.

<b>Groups</b>	This list contains all installed groups.
<b>Add</b>	Add a new group to the list.
<b>Remove</b>	Removes the selected group from the list.
<b>Save,Use</b>	Save and/or use the current settings.

## 7 User interface notes

To operate a gadget, press the key corresponding to the letter highlighted in the gadget label. Suppose a slider is labeled **Minutes** with the letter **M** underlined; in order to increase the slider value one has to hit the key labeled **M**, to decrease the value one is to hold down either **Shift** key while pressing the key **M**.

Windows in which only a single scrolling list is present cursor keys may be used to scroll the contents.

The **Return** and **Escape** keys are respected by most windows. A button surrounded by a recessed box represents the default choice in a requester, pressing the **Return** key will select it. The **Escape** key mostly selects the most negative response (e.g. 'Cancel'), whereas the **Return** key selects the most positive response (e.g. 'Use'). Most windows to feature a close gadget in the upper left corner can be closed by pressing the **Escape** key.

Numeric entry fields accept input several notations, namely hexadecimal (**\$..** and **0x..**), octal (**&..**) and binary (**%..**).

The user interface support library tries to make all control panel windows fit on the screen. If the first attempt fails a different font is used. If this did not help either a new screen will be opened for the window.

## 8 Configuration

This section describes briefly how to configure ‘phonebill’ manually by editing the configuration files. All configuration files are plain ASCII text files, which are parsed at startup of the program. For each configuration file there are several keywords which let you control the certain variables. The following list describes all keyword types:

**string** A keyword of type **string** is of the following form:

```
(<NAME> <STRING>)
```

where <STRING> is a valid c-style string.

**stringlist**

Keywords of type **stringlist** are of the following form:

```
(<NAME> <STRING1> <STRING2> ... <STRINGn>)
```

**integer** Keywords of this type are used to assign a integer value to a variable:

```
(<NAME> n)
```

where **n** is a valid integer number.

**boolean** A keyword of type **boolean** can only have the value 1 (which stands for **true**) or 0 (which stands for **false**).

**block** Keywords of this type are used to enter a block in which a new set of keywords is valid.

```
(<NAME>
    ; Block keywords
)
```

Most configuration files can be controlled by editing the settings using the the program. The description of these configuration files will therefore be omitted.

### 8.1 Scanner configuration (Scanner.config)

The "Scanner.config" file is used for defining the log file scanners. Before listing the format of this configuration file you'll have to learn about the way ‘phonebill’ scans a log file.

Log files are scanned line by line. Each line is searched for certain information concerning calls. If enough information is found to make up the date, time, duration and destination of the call, the call is insert in the list of new calls. The information needed can be divided into different types, for example: day of the month in which the call took place, telephone number, etc. Each line of the



log file is compared to a format string which contains so called 'cookies' on certain places in which information is to be expected.

Cookie	Description	Type	Range
%n	host name	STRING	
%a	phone number	STRING	
%A	phone number (char restriction)	STRING	
%h	hour (connection)	INT	0..23
%m	minutes (connection)	INT	0..59
%s	seconds (connection)	INT	0..59
%y	year (connection)	INT	1970..
%e	year, short (connection)	INT	0..99
%o	month (connection)	INT	1..12
%t	month, string (connection)	STRING	
%d	day of month (connection)	INT	1..31
%p	AM or PM (connection)	STRING	("AM" "PM" "A" "P" " ")■
%H	hour (end of connection)	INT	0..23
%M	minutes (end of connection)	INT	0..59
%S	seconds (end of connection)	INT	0..59
%Y	year (end of connection)	INT	1970..
%E	year, short (end of connection)	INT	0..99
%O	month (end of connection)	INT	1..12
%T	month, string (end of connection)	STRING	
%D	day of month (end of connection)	INT	1..31
%P	AM or PM (end of connection)	STRING	("AM" "PM" "A" "P" " ")■
%U	hours (connection length)	INT	
%I	minutes (connection length)	INT	
%X	seconds (connection length)	INT	
%#	dummy number	INT	
\$\$	dummy string	STRING	# >= 1
%c	dummy character	CHAR	

Now, let's take a look at the following log file:

```
01-Jul-94 18:04:04 Connected to "BBS" (911)
01-Jul-94 18:06:33 Disconnected
```

The following are scanstrings used for comparing with lines of this log file:

```
"%d-%t-%e %h:%m:%s Connected to \"%n\" (%a)"
"%D-%T-%E %H:%M:%S Disconnected"
```

Such scanstrings are listed in keyword "scanstring.default" of type `stringlist`. Now take a look at the following part of the log file:

```
01-Jul-94 18:07:01 Calling 911
01-Jul-94 18:07:16 BUSY
...
01-Jul-94 18:14:01 Connected to "BBS"
01-Jul-94 18:23:21 Disconnected
```

The line that contains "BUSY" has to be taken special care of: all information found up to that line needs to be disposed. This can be done using the keyword "scanstring.reset" of type `stringlist`:

```
scanstring.reset = "%#-%3$-%# %#:%#:%# BUSY"
```

If a string is encountered that matches the above string, all information found so far gets disposed. There are however cases in which not all information may be disposed. Take a look at this log file:

```
----- 10 Aug 94
13:33:30 Connected to "BBS"
13:41:22 Disconnected
13:42:10 Connected to "Other BBS"
13:52:56 Disconnected

----- 11 Aug 94
16:42:64 Start of session
```

This time it's not that easy to create a log scanner because the date is only listed once. When the first 'Disconnected' is encountered, the call will be inserted in the list of new calls, and every information gets disposed. The second call won't have a date, which is required for the call to be recognized. To resolve this problem, use the following two scanstrings: "scanstring.sticky" and "scanstring.hardreset", both of type `stringlist`. Every information detected by a sticky scanstring will only be lost by a hardreset, not by a reset. This all results in the following log scanner for the above log:

```
(scanner
  (name "foobar")
  (scanstring.reset "%#:%#:%# BUSY")
  (scanstring.hardreset "")
  (scanstring.sticky "----- %d-%o-%e")
  (scanstring.default "%h:%m:%s Connected to \"%n\"")
  ("%H:%M:%S Disconnected")
```

)

Now you have seen some examples, a more formal description is given. Valid keywords in "Scanner.config" are:

**scanner (block)**

Using this keyword a new scanner can be defined. The following keywords are valid within a **scanner** block:

**name (string)**

Defines the name of the scanner.

**scanstring.reset, scanstring.hardreset, scanstring.sticky, scanstring.default (string)**

Explained above.

**noyear (boolean)**

Set this to true (e.g. "(noyear 1)") if the year in which the calls are made is not logged. The program will try to fill in the year itself.

**signature (string)**

To keep track of what calls have already been processed, it is possible to add a signature to the end of the log file. All calls that appear before this signature are regarded as 'previously scanned'.

As you can see, creating your own log file scanner is not that easy. If you have a log file that is currently not supported then please don't hesitate to mail it to me (uuencoded please) and I'll create the scanner for you. See Chapter 14 [Author Info], page 30 for my address.

## 9 Supported log files

This section contains a couple of notes on some log files:

### ‘GPFax’ log

The log produced by ‘GPFax’ is a binary log file. As it is currently not possible to define a scanner for binary log files, the scanner for this file format is built-in. I didn’t have any information about the structure of this log, so the built-in scanner is a bit of a hack. Therefore it is currently not possible to truncate this kind of log file.

### ‘term’ action log

The call information placed in the action log files was never intended for postprocessing with call-log analyzers. There is no fixed defined file structure and localization of ‘term’ can introduce a lot of trouble. Therefore it is recommended to use the ‘term’ call log instead.

### ‘term’ call log

The file format of this log file is compatible to that of ‘NComm’.

### ‘terminus’ log

‘terminus’ has an option to select the format of the logged date. You can choose "dd-mm-yy", "dd/mm/yy" and "mm/dd/yy". It isn’t always possible to decide what format is being used, for example: is "05/01/94" of type "dd/mm/yy" or "mm/dd/yy"? Therefore only the first date format is supported, no calls will be found in a log file using the other two date formats.

### ‘trapdoor’ log

If the ‘trapdoor’ scanner doesn’t work with your log file, you probably have insufficient loglevel settings. You should put the following settings in the ‘trapdoor’ configuration file:

```
LOGLEVEL 0:2           ; debugger
LOGLEVEL 1:2           ; link
LOGLEVEL 2:2           ; transfer
LOGLEVEL 3:2           ; system
LOGLEVEL 4:2           ; modem
LOGLEVEL 5:2           ; session
LOGLEVEL 6:7           ; security
LOGLEVEL 7:2           ; outside
LOGLEVEL 8:7           ; information
LOGLEVEL 9:2           ; scheduler
```

## 10 Program updates

Whenever a new release of 'phonebill' becomes available it will be uploaded to:

```
Grafix Attack (SysOp Kees Huizer)
+31-(0)10-4745816 (V32Bis)
+31-(0)10-4741062 (19k2 ZyXEL)
+31-(0)10-4744682 (28K8)
```

```
FidoNet: 2:286/407.0
AmigaNet: 39:153/201.0
NLA:      14:101/200.0
```

I will also try to upload it to the aminet as soon as possible.

## 11 How to register

As with the previous versions of the program, 'phonebill' v2.0 and higher are shareware. There is one difference: starting from version 2.0 'phonebill' has been crippled, not all features are available in the unregistered version:

- Binary log file maintenance is disabled.
- 'phonebill' only calculates the fees with up to two decimals (e.g. \$0,15). In the registered version nine decimals are supported, which provides a better accuracy.

Many people hate crippled software, including myself. But it just seems that uncrippled software isn't 'appreciated' anymore, because very few people registered. That is why I decided to cripple the program.

**Important information:** The registration fee for the uncrippled version was \$5 US, but I had to raise the price because starting from version 2.0 I will have to send users that register a disk containing a keyfile. Now, starting from 27 September 1993, the registration fee will be \$10 US. If I receive any registrations containing \$5 US after this date, they will be regarded as a registration for the 'old' (pre 2.0) version of the program. So, if you registered with \$5 US after this date you will not receive a keyfile: you'll have to send another \$5 US. I would to thank all people that have registered the uncrippled version of the program before this date by sending them a keyfile without having to pay extra.

**Registration procedure:** Complete the details in one of the supplied registration forms found in the "Documentation" directory, and follow the instructions given there. If for some reason you don't have the registration form, then do the following:

1. Write a note with your complete name and mailing address, and state clearly that you want to register the Amiga version of 'phonebill'. If you have access to e-mail (e.g. internet, fidonet, etc.) please specify your e-mail address too. If you want your key to arrive fast I can send it by e-mail, but for security measures you will have to send me your PGP (Pretty Good Privacy) public key first.
2. The registration fee is \$10 US, DM 15,-, FL 15,-, AUD \$15, or the equivalent of \$10 US in any other currency.

Decide how to transfer the money, e.g.:

- cash (at your own risk).
- a postal money order.
- a EuroCheque (only in FL!), foreign cheques are \*NOT\* accepted!

3. Send this to:

Raymond Penners  
Berkenlaan 4  
NL-6241 AZ Bunde (The Netherlands)

4. Wait for your keyfile to arrive. You should receive your key within 10 days after the arrival of your registration fee. Please allow up to four weeks, due to unforeseen circumstances.
5. Copy the keyfile to the directory where you keep 'phonebill' in or to the 'L:' directory. Thanks for registering!

## 12 Acknowledgements

I would like to thank the following people for support, suggestions, help and assistance: Richard Schiffelers, Maurice Lahaye, Matthias Scheler, Philippe Duchein, Eric Delord, Johan Billing, Henrik Gelius, Jan van den Baard, Michael Holloway, Lars Hanke, Sven Kuenzler, Jos Swolfs, Kenneth Fribert, Finn Kettner, Stephan Grochowina, Richard Galezowski, Peter C. Lowish, Thomas Andersson, Andreas Baum ...

Special thanks go to Olaf ‘Olsen’ Barthel, for releasing the sourcecode of ‘term’ and creating ‘gtlayout.library’. Great work!

Some quick greetings to: Erwin Penders, Mel Nijsten, Maurice Penners, Walter Konrad, Frans Bouma (Not at ericson anymore? What’s your e-mail adr.?), Robert Udo, Bart Cremers, Arnaud Gouder de Beauregard, Walter Dees, Rino Roufs, Rex (the ONE and ONLY SPHINX-O-Dog), Marcel Meuldijk, Edwin Boesten, Ephrem Bollen, Marcel Franquinet ...

Furthermore I would like to say hello to all ‘dudes’ on IRC : Ikke, Bilbo1, Savage, Dense, Milano, Pjotr, ALFred, Mnemo, Xed, SteveVai, Zop, Janne, Outland, Mjoelnir, Juggi, Goldrnr, Lundman, Shocker, Mag, VAG, Herb, \_ho\_ and everyone I know but forgot to mention here!

These are all listed in ‘an-alphabetic’ order! I am sorry if I forgot someone (which I’m sure I have) ...



## 13 Revision history

### 13.1 Version 1.0

Version 1.0 was released 6-Jun-1993:

- First public release.

### 13.2 Version 1.07

Version 1.07 was released 14-Jul-1993:

- Compiled on A4000 :-)
- All configuration files now use the IFF format, and are stored in ENV: and ENVARC:.
- The documentation is now in guide format.
- Improved preferences: more options.
- Added requester that warns you on exit if the configuration has been modified.
- Keyboard shortcuts for most of the gadgets.
- Requester warning if <from> date is 'above' <to> date.
- At the beginning of the report you'll now see the time period.
- If no calls were found during scanning the report will state an error message. (In V1.00 an empty textfile would be displayed)
- Included built-in rates: German, French, Dutch, Swedish rates.
- Added commandline arguments. Try "Phonebill ?".
- Added menus to the main window.
- Added support for MagiCall log file.
- In the report produced by "List Calls" sometimes only the phonenumber would be displayed, although a name was provided in the hostmanager.
- If Phonebill was running under a localized workbench, the default from-date ("Yesterday") and to-date ("Today") weren't accepted anymore.
- Fixed some V39 problems: the busy pointer now appears in the same resolution as the normal mouse pointer, and some problem concerning V39 listviews is fixed too.
- If you were using a bigger system font the rate exception editor would mess up. Also, if you de-zoomed the editor window you wouldn't see the exception anymore.

### 13.3 Version 1.08

Version 1.08 was released 1-Aug-1993:

- Added Terminus support.
- Severe bugs were found in Term, Magcall and NComm scanning (thanks to Benno Zuure, Henrik Gelius and Frank Petzold). I've rewritten all log scanning routines to avoid software failures when unknown log messages were encountered.
- The saved configuration files had the wrong version/revision tag. Also, Phonebill would disregard this tag and load any configuration file. So if the configuration files need to be changed in the future, the old version of the program would load the new config files which would probably result in a software failure.
- Under some circumstances phonebill refused to remove a rate, although it wasn't in use.

### 13.4 Version 1.1

Version 1.1 was released 16-Aug-1993:

- The host and log lists now show some additional information.
- Added support for Amiga UUCP timelog.
- The pre-defined rate "Sverige: Riks 1" was wrong. The exception "Monday-Friday 18:00-22:00 0.29 per 52 secs" was missing.

### 13.5 Version 2.0

Version 2.0 was released 27-Sep-1993:

- GUI facelift: windows backfilled, listview doubleclick, changes in the menus.
- Brand new rate editor
- Improved "Do you really want to quit?" requester.
- <From> and <To> date are now saved as strings.
- Iconification.
- Crippled.
- Added JrComm support.

- Binary log file maintenance.
- Context-sensitive online help, by pressing ‘help’.
- New improved documentation, including ASCII and DVI formats.
- Improved keyboard control: ‘Escape’ will function as a cancel/use action, and ‘return’ as an ok/save action.
- ‘Skip’ in the ‘Unlisted host found’-requester now really skips the host, and not just for once.
- Now ‘phonebill’ is able to scan a ‘Terminus 2.0b’ log file correctly (it has some strange ‘LF’ before its connection string).

## 13.6 Version 2.1

Version 2.1 was released 19-Oct-1993:

- Fixed bug in ‘trapdoor’ scanner: you don’t have to pay for incoming calls anymore.
- Fixed bug in ‘AmigaUUCP’ scanner: calls of length greater then 99 minutes in the UUCP log are misaligned. This caused ‘phonebill’ to skip such calls.
- Now you can add and edit calls from within the binary log file editor.
- Time units extended with upto 4 decimals (e.g. \$1,2345 per 12,3456 seconds).
- Bugfix: If the textviewer name contained spaces ‘phonebill’ couldn’t find the viewer.

## 13.7 Version 2.2

Version 2.2 was released 7-Dec-1993:

- Under most circumstances the updating of the binary log file is much faster and efficient compared to previous versions.
- Added MultiFax professional support.

## 13.8 Version 2.3

Version 2.3 was released 6-Feb-1994:

- New callrate feature: least costs.

- The statistics have been improved and new statistics have been added (hourly activity).
- Bugfix: the calls in the binary log file weren't always sorted chronologically.
- Added MicroDot support.
- Added TrapFax support.
- Due to the use of the quotes when running the textviewer you couldn't specify any commandline arguments (e.g. "WatchIt -i"). This has been fixed.

## 13.9 Version 2.4

Version 2.4 was released 13-Mar-1994:

- Added TKR-BTX support.
- Added AutoPilot support.
- Fixed a problem with the MicroDot log file: A call ending with "NETCALL abgebrochen" was not recognized as a valid call, and therefore skipped.
- Any trailing spaces entered at the end of the from/to-date strings are ignored now.
- The 'LogScan' signature from the term log file did not have the appropriate dateformat. Therefore, it could happen that the signature wasn't recognized during some months, which might have resulted in 'fake' (duplicate) new calls.
- Generating report now is approx twice as fast due to the use of asynchronous I/O.
- More commandline arguments are supported.
- Added a "Save"-button in the "Settings not saved" requester.
- Added 'dupe'-detection: duplicate calls are automatically removed. So now there is no harm done when a log file is accidentally scanned twice. I recommend that you re-save your binary log file by pressing 'Save' in the maintenance panel, so that dupes from previous versions are removed (if there were any).

## 13.10 Version 2.5

Version 2.5 was released 6-Apr-1994:

- When adding calls using the maintenance panel the date is automatically set to the current date instead of 01-jan-78.
- Added GPFax support.

- Bugfix: dupe-detection failed sometimes.
- AutoPilot problem fixed: only sessions ending with "End of Session" were recognized.

## 13.11 Version 3.0

Version 3.0 was released 25-Aug-1994.

- The program can now be localized by translating the supplied catalog description file.
- The configuration files have changed from IFF to plain ASCII text files which are parsed on startup. Files in ENV:Phonebill are no longer needed, which saves memory.
- Moved from built-in scanners to user-configurable scanners. The only built-in scanner left is 'GPFax' (which is binary log file).
- Improved the rates: extended the limit of 4 decimals for units and seconds to 9, support for different rates in different time periods, you can enter more than one date in a date exception by seperating them using a '|' character, first and second unit have made place for a listview in which you can configure as much units as you wish.
- Replaced the ugly CON: window by a nice intuition window.
- You can set a different carrier detect time for each host, or use the default carrier detect time as desired.
- Support for hosts with more than one phone number by seperating the numbers using a '|' character.
- Cleaned up the statistics report a bit. It's also possible to define the sort order in which the host listed in the bill report are sorted.
- Added support for 'CyberPager', 'TheAnswer', 'JamMail' and 'Multifax 2.0'.
- New user-interface featuring 'gtlayout.library' by Olaf 'Olsen' Barthel. I found this the best compromise between a plain and fast gui like the old 'phonebill', and a slow but very configurable gui like 'MUI'.
- Re-arranged the menus. I noticed that the 'Project' menu was called 'Projects', which looks very ugly. Why didn't anyone report this? :)
- Cleaned up the code: large parts have been re-written.
- Installation is now done by using the Commodore Installer (or should that be Samsung Installer, or Philips Installer? :-)

## 13.12 Version 3.1

Version 3.1 was released 4-Oct-1994.

- Changed: the program now also looks for the keyfile in the directory specified by the KEYPATH variable, if it exists.
- Changed: The cookie %a only accepted certain phonenumber, which caused a lot of problems. Now %a accepts any string. So now, "Calling %n (%a)" and "Calling BBS (123-AMI)" match. "A BBS 123" and "%n %a" match too: name="A" nr="BBS 123", to resolve this "%n %A" should be used.
- Bug fix: Updating the binary log files on MC68000-amigas could crash because of reading from an odd address.
- Changed: when adding hosts the last selected rate will be used as default for a new unlisted host.
- Added an option called 'connection costs' to the rates.
- Changed: if "ENV:AmigaGuide/Path" is set-up correctly, you can put the "Phonebill.guide" wherever you want.
- Added some average costs/calls/online per day to the stats. Also, if the <to date> is set somewhere in the future, 'phonebill' will estimate the total costs on that date (bill report).
- Changed: hosts with multiple phonenumber did not work the way it was supposed to be. For example, now you can group a host "Line A" (9111) and host "Line B" (9112) to "Lines" (9111|9112).
- New: Hosts can be assigned to groups, over which reports can be generated separately, for example: create a group called "Poll" and assign all hosts you poll for mail to this group. Then you can view reports concerning these hosts only...
- Bug fix: the 'minimal costs' weren't saved.
- By pressing 'Cancel' in the host settings panel the changes to the host were dropped, but changes to the rates weren't. Now, you can only pick a rate from within the host settings panel. Editing rates is done by using the rate editor.
- The format of the configuration files has changed again. For example: "scanner ... endscanner" is now "(scanner ...)" The new format is more compact, and the parser should be a bit faster compared to the old parser.
- Added German and Swedish catalogs, updated Swedish rates.
- And last but not least: my fido e-mail addresses have changed. :)

## 14 Author Info

Send bug reports, log files, suggestions, comments, postcards, flames, contributions, etc. to:

- Snail-Mail:

Raymond Penners  
Berkenlaan 4  
NL-6241 AZ Bunde (the Netherlands)

- Internet: raymond@spinx.stack.urc.tue.nl
- Fido: 2:286/407.60
- AmigaNet: 39:153/201.60
- NLA: 14:101/200.60
- You may also find me (nickname "Sphinx") on IRC in the #amiga channel.

Below you will find my public key.

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
```

```
Version: 2.3a
```

```
mQCNAixCIEAAAAEAMYJLUgyMWTJH0zMail1k50GXN86f2Ym2R7sHt6To3XluXhN  
UYtkL+G2FY1GI+FzVL4oRBUCnzkqkvvIQHYbanxuVEX3XJ/w0tHWMc6+nj0/XniQ  
4N9sUk4a0CiQWl06CH6061+JvUoEamLp0mHeNKb0sjzh3Ekg2WxCH+ITWUepAAUR  
tCtSYX1tb25kIFB1bm51cnMgPHJheW1vbmRwQHNOYWNRLnVyYy50dWUubmw+  
=CMBu
```

```
-----END PGP PUBLIC KEY BLOCK-----
```

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