

**changes**

**COLLABORATORS**

	<i>TITLE :</i> changes		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		October 9, 2022	

**REVISION HISTORY**

NUMBER	DATE	DESCRIPTION	NAME

# Contents

<b>1</b>	<b>changes</b>	<b>1</b>
1.1	CNet Changes/Readme . . . . .	1
1.2	News . . . . .	3
1.3	Changes V4.45 . . . . .	4
1.4	Changes V4.44 . . . . .	4
1.5	Changes V4.43 . . . . .	6
1.6	Changes V4.41/4.42 . . . . .	9
1.7	Changes V4.40 . . . . .	14
1.8	Changes V4.39 . . . . .	15
1.9	Changes V4.38 . . . . .	19
1.10	Changes V4.37 . . . . .	19
1.11	Changes V4.36 . . . . .	20
1.12	Changes V4.33-4.35 . . . . .	21
1.13	Changes V4.33 . . . . .	22
1.14	Changes V4.31/4.32 . . . . .	24
1.15	Changes V4.29c . . . . .	28
1.16	Changes V4.29a . . . . .	30
1.17	4.28c/d Changes . . . . .	32
1.18	4.28a/b Changes . . . . .	36
1.19	4.28 Changes . . . . .	38
1.20	4.27b Changes . . . . .	42
1.21	4.27a Changes . . . . .	42
1.22	4.27 Changes . . . . .	44
1.23	4.26k Changes . . . . .	44
1.24	4.26j Changes . . . . .	44
1.25	4.26i Changes . . . . .	44
1.26	4.26h Changes . . . . .	45
1.27	4.26g Changes . . . . .	45
1.28	4.26f Changes . . . . .	45
1.29	4.26eR1 Changes . . . . .	48

---

---

1.30	4.26dR2 Changes . . . . .	48
1.31	4.26d Changes . . . . .	48
1.32	4.26d Changes . . . . .	49
1.33	4.26c Changes . . . . .	51
1.34	4.26b Changes . . . . .	54
1.35	4.26a Changes . . . . .	54
1.36	4.25a Changes . . . . .	59
1.37	4.25 Changes . . . . .	60
1.38	4.24h Changes . . . . .	63
1.39	4.24g Changes . . . . .	63
1.40	4.24f Changes . . . . .	65
1.41	4.24e (First ZenMetal Commercial Release) Changes . . . . .	65
1.42	4.24d (beta - all v4.x sysop release) Changes . . . . .	66
1.43	4.24a (beta - all v4.x sysop release) Changes . . . . .	68
1.44	4.24 (beta - all v4.x sysop release) Changes . . . . .	70
1.45	4.23 (beta - all v4.x sysop release) Changes . . . . .	72
1.46	4.22 (beta - all v4.x sysop release) Changes . . . . .	75
1.47	4.21 (beta - all v4.x sysop release) Changes . . . . .	77
1.48	4.20 (beta - all v4.x sysop release) Changes . . . . .	79
1.49	4.13b (beta - all v4.x sysop release) Changes . . . . .	82
1.50	4.13 (beta - all v4.x sysop release) Changes . . . . .	85
1.51	4.12d (beta - all v4.x sysop release) Changes . . . . .	87
1.52	4.12c (beta - all v4.x sysop release) Changes . . . . .	89
1.53	4.12A (beta - limited release) Changes . . . . .	90
1.54	4.11 (beta) Changes . . . . .	93
1.55	4.11 (alpha) Changes . . . . .	93
1.56	4.1 (alpha) Changes . . . . .	95
1.57	Future Notes . . . . .	96
1.58	Important Addresses & Numbers . . . . .	96
1.59	A little about Ray . . . . .	97
1.60	A little about Todd . . . . .	98
1.61	Introduction to ZenMetal . . . . .	98

---

# Chapter 1

# changes

## 1.1 CNet Changes/Readme

-- CNET AMIGA PROFESSIONAL BULLETIN BOARD SYSTEM V4.X --

Continued development by

Ray Akey

and

Todd H. Knight

Now coded by Ray Akey under the auspices of  
ZenMetal

.

NOTE: THIS FILE IS NO LONGER MAINTAINED. SEE [HTTP://WWW.CNETBBS.NET/CHANGES/](http://www.cnetbbs.net/changes/)  
OR THE ACCOMPANYING HTML IN THE CHANGES/ DIR OF THIS ARCHIVE.

News

Changes v4.1

Changes v4.11

Changes v4.12a

Changes v4.12c

Changes v4.12d

Changes v4.13

Changes v4.13b

Changes v4.20

Changes v4.21

Changes v4.22

Changes v4.23

---

Changes v4.24

Changes v4.24a

Changes v4.24d

Changes v4.24e

Changes v4.24f

Changes v4.24g

Changes v4.24h

Changes v4.25

Changes v4.25a

Changes v4.26a

Changes v4.26b

Changes v4.26c

Changes v4.26d

Changes v4.26dR2

Changes v4.26eR1

Changes v4.26f

Changes v4.26g

Changes v4.26h

Changes v4.26i

Changes v4.26j

Changes v4.26k

Changes v4.27

Changes v4.27a

Changes v4.27b

Changes v4.28

Changes v4.28a/b

Changes v4.28c/d

Changes v4.29a

Changes v4.29c

---

Changes v4.31/4.32

Changes v4.33

Changes v4.33-4.35

Changes v4.36

Changes v4.37

Changes v4.38

Changes v4.39

Changes v4.40

Changes v4.41/4.42

Changes v4.43

Changes v4.44

Changes v4.45

Future Notes

Important Addresses/Numbers

---

Amiga, C=, Commodore and Amiga Technologies are trademarks of Gateway 2000.  
 SAS/C is Copyright © 1988-1995 SAS Institute, Inc.  
 CNet Amiga is trademark and © ZenMetal Software.

-- All CNet changes/documentation written and updated by Ray A. Akey

## 1.2 News

### NEWS OF CNET AMIGA V4.X

10-Jan-98

-----

We now have a new domain, "cnetbbs.net" which is our own CNet BBS domain. CNet systems worldwide can be reached through cnetbbs.net. If you would like your system listed as a machine on our domain, please contact rakey@cnetbbs.net for more information. A list of cnet systems on this domain will be listed in the near future.

We also have some new e-mail support addresses, as follows:

bugs@cnetbbs.net	.....	bug-reports
suggestions@cnetbbs.net	.....	ideas and suggestions for the future
rakey@cnetbbs.net	.....	Ray Akey's (mine) personal e-mail address
thknight@cnetbbs.net	.....	Todd Knight's personal email address

...to quote a line from one of my favorite movies, "They're heeeeeeeeeere!"

### 1.3 Changes V4.45

Changes for v4.45

-----

1. Increased efficiency of initial account caching during Control boot.
2. Fixed the infamous OLx!;blah;EU;FIx bug.
3. Corrected some subboard path conflicts that could cause crashes or possibly corrupt item data files.
4. Began internal telnetd code.
5. Release v4.45 prematurely (before telnetd completion) so sysops may once again have a stable release to work with.
6. Various vote fixes made by Kelly Cochran (vote is his baby ;)
7. Changes to the following vote-related BBSTEXT lines:

```
1526:You do not have access to add vote topics.?n1
1547:?n1Kill topic %d (%s): are you sure [Y/n]? ??1
1572:?n1Topic %d does not exist.?n1
1581:Maximum # of choices (minimum 2):
1582:Number of floats:
1584:You do not have access to examine vote topics.?n1
1593:?n1Topic %d does not exist.?n1
1594:      %3d %s?n1
1599:?n1Invalid topic %d?n1
```

### 1.4 Changes V4.44

Changes for v4.44

-----

1. Fixed GETUSER 13/14 (z->MyMail and z->MyNewMail) updating when mail items are moved or deleted from INBOX.
2. Fixed a bug that may have caused crashes/software failures when ^C was used to interrupt NNTPGet.
3. Sum of file sizes in each subboard now displayed when entering a file area.
4. Changes to BBSTEXT lines 817-818

```
817:?c7: ?c5%4d ?c7file (%ld bytes)
818:?c7: ?c5%4d ?c7files (%ld bytes)
```



5. Account cacheing added to CNet to provide faster loading of user accounts and generally faster operation of mail, news and file posting and any activities which reference user/account data..
6. Cache size configuration options added to CNet Config/Limits. You may specify a number of accounts to be dynamically cached or check "Cache all" to have all accounts cached. For maximum efficiency, if you have the RAM to spare, cache all accounts; otherwise specify a number of accounts to cache where each cached account (currently) = 686 bytes.

eg. a cache setting of 50 would use a maximum of 38300 bytes of memory at all times; assuming there are at least 50 users in your system user data. Note that this figure could change in the future as other data is added to the CNet UserData structure.

7. The following functions are new to cnet.library:

```
struct CNetUserCache *UCacheInitUser(short account);
```

Initializes a cache entry for the user belonging to the specified account ←

Do NOT call this function on a previously initialized user. Check for this case by using UCacheLookup() first.

Returns:

pointer to struct CNetUserCache on success.  
NULL on failure.

```
struct CNetUserCache *UCacheLookup (short account);
```

Obtain the existing cache entry for the specified user account.

Returns:

pointer to struct CNetUserCache if user is already cached.  
NULL if user is not cached.

```
short UCacheRead ( short account, struct UserData *user, short numaccounts) ←  
;
```

Read a sequential block of user accounts from the CNet user cache.

This function will be later expanded to support random block access via CNet range format.

If a user is not already cached, it will be cached and a pointer to the the cache entry returned.

tips: specify numaccounts=1 to read a single account.

To read a BLOCK of accounts, the "user" variable must be a block of memory at least as large as  
numaccounts\*sizeof(struct UserData)

```
short UCacheWrite ( short account, struct UserData *user, short numaccounts ←
);
```

Write a sequential block of user accounts to the CNet user cache.

If a user is not already cached, it will be cached and return a pointer the the updated cache entry.

tips: specify numaccounts=1 to write a single account.

To write a BLOCK of accounts, the "user" variable must be a block of memory at least as large as  
numaccounts\*sizeof(struct UserData)

```
void UCacheDispose(void);
```

Under normal usage, this function should never be required and its use other than for CNet shutdown purposes will most likely degrade system performance.

Control calls this function to free all cache memory before exiting.

Note that the user cache is PRIVATE data. You cannot safely "walk" the user cache list as it is private cnet.library memory. You CAN "emulate" walking the cache/userlist by using UCacheLookUp() in a loop from 1 to myp->Nums[0]

Note that LockAccount() and UnLockAccount() support CNet cache functions. You are not required to use the above functions if you only wish to lock, access/copy and then unlock user data.

The CNetUserCache structure can be found in SDK/include/users.h.

8. AMaint now filters MCI in logged subboard names.

## 1.5 Changes V4.43

Changes for v4.43

-----

UPDATE NOTE: IF YOU HAVE NOT **\*\*PREVIOUSLY\*\*** DONE SO, RUN THE UPDATE EXECUTABLE CNET:UPDATE/442 IN AN AMIGADOS SHELL AFTER INSTALLING EITHER CNET VERSION 4.42 or 4.43.

UPDATE NOTE 2: YOU MUST RUN THE AMIGADOS EXECUTABLE CNET:UPDATE/443 IN AN AMIGADOS SHELL AFTER INSTALLING BUT BEFORE RUNNING CNET VERSION 4.43.

1. #?-task iconify/menufy and window positions are now only saved when the Control screen menu WRITE SETUP is selected. This means, you position your task GUIs where you want them, iconify, menufy or leave the windows open and then select the Control WRITE SETUP menuitem and the states of the tasks are saved.

2. Fixed garbage text that was printed when "DS" is used.
3. Fixed file selecting in DM/DMaint/CNetCommander.
4. Mail-task ARexx port fixed.
5. Corrected a typo in the CNET:REXX/#?mailtask#? scripts where the mail-task ARexx port was wrongly addressed as MAILTASK\_RX instead of MAILTASK\_RX.1
6. Added LOCAL VIEWER string to Archiver configuration. If this setting is not empty and the online user is in LOCAL MODE, the command used here will be used to view/examine a file when the [E]xamine command is used within CNet and CNetCommander.

For example, you may set up a .guide ArcType and have the local viewer set as "MultiView %s" for OS3+ or "AmigaGuide %s" for OS2.1+. When a .guide file is examined, Multiview or AmigaGuide will be used to view the file. When regular remote online users use examine, the archive will be examined using the regular archive view command.

7. ViewTypes added to Archiver View command. Due to the rising need to view non-native CNet file types (eg. Amigaguide, HTML, etc) to users, this setting has been added to CNet. This allows you to set more than just a "piped" AmigaDOS shell command to be used for archive "viewing".

For example, for the View command, you may set "Moretext %s" at the command, and set the ViewType (the button just to the left of the view command) to "Shell" and the user now has interactive control over the viewer; allowing him to use his keyboard to "control" the viewer.

NOTE: All previous VIEW types should be set to "PIPE" unless you change to a method other than output redirection, which is the only method that previously existed. The update executable "443" sets all old archiver view types to PIPE.

NOTE 2: "redirection" is simply a way of piping output-only text to CNet Amiga for display. Redirection can be distinguished over other types by the presence of a greater-than operator (>) in a view command.

eg:

```
type >%s "%s"
```

as opposed to:

```
mycommand %s "%s"
```

the former type is a PIPE redirection where the latter is either a Shell, CNetC or ARexx command.

A rough guide of deciding which ViewType you need is:

1. Run the command in a regular AmigaDOS shell (unless the command is a CNetC executable or ARexx script).
2. If the command is interactive, allowing you to use your cursor (or

other) keys to control the program, then you should set the ViewType to SHELL and use the following view command template as a guide:

```
view_command "%s"
```

3. If the command simply displays the output to your shell then set the ViewType to PIPE and use >%s in your view command as per the following guide:

```
view_command >%s "%s"
```

Following are the Viewer settings for a .guide file-type:

```
View Command: MoreText "%s"
View Type:    Shell
Local Viewer: AmigaGuide "%s"
```

8. GETUSERS 13 and 14 are now set at logon and updated when new mail is received.
9. dmaint bug fixed where ESC key caused unusual/hazardous results by issuing improper commands when arrow/cursor keys used thereafter.
10. Changes to BBSTEXT line 502.

```
502:?\nTotal Space: ?c7%d% ?ql of ?c7%6s ?qlUsed.?ql ?c7%7s ?qlFree.?\n
```

11. Fixed repetitive printing of info about EACH partition upon subboard entry.
12. For those who liked seeing info about all partitions, a "PARTS" command has been added to the new base, new message, and browse menu section of BBSMENU. You may use this command to obtain info about your BaseX: partitions.

If you use the PArts command in a subboard, you will see info only about all valid partitions of that subboard.

If you use the PArts command at the "main" menu, you will see info about all available partitions, from 0 to the number configured as "max BaseX: partition", in CNet Config.

13. Added BBSTEXT line 2525.

```
2525:?\nPartition ?c7%d?ql: ?c7%d% ?ql of ?c7%6s ?qlused, ?c7%7s ?qlfree.
```

14. Fixed potential security problem in dmaint.
15. Added "lastcommand" ARexx command to CNETREXXn ARexx port. This command is used to find out the last command entered by the user on any given port.
16. Fixed bug where use of BOTLOGON ARexx command did not un-blank/dim the CNet port.
17. Read log (RL) command made non-re-entrant.
18. ARexx "OLM" command added to BBS ports (portname CNETREXXn where

n=a valid port number)

Syntax: OLM <from port> <message text>

If <from port> is 100, then the OLM is treated as a system OLM.

ex. Send an OLM to port 0, addressed as if it were from the user on port 1:

```
address CNETREXX0
OLM 1 This is an OLM test
```

ex. Send a SYSTEM OLM:

```
address CNETREXX0
OLM 100 This is an OLM test
```

19. First compile of 030 versions of key CNet executables.

20. Implemented a "hiwater" method of receiving usenet news using the USEHIWATER option of NNTPGet. With this option you MUST still supply the NEWNEWS arg of NNTPGet.

Many ISPs disable the NEWNEWS command in order to reduce the CPU usage of their local-machine NNTP server and reduce the load on their system.

The USEHIWATER option should be used ONLY if your ISP has disabled the NEWNEWS command of their NNTP news server as the NEWNEWS command is still the most efficient (fastest) method of receiving new news.

eg. NNTPGet S=news.myserver.com NEWNEWS USEHIWATER

OR

NNTPGet S=news.myserver.com N U

You may, of course, omit the news server part of this command if you have your news server configured in CNet Config/Defaults/News Server

## 1.6 Changes V4.41/4.42

Changes/fixes for v4.41/4.42

UPDATE NOTE: YOU MUST RUN THE AMIGADOS SHELL EXECUTABLE CNET:UPDATE/422 IN AN AMIGADOS SHELL AFTER INSTALLING BUT BEFORE RUNNING VERSION 4.42.

1. [J]oin command (join subboards, not join conference) hits fixed.
  2. Fixed MimeEd screen problem with non-lace workbench configurations.
  3. file-task now adds a filenote to received DCC files: "From: <nick>"
  4. Added BBSTEXT lines 2435-2524.
-

```
2435:ITEM UPDATED:
2436:From: %s
2437:[DIR]
2438:%ld
2439:?c7%3d. %s%-24.24s %s%9.9s ?q1
2440:?:2?c7?s?:0?q1
2441:?n1?c4[?c7D?c4]?c6elete?c4, [?c7E?c4]?c6xamine?c4, [?c7*?c4]=?c6Select ←
    , ?c4[?c7RETURN?c4]=?c6Next?n1
2442:?n1FileMaint:
2443:?n1Delete %s? [Y/n/a/q]
2444:YNAQ
2445: {}
2446: {}
2447: All!?n1
2448: Quit!?n1
2449: %s deleted.?n1
2450: ?n1Could not delete %s because:
2451: Directory %s not empty. You must delete the files within first.?n1
2452: ?n1unknown error.
2453: ?n1Press any key..?g1?n1
2454: ?c5
2455: ?c2
2456:?c1
2457:?c6
2458:?n1You are already at the root directory.?n1
2459:?n1That directory is empty.?n1
2460:QP XHBZUDMCARNILK <-- hotkeys for ANSI mode; corresponds with menu ←
    hotkeys [] below
2461:?z1 ←
    ?z0
2462:?z4 ←
    ?z0
2463:?z1?c7[ENTER]=Examine, [UP], [DWN], [Q]uit, [P]arent, [Space]=Select, ←
    [X], [H]elp?z0
2464:?z1?c7[B]=BBS command, [Z]=Search, [U]pload?z0
2465:?z1?c7[D]elete, [M]ove, [C]opy, M[a]kdir, [R]ename?z0
2466:?z1?c7[N]ew path, F[i]lenote, Volume [L]ist, [K]=Run door?z0
2467:?z4Path: %-50.50s %21.21s?z0
2468:%ld selected
2469:?f1
2470:?z4Directory empty!?z0
2471:?z4Internal error; can not find item. :(?z0
2472:?z4?s?z0
2473:%s selected
2474:%s unselected
2475:Max selections per batch reached.
2476:%-25.25s %9ld %-38.38s
2477: {}
2478: {}
2479:>
2480:
2481:?z4?c3BBS Command: ?cf
2482:?z0
2483:Invalid command..?w1
2484:Not empty. You must delete the files within first!
```

```

2485:failed
2486:unknown
2487:%s deleted
2488:?z4?c3Makedir: ?cf
2489:?z4?c3New Path: ?cf
2490:%-35.35s %-38.38s
2491:?z4?c3Filenote: ?cf
2492:%s is read-only
2493:?[3J
2494:?z4?c3Examining %s..?cf
2495:CNet Commander Help
2496:Volume/Assign list
2497: %s
2498: [DIR] %s
2499: [VOL] %s
2500: [ASN] %s
2501:?z4?c3Getting directory %s..?cf
2502:?z4?c3Move to/as: ?cf
2503:%s moved as %s
2504:?z4?c3Copy to/as: ?cf
2505:?z4?c3Rename as: ?cf
2506:?z4?c3Amiga[D]OS/[C]NetC/[A]Rexx or [P]aragon? ?cf
2507:?z4?c3%s door path/filename: ?cf
2508:AmigaDOS
2509:CNetC
2510:ARexx
2511:Paragon
2512:{}
2513:{}
2514:{}
2515:{}
2516:{}
2517:?z4?c3Search pattern (wildcards allowed): ?cf
2518:?z4?c3Recurse into subdirectories? [N/y] ??0 ?cf
2519:?z4?c3Searching.. please be patient..?cf
2520:?z4?c3Upload filename: ?cf
2521:?z4?c3Uploading..?cf
2522:?z4?c3That command cannot be executed in local mode.?cf
2523:!!
2524:Directory empty.

```

5. Added BBSMENU item "DM" to the "2; Available Everywhere" section.
6. Added BBSMENU SECTION "47; User Filedir Maintenance"
7. 3RD PARTY PROGRAMMERS/CODERS:

Added new cnet.library API functions for reading/scanning/searching directories and the DOS volume/assign list. Here are the prototypes (also see sdk/include/protos/cnet\_protos.h).

#### IMPORTANT NOTES

For better door functionality, all functions used by CNetReadDir() are also accessible to the CNet door programmer. You may use these functions to build (or add to) your own directory lists or even get an assign/volume list. However, There are some things to note:

Be aware that the TOP entry of a CNetFileEntry list is just a directory PLACEHOLDER. This placeholder is a CNetFileEntry structure with it's filename field being that of the full path to the directory represented by the list. The parent variable of this list placeholder should be set to the parent list (if any) that is to be linked to. If the parent variable is NOT set (eg. CNetFileEntry.parent==NULL), then the user cannot regress any further "back" than the current directory.

Also note that YOU must create this header yourself by calling CreateDirEntry(), assign your list pointer to the pointer returned and then you MUST strcpy() (or sprintf()), to the filename variable, the full path to the directory under examination. If you do not fill the header entry with the full path, CNetReadDir() may not work correctly.

Also note that if you use CNetReadDir() to read a directory, you do not have to worry about creating the list placeholder. CNetReadDir does this internally. The only time you need to worry about creating the list header is if your are building a filelist by hand.

If you want to ADD to a CNetFileEntry list (eg. after using CreateDir() to create a new directory or after having a file copied to a directory represented by the current list) you can do so simply by calling InsertDirEntry(), but **\*\*ONLY after\*\*** either creating the list header and attaching it as the FIRST structure in your linked list of CNetFileEntry structures or by having already called CNetReadDir() previously.

The CNetFileEntry structure is defined in sdk/include/files.h.

See ReadDirTest.c for example CNetReadDir() usage.

See ReadDirTest2.c for an advanced example of creating a filelist using the discrete cnet.library functions.

#### Prototypes/Descriptions:

```
struct CNetFileEntry *CreateDirEntry (struct FileInfoBlock *fib);
```

Allocate memory for a CNetFileEntry structure and return pointer to a mem block or NULL if fail. CreateDirEntry expects a pointer to FileInfoBlock structure. This structure is used/filled by dos.library's Examine()/ExNext() functions. You may also "fake" a FileInfoBlock by allocating memory and filling the FileInfoBlock structure variables, thereafter call CreateDirEntry(). CreateDirEntry is "directory aware" in that CNetFileEntry's ftype variable is set to 1 for directories and 0 for regular files. Other internal uses set ftype to 2 for volumes and 3 for assigns.

```
void InsertDirEntry (struct CNetFileEntry **list, struct CNetFileEntry * ↵  
newentry);
```

Insert a CNetFileEntry into a list, sorted alphabetically; DIRS first.

```
struct CNetFileEntry *CNetReadDir (char *path, UBYTE recurse);
```



Read a complete directory into a linked list of CNetFileEntry structures ←  
with  
parent/child directory retention and next and previous file entry linking ←  
;  
with recurse option.

void CNetDisposeDir (struct CNetFileEntry \*\*list);

Free the COMPLETE file list tree as returned by CNetReadDir() or created  
using CreateDirEntry() calls.

struct CNetFileEntry \*GetDirEntry (LONG ordinal, struct CNetFileEntry \*list ←  
);

Get a pointer to the CNetFileEntry specified by the ordinal number, with ←  
the  
first usable file entry being entry number 1.

LONG CountDirEntries (struct CNetFileEntry \*list);

Count the number of entries on the current list (not including parent and  
child entries nor including the "path placeholder/header" entry)

struct CNetFileEntry \*FindParent (struct CNetFileEntry \*list);

Return a pointer to the PARENT dir if found; else returns pointer to the  
same list passed as list arg.

struct CNetFileEntry \*NextDirEntry (struct CNetFileEntry \*list, struct ←  
CNetFileEntry \*nowentry);

Return a pointer to the next file entry or NULL if none.

struct CNetFileEntry \*PrevDirEntry (struct CNetFileEntry \*list, struct ←  
CNetFileEntry \*nowentry);

Return a pointer to the previous file entry or NULL if none.

struct CNetFileEntry \*HeaderEntry (struct CNetFileEntry \*anyentry);

Return a pointer to the header file entry.

struct CNetFileEntry \*LastEntry (struct CNetFileEntry \*anyentry);

Return a pointer to the last file entry in the list or NULL if list empty ←  
.

LONG EntryOrdinal (struct CNetFileEntry \*entry, struct CNetFileEntry \*list) ←  
;

Return the ordinal number of the specified file entry pointer, relative ←  
to  
the top of the current list.

struct CNetFileEntry \*GetVolAssList(void);

Get a list of system volumes and assigns and return a pointer to the

---

list.

```
struct CNetFileEntry *CNetSearchEntry (struct CNetFileEntry *list, struct ←
    CNetFileEntry **destlist, char *pattern, UBYTE recurse);
```

Search a CNetFileEntry list for files matching an AmigaDOS file pattern.

Includes option to search sub-directories (recurse).

Do to recursion and addition of the "matches" to a single tier list, this function allows you to specify a list pointer (destlist) to which the matches will be attached and returns a pointer to that same list. If no destination list pointer is passed, a new linked list is created and a pointer to that list returned if matches are found.

Also note that the full path to the matched entry is set as the CNetFileEntry filename. This was done to allow easy display of the filename (using FilePart()) in a fixed width output string while allowing SelectAndDownload(CNetFileEntry.filename) to be used for selecting and downloading resultant matches.

See the SDK/EXAMPLE\_SOURCE directory example "CNetFileFind.c" for indepth usage of CNetSearchEntry().

8. Removed the 20 archiver limitation.

## 1.7 Changes V4.40

Changes/fixes for v4.40

1. cnSMTPd VRFY command now allows user@host input where recognized hostnames for the local system are any of the hostnames defined in config/smtpd.

Note that cnSMTPd VRFY replies with the hostname configured in the config/MAIN page.

Also, since cnSMTPd does not do forwarding, users at other hosts are not examined and thus an error (case: unknown user) is returned to the querying system.

2. CNetIRC now re-sets the Where/Doing field after a successful "everywhere command" is used. Some BBS functions previously changed this field and CNetIRC did not reset it.
  3. Commodity status of Control now complete. The "Hide Interface" button of Exchange will remove ALL "visible" indications that Control is running, whether it be iconified or GUI opened. The "Show Interface" button of Exchange notifies Control to makes its GUI visible. The "Remove" button of Exchange quits Control WITHOUT the "Are you sure you want to quit Control" prompt being displayed.
  4. Bug-fix .. Cron could be executed while already running.
  5. Fixed a mail yanking bug where the mail "TO" user was not filled in the resulting QWK packet.
-

6. Fixed a memory leak (present since CNet v4.0) where, in some cases, memory allocated for events would not be freed. Memory would slowly trickle away at the rate of a low number of bytes (multiplied by the number of events configured) every 3 seconds. This bug could have had the potential to eat large amounts of memory if you had many events configured and in a contiguous time block (eg. no "rest" time between events). After fixing and testing with over 50 events configured, this bug is history and no more memory leaks exist.
7. Fixed a bug where some events would not be executed.
8. Fixed bug induced in v4.39 that caused uploads to get the wrong description and/or possibly write the wrong description (and AmigaDOS filenote) on other files.
9. Amaint, by default, now UPDATES items if their file size or AmigaDOS date has changed. To disable this feature, use the amaint "nouupdatefiles" arg.

Note that this feature now tags MISSING files also so, if you choose not to disable this feature, the "missing" door is no longer required unless you want to specifically find/mark only missing files without requiring other duties of amaint.

10. Mail spool files were being corrupted. New format for spool files prevents this. Spool files created before this fix cannot be recovered.
11. Fixed discrepancy in the cnet TIME command where user logon time and length of time online did not corroborate.
12. sysdata:log/UUMAIL added for logging of internet mail imports by mail-task and/or iuemail.

## 1.8 Changes V4.39

Changes/fixes for v4.39

1. Fixed enforcer hits/port lockup when "/server <server name>" was used in ← CNetIRC.
2. Fixed Control & \*-tasks public screen handling. No longer does Control keep a lock on the public screen it opens on. Un-Iconify/Menufy now arbitrates the task/Control window to the public screen again.
3. Fixed internet mail import (UUMAIL) so that "corrupt" mail items do not cause mail-task/iuemail to skip good messages in incoming user e-mail batches.
4. CNet version numbering of myp->s1 is now consistent with "VERSION" reply.

```
eg.  VERSION = 4.28c      myp->s1 = 4283
      VERSION = 4.29a      myp->s1 = 4391
      VERSION = 4.39      myp->s1 = 4290
```

Note how the last digit of s1 is the numeric representation of the letter in the CNet version string.

---

5. Control display quirk fixed where IDLE TIME may have been displayed as excessively large (and incorrect) values.
6. OLM prompt now displays the number of OLMs waiting to be displayed. Currently, this counts system OLMs. This may or may not change in the future.
7. Change to BBSTEXT line 895.

<New format for bug-fixes begins>

8. Fixed bug-report #60 - "ML twice in a row causes potential lockups"
9. Fixed bug-report #119 - "If you use ML to move an area into an empty subdir, it will not work."
10. Changes to BBSTEXT lines 1780-1781.
11. Fixed bug-report #127 - "Any direct/msg/file area that exists on main level will not have proper prompts set when entered."
12. Expanded CNet's "SubDoing" facility to it's most powerful state. If you set a doing for a SUBDIRECTORY in the "EL" VDE of that subdirectory, you are now setting the "Where" string for the whole sub-tree. Any subboard that does not have a SubDoing set, will have it's doing set to the nearest parent subdirectory SubDoing string.

To elaborate; Consider the following subboard tree:

```
Aminet -
  |
  |-- biz
  |
  |-- comm -
        |- bbs
        |- cnet
```

If only the aminet subdir has a SubDoing of "Aminet mirror" set on it, this Subdoing will be displayed when entering any of the tree elements below it.

However, if the subboard "bbs" has a SubDoing also, in entering the bbs subboard, that Subdoing string will be displayed. Entering any other subdir or subboard in that tree structure will get the aminet default subdoing string displayed.

Further consider that, if the "comm" subdir also has a SubDoing of "BBS ↔ software" set on it, only it and any of it's child subboards (eg. "cnet" in this example ↔ ) would have that doing displayed, when entered. The "bbs" subboard would still ↔ get it's custom SubDoing displayed and, all subboards and subdirs above the "comm" directory would get the default aminet SubDoing displayed.

13. Fixed bug-report #128 - "OLMs are @\$%ing up SplitChat"

14. Fixed bug-report #130 - "Config/defaults/SMTPd timeout can only be set to a value greater than or equal to 61. (60 seconds and up are valid values)
  15. Fixed bug-report #131 - "In user-ed, date settings required HH:MM to be added to input date strings and gadget would not accept them." Limitation removed. Only DD-MMM-YY are now required.
  16. Fixed bug-report #132 - "Using MO in mail to move an item into the same folder it's already in will delete the item." RESTRICTION IMPOSED: You may not move a mail item to the same folder it is already in.
  17. Change to BBSTEXT line 720.
  18. Fixed bug-report #133 - "If you have an area dropped, GO will not find it."
  19. Fixed bug-report #134 - "Control hangs when iconified or menuified and is sent ARexx message/command."
  20. Fixed bug-report #140 - "OLM count is decreasing even for redisplayed OLMs (./ ↔ Again command)."
  21. (no bug-report #) Fixed MORE? prompt that was prematurely displayed after ↔ reading each OLM.
  22. Fixed bug-report #142 - "If you read a file item and then try and "AT" it at the "respond" prompt, nothing happens."
  23. Fixed bug-report #139 - "BBS is not giving file/byte credit rewards to file uploader when another user downloads their uploads." Note: rewarding WAS working but no mail mail was being sent for notification of reward.
  24. Imported mail is now sorted by IMPORT date rather than SENT date when Newest First or Newest Last are set in EP.
  25. Fixed bug-report #137 - Mail is now sorted by RECEIVED (import) date rather than sent date.
  26. Added VRFY command to SMTPd.
  27. Auto-anonymous FTP added to cnFTP with mail-address sent automatically for anonymous logins. Over-ride defaultemail address using the P=<pass> option.
  28. DOSOLM now has an "I=IGNOREOWN" switch to prevent DOSOLM from sending an OLM to the "F=FROM" port.  
  
For those who don't know what DOSOLM is, it is an AmigaDOS door/command that allows you to send OLMs to/from online users from CLI/Shell and/or ARexx/AmigaDOS scripts.  
  
DOSOLM will now be bundled with CNet Amiga. Note that DOSOLM is still a "Metal Software" product and is included as a "contributor" item.
  29. The "F=FROM" argument to DOSOLM can now be a port RANGE.
  30. Boot dates added to Control and each BBS port. These dates are currently in the status text displayed when the CNet [T]ime command is used online.
-

31. Changes to BBSTEXT lines 287-291.

32. BBSTEXT lines 2411-2420 added.

33. coders: New function in cnet4.library; CNetUpTime()  
This function is used to form a string which states the amount of time, elapsed since some past time, relative to "current time".

syntax:

```
output_str_ptr=CNetUpTime(output_string, time_diff_in_secs)
```

CNetC example:

```
char utstring[70]; // "xxx years, xxx weeks, xxx days, xxx hours, xxx ←
    minutes and xxx seconds" possible
    // more space required if you use MCI in BBSTEXT
ULONG uptime;
uptime=CNetTimeNowDiff(CNetImplodeTime(&z->BootDate));
CNetUpTime(utstring, uptime);
sprintf(z->ABuffer, "Time passed since port booted: %s\n", utstring);
CNC_PutA();
```

More compact version of above example:

```
char utstring[70];
ULONG uptime=CNetTimeNowDiff(CNetImplodeTime(&z->BootDate));
sprintf(z->ABuffer, "Time passed since port booted: %s\n", CNetUpTime( ←
    utstring, uptime));
CNC_PutA();
```

NOTE: if no time has passed (eg. no time diference), a blank string ("") will be returned.

NOTE2: This function, like most other CNet library functions, requires Control to be running.

35. CNetUpTime() routine implemented in ReadOLM() to replace lame "xx:yy mins ago" text.

34. Changes to BBSTEXT lines 893, 898 and 920.

35. Toss now states that it is already running if executed a second time. Previously, it exited without the verbosity.

36. Fixed quirk in cnet:close in which a "garbage" option (eg. "cnet:close dsflkj ←") caused all ports to be closed.

37. UserInfo gadget is now enabled when an online user is selected and disabled ← when an unoccupied port, offline port or no port is selected.

38. Command UPTIME added to the end of BBSMENU section "2; Available everywhere".

39. BBSTEXT lines 2426-2427 added.

40. AmigaDOS "UPTIME" command created for use in scripts and local/offline situations.

## 1.9 Changes V4.38

Changes/fixes for v4.38

1. Added RESUME to cnFTP.
2. Added BBSTEXT line 2402.
3. Added REGET command to BBSMENU section 46 (CNet FTP Menu). This command is usually unnecessary as CNet auto-detects existing files but has been added for a complete implementation. This command may also be used instead of "get" to FORCE resume of a file.
4. NEW split-screen chat added to Chat Chat (CC)!! Use CTRL-T to toggle your preferred chat mode. Chat mode preference is saved at logoff after toggled while in chat. Because of this there is no need for a chat preference item in EP so don't go looking for one. :)
5. BBSTEXT lines 2403-2409 added.
6. Change to BBSTEXT line 929.
7. Changes to BBSTEXT line 2406.
8. CNetIRC now respects a user's private real name status.
9. IMP AmigaDOS/script fidonet msg processing fixed.
10. Mail alias kill "name" field expanded to the proper maximum length.
11. CNetIRC was previously reading too many characters in the server field, NULLing out the server name.
12. Cleanup of some file-task DCC quirks such as removing completed and aborted requests from the file-task process/queue listview.
13. Carrier drop in ARexx doors no longer results in an enforcer hit.
14. Where/doing field of control was not updating due to a subboard bug in which amaint and, any other doors that operated on subboards, locked up.

## 1.10 Changes V4.37

Changes/fixes for v4.37

1. CPS display added to cnFTP transfer status.
  2. Mailing-list gated msgs are now showing in NM scan.
-

3. Change to BBSTEXT line 2396.
4. Added "SMTPD Temp" path to Config. MAKE SURE you set this variable to a large partition in case a large (eg. MEGABYTES) e-mail is received. If SMTPD TEMP is not specified, "T:" is used as default.
5. Trailing digit now added to attachment filename (to create unique filename) only if the file-attach exists in unmolested state.
6. CNetIRC Channel list is now cleared when changing servers.
7. Entering "GO <unknown go key>" in a Door/List area no longer results in CNet returning to MAIN after pressing return at the GO prompt.
8. Removed enforcer hit(s) that occurred when user used upload file-attach.
9. Fixed "More?" prompt during mail alias list.
10. Fixed enforcer hit(s) that occurred in CNetIRC when users had no servers configured and pressed ENTER to connect to the default server.
11. CNet's identd was sending "-l@domain" if there was no ROOT USERNAME defined in CONFIG/DEFAULTS. CNet now sends "bbsuser@domain" if ROOT USERNAME is not set.
12. Fixed file-task ARexx port which was previously not responding unless the file-task window was opened. The result of this bug was that the calling process/task (that ran the arexx script for file-task) locked up. This was most notable in CNetIRC during a DCC send/get.
13. New ONLINE install/reference/maintenance manual. See <http://www.tggh.net/~rakey> ←

## 1.11 Changes V4.36

1. A dedicated CNet FTP client has been added! This client accepts CLI, CNetC, BBSMenu and MCI lanchd args. An arg template can be found on BBSTEXT line 2380.

argument template:

```
R=RemoteSite,P=RemotePort,D=RemoteDir,L=LocalDir,S=ControlScriptName,  
L=LoginName,P=LoginPass,A=Account,G=GetFilename,O=AutoQuit
```

Arguments should be separated by spaces. Arguments that may have a space embedded within should be enclosed in double quotes (").

There are a lot of "to-dos" for this client. This first alpha/release is to get something out there so that CNET sysops do not have to sacrifice the security of their systems by allowing their users to use ncFTP online.

There is no cnFTP SEND command yet. Send will be implemented for the next alpha/beta release.

---



Note: Downloaded files, gotten using the FTP "get <filename>" command are downloaded to the users' MAIL:USERS/<mail\_id>/FILES/ directory where <mail\_id> is the user's UUCP/MAIL-ID.

2. Added BBSTEXT lines 2364-2394 (see !bbstext\_stock)
3. Added BBSMENU section 46. (see !bbsmenu\_stock)
4. Background file-task transform should now process files that are not a testable format.
5. Progress output added to FTP get.
6. Added BBSTEXT lines 2395-2398.
7. Changes to BBSTEXT line 2390.
8. Added carrier check (!! ) to cnFTP.
9. Added remote connection check to commands affecting remote site (LS, GET, etc) ←  
.
10. Added Menu systext:menu/ftp
11. Added FTP "SEND" support.
11. Added BBSTEXT lines 2399-2401.
12. Changes/Additions to entire BBSMENU section "46;CNet FTP Menu".

## 1.12 Changes V4.33-4.35

Changes/fixes for v4.33-4.35

1. Added DCC STATUS listview to file-task. This listview shows ALL active DCC sessions.
  2. Bugfix where DCC listview display was trashed when file-task menufied or iconified and re-opened.
  3. Added DCC logging. Add the following log entry to config/logs:  
  
LOG NAME: DCC  
LOG ID: 414
  4. Added new cnetircvar ARexx hooks to CNetIRC as described below.  
  
"cnetircvar p" returns the PortData address of the current port.  
"cnetircvar m" returns the MainPort address.
  5. Fixed DCC SEND bug which effectively doubled the number of bytes sent.
  6. Fixed a Toss problem where out-of-zone echomail was being sent to bad if the zonegate had the same node number as the receiving node.
-

7. Fixed mail bug in which FIDONET file-attaches were not being added to outbound .FLO file.
8. Fixed port lockup problem when using BBS commands (eg. backslash \ commands) while in CNetIRC.
9. Fixed Control guru when "Control ?" was used and bad/unknown arguments were entered.
10. Vote rewritten as a 3rd party project by Kelly Cochran. (thanks Kelly).
11. Fixed mail upload-attach description prompt.
12. NO SIGNATURES flag was being ignored by Usenet News subboards.
13. User mail ID is now configurable by the USER at login. After initially set by the user, only the SYSOP may change mail ID.
14. ANSI detect is now an external door, supplied as C source and found in the SDK/Examples/ directory of your CNet archive. To add it to your system, simply replace BBSTEXT line 22 with the following:  

```
    ?#2cnet:doors/ansidetect}
```

Make sure to copy ansidetect from sdk/Example\_source/ to cnet:doors/
15. Users can no longer YANK the messages in another user's mailbox during MailVerify (MV).
16. Fixed cTelnet problem where port in pre-configured host list was not being used during connect. You MUST run the update/TelnetUPD435 update executable and then use the EH command on ALL configured telnet hosts, fixing the telnet port for each host.  
  
Remember: Usual/default telnet port is port 23. You should use this number unless the host has a custom setting.
17. Changes to BBSTEXT line 2205.
18. Fixed QWK E-Mail uploads which were not importing properly.

## 1.13 Changes V4.33

Changes/fixes for v4.33

1. Cron screen was left open if non-lace Workbench used.
2. Added another function CNetEndOfRange() to cnet4.library. This function returns TRUE (1) if the current element returned by CNetNextRange() is the last element in a CNet range

For example,

---

if the range "1-10,15,30" were passed to CNetFindRange() and, as CNet range protocol suggests, CNetNextRange() were called in a for() loop, CNetEndOfRange() would return FALSE (0) for all values returned by CNetNextRange() until it returned a value of 30.

There is an example of CNet range usage in the SDK/Examples directory, called RangeTest2.c.

3. CNetPrevRange() added to cnet4.library. Operation is the same as CNetNextRange() but returns the next LOWER element/value in the range.
4. CNetStartOfRange() added to cnet4.library. This function returns TRUE (1) if the current element/value is the first in the range.

The example sdk source rangetest2.c has been expanded to show an example of this function also.

5. Fixed a bug with MailID that created MailIDs such as a1, a2, s1, s2 when the handle or real name contained only a single word.
6. UserEdit was not accurately displaying the state PRIVS/RECEIVE EMAIL flag and (possibly) a few other PRIVS flags..
7. Config now automatically adjusts the subboard NETWORK affiliation when an FTN network is deleted from FTN config.
8. Changes to BBSTEXT lines 2086-2288.
9. Added QUIT button to Cron for those who like buttons with keyboard shortcuts.
10. DCC GET and CLOSE are now implemented in CNetIRC. file-task performs the actual DCC file transfer leaving CNetIRC free to do its thing. This also provides the additional safeguard that if a CNetIRC problem occurs, your DCC transfer not be affected and vice-versa. Files gotten with DCC GET are stored in the users' mail:users/user\_id/FILES/ directory and are currently NOT auto-selected to the user's select list but this will be the action taken in the final 4.33 release. Until then, users may use Kelly Cochrane's CINS user-dir file-maint to select and download files received with DCC GET.

NOTE: that CNetIRC uses the script CNET:REXX/DCCGET.REXX to notify file-task to get a file from an offering remote user. Please be sure to update your system with ALL files in this archive (except systext:#? and sysdata:#?) whether or not the file sizes have changed!

NOTE2: It bears mention that users must use DCC CLOSE if they wish to DCC requests from their DCC list/queue after failed or successful transfers. Although, it is not a problem if they do not as each port's DCC list is cleaned up when a user logs off the respective CNet port/node.

#### DCC COMMANDS IMPLEMENTED

-----

DCC LIST  
 DCC CLOSE <range>  
 DCC GET <range>  
 DCC SEND <name of file from user file dir>

where <range> is a typical CNet range (eg. 1,3 or 1-3,6 etc.)

BUGS: Currently does not complain-to/notify the user if file-task is not running. In the final CNet v4.33 release, users will be notified if they cannot DCC SEND/GET at any moment that file-task is not running. DCC chat will be handled by CNetIRC itself, when implemented.

OVERSIGHTS: No DCC RESUME (yet)

## 1.14 Changes V4.31/4.32

Changes/fixes for v4.31/4.32

1. BBSTEXT/MENU reload trashed pointers so WHO display was corrupt. Change to BBSTEXT line 659.
2. Change to BBSTEXT line 426.
3. Added systext:menu/mail-attach
4. New BBSMENU section 45 for mail-attach menu.
5. CNet now allows uploading to mailbox for file-attach. To do this, enter MAIL SEND (MS) and fill in the recipient and Subject. At the mail flags prompt, press F (for Freq) until it toggles to "SEND". Press enter to continue to the File-Attach menu.

Note that, currently, only single file-attaches are possible for each mail. This limit will definitely be removed in the near future.

6. Added cnetc.library. This is the new standard for CNetC door communications with CNet. The same functions that were in empty.c and cnetc.lib are available in the shared library cnetc.library. The shared library versions of these functions are preceded by "CNC\_". For example, what was once PutText() is now CNC\_PutText(). Please see the new empty.c for example usage. Your C door MUST call CNC\_InitContext() on startup and CNC\_DisposeContext() when your door is done communication with it's CNet port. empty.c is wrapper code with these functions already inserted within.
7. CNetIRC's ARexx port is now fully functional. Each copy of CNetIRC has its own ARexx port, named "CNET\_IRCx" where the x is the user's port number. The most important and most used ARexx command is the cnetirccmd, shown below.

ARexx command	Function	Examples
cnetirccmd	send an IRC command	cnetirccmd '/me is away' cnetirccmd '/' print to user screen' cnetirccmd '/msg HMetal Hey buddy!'

A more detailed list of CNetIRC ARexx commands will be made available later.

Also see the included example ARexx scripts in CNET:IRCRESS for more information.

Please make sure that the script bit is enabled on these ARexx scripts by using the AmigaDOS shell command "protect cnet:ircrcx/#? +s"

Also, to get the default Arexx macros into your /alias list, use the CNetIRC command "/e .ircrc.rexx" Once executed, you will see the text "\*!\* INIT .ircrc" printed on your CNetIRC screen.

8. Fixed the Control SysInfo window activity graph (AG).
9. Converted all ZenMetal CNetC doors to use cnetc.library format.
10. Added ARexx command "checkolms" which will check if OLMs are waiting and display them immediately. Returns 1 if OLMs are displayed; 0 if none were displayed.
11. Added the following CNetC commands:

```
CNC_MailSend(account_number) - sends mail to the specified user
CNC_ReadLog(logname)        - read the log named logname in systext:log ←
/
CNC_OpenDisplay(port_number) - open the port screen for port port_number
```

12. Added TestOpenDisplay.c example combination CNetC/AmigaDOS door to sdk examples drawer.
13. Added file transfer ETA display to Control panel. ETA appears in the "Where" section of the control panel ports display during an upload or download.
14. File-attaches to Internet mail are now MIME-encoded to be included in the mail body. To accomplish this, a file "extension" field has been added for each mime type in Mime-Ed. You may put multiple extensions in each mime type. For example, if you have configured a JPG mime type, you might have the following MIME configuration for that type:

```
Content-Type      : image/jpg
Encoding          : base64
Mail Save Method  : File-attach
News Save Method  : Leave as body text (not implemented yet)
Decode Command   : c:base64 decode from %f to %t
Encode Command   : c:base64 encode from %f to %t
Subboard ID      : <leave blank>
File Extension(s): jpg jpeg jfif
```

Using this example, when a user uploads a file with a .jpg, .jpeg or .jfif extension, it will be encoded using the command,  
"c:base64 encode from <image\_file> to <mime\_encoded\_file>"

note: CNet will use the description the user specifies at the "Filenote:" prompt, during file-attach upload, as the mime description. For adopted files, CNet will use the EXISTING file description and does not (currently) prompt for a (new) filenote.

15. Changes to BBSTEXT lines 2226-2229.
16. Edit Finger (EF) was inserting newlines in the wrong place(s).

17. Dupe subboard GO KEY prompt would not allow changing of the GO KEY if a dupe was entered.
18. MCI is no longer filtered in local mail.
19. Fixed Control sysinfo window percentage/graph that was being corrupted on refresh.
20. stdio (window) output of TOSS in default verbosity was munged. Node number of packet origin was being overwritten by the number of messages imported.
21. Cron received the BGUI treatment. ALL CNet GUIs finally use BGUI. Also fixed some bugs relating to event execution that may have caused SOME events to be skipped.
22. Added a "Last Executed" display to Cron so one can see when an event was last invoked. Note that this "Last Executed" date will be reset whenever an event is altered (eg. change of start time, repeat hours, mins, seconds, etc.)
23. cnSMTPd timeout now configurable in Config/Defaults/SMTPD Timeout and is specified in seconds. Minimum timeout is 60 seconds and nothing lower will be accepted by Config. If you are experiencing a lot of "Connection lost" messages in cnSMTPd log/window, increase this value in 30 seconds increments until the problem is resolved.
24. Added ListEvents.c to sdk/ExampleSource drawer. This example source shows all configured events and their attributes. It is an AmigaDOS Shell executable and must be linked with cnet\_reg.lib.
25. Added ARexx command SETQUERY to BBS:

Command: SETQUERY <opts>

Purpose: Used to set prompt attributes for the ARexx QUERY command. The <opts> decide how the prompt responds to user input. These opts are the very same arguments that can be specified as flags to the EnterLine() function of CNet.

Applicable  
to ARexx

commands: QUERY  
PROMPT NORMAL

<opts>: The <opts> arg is a binary word with any of the following bits enabled.

TIP: Use

BITOR (<string1>,[<string2>],[<padchar>])

to set groups of bits or

BITSET (<string>, <bit>)

to set a single bit in <string>

SEE ALSO: ARexx manual and BITWISE OPERATOR section.

NAME	PURPOSE OF OPT	BIT
------	----------------	-----

---

-----	-----	----
ALLCAPS INPUT	.....	1
FILENAME	filter characters #?:\"*;=	2
USEINBUFF	use existing INBUFFER	3
NOLEADSPACE	don't allow leading space in input	4
CAPWORDSTART	Capitalize the first letter of each	
	word	5
RESTWORDLOWER	Convert all others to lowercase	6
NUMBERSONLY	Allow numeric input only	7
INPUTBOX	Draw input box (eg. with . at the	
	end	8
ALLOWMCI	Allow the entry of MCI control	
	characters	9
HANDLESPECIAL	Don't allow ^_`{ }~@	10
XSLASHSTART	Forward slash (/) exits prompt and	
	sets myz.InputFlags=1	11
XBKSPACESTART	Enable BACKSPACE exit prompt	12
NOOLMS	Don't allow OLMs to appear	13
ALLOWCHAT	Allow other users to break into chat	
	at prompt	14
NOSPACES	Don't allow spaces in input	15
NOCURSORMOVE	Don't allow movement using arrow	
	keys	16
NOSLASHES	Don't allow / key in input	17
NOPATH	Don't allow : or / in input	18

26. Added companion ARExx CLEARQUERY command to clear QUERY bits set with SETQUERY.

27. An ARExx command SETROOTNAME was added to BBS ports in v4.28 and the documentation for it was overlooked.

SETROOTNAME sets a new global ROOT USERNAME. Note that this new ROOT USERNAME is NOT applied to config and only applies until Control is restarted.

28. Added event progress display to Control Panel. When an event is executing, its name and dynamic duration are displayed in the "FROM" and "STATUS" fields, respectively.

29. Added duration of event to the event end time in sysdata:log/events so you can see how long your events are taking to complete.

30. Added CNET:REXX directory and some example ARExx scripts.

31. Added ARExx command RUNPORT which allows ARExx scripts to trigger Control to open/load a port. RUNPORT requires a single argument in AmigaDOS ReadArgs format.

eg. RUNPORT PORT=x

where x is the number of the port to load.

RUNPORT returns "OK" if the port load was successful or the port was already loaded. Returns "FAIL" if the port could not be loaded.

See cnet:rexx/runport.rexx for a complete example of usage.

NOTE that the included ARExx script `cnet:runport.rexx` must exist if you want the immediate port loading feature of cron's new "RUN THIS EVENT NOW" feature to work. This `runport.rexx` script can be altered but must always be capable of running the desired port using the command `"rx cnet:rexx/runport.rexx <portnum>"`. This is the very command Cron uses to load the port to run an event immediately. Control does NOT use this script for port loading.

32. Companion CLOSEPORT ARExx command added to Control. Args and usage are the same as those used for RUNPORT.

See `cnet:rexx/closeport.rexx` for an example script.

33. Added "RUN THIS EVENT NOW" capability to Cron to start/test an event immediately. If the port is not loaded, it is loaded on the fly.

34. Control's BOTLOGON ARExx command fixed. To generate an automatic login, use this command. The script `cnet:rexx/botlogon.rexx` is an example of this command.

USAGE: BOTLOGON <PORT=x>

where x is the port number for which to generate a login.

NOTE that this command brings **\*\* NEW POWER TO CNET AMIGA\*\***. It is now possible to have a "Robot user" online at all times. Using the BOTLOGON command and some clever CNETREXXp ARExx command work, you can completely automate BBS operations.

Also note that the BOTLOGIN command generates a login as if you were to press the spacebar on the local console. You can, via the ADDKEYS ARExx command, login as any user/password combination this way.

## 1.15 Changes V4.29c

Changes/fixes for v4.29c

1. Edit Finger (EF) command was corrupting user finger information. This started happening in v4.29a.
  2. When CONFIG was saved, IMP mailing-list info was invalidated. Control had to be quit and restarted.
  3. Change to BBSTEXT line 2288-2289.
  4. BBSTEXT line 2301 changed to {}
  5. "Include <user> [Y/n/q] prompt" caused port lockups if control was quit while a user was at this prompt, or if a user dropped carrier at this prompt.
  6. New function PutQMulti() added to `cnet.lib`. This function is currently used internally for the mail system. It has the potential of being the backbone of an elaborate/powerful "hotkey" processor.
-



See the Library reference `cnet.lib.doc` in the `sdk/lib` directory for more information on `PutQMulti`.

7. `cnSMTPd` was reporting "Error after WS()" instead of "timeout" when a remote system was either lagged, excessive non-communication time or had closed connection.
  8. Subboards with minimum free bytes before upload set to 0 were not allowing any uploads. Was a problem since CNet/3 days. New code added so that if you set subboard minimum free bytes to 0, CNet will ignore check free-space before and during an upload/batch-session.
  9. `MailSend` to account ranges (eg. "MS 1-") has received a 1000% improvement in lookup speed to reduce user-wait times.
  10. Mailing-List reply-to addresses that had a trailing space on the end were causing problems. Trailing spaces are now removed.
  11. `Config` and `useredit` were not opening their screens in proper PAL monitor mode on European/overseas systems.
  12. `Config/Modems/Device` name was too short to accept "squirrelserial.device". max device name length increased by 1 character to allow this. To avoid shifting of `getuser` values etc, struct `SerPort4->init1` was shortened from 50 characters max to 49 characters max.
  13. Added mins/hours display to "Idle" display of the WHO command. Changes to `BBSTEXT` lines 907 and 1125-1127.
  14. `NNTPGet` received some much needed attention to increase news import speed.
  15. `Enforcer hit` was generated when initiating upload to direct exchange subboard.
  16. Direct exchange subboards were not allowing uploads if minimum free space was set larger than 0.
  17. Dropping carrier at "Hit RETURN to enter the system:" login prompt caused a port lockup.
  18. FULL maint users can now edit mail they did not write when using mail verify.
  19. Idle time display in WHO was not showing LOGON, TERM nor NEWUSER when a port existed in one of those states.
  20. `TimeIdle` variable (used in port idle time calculations) redefined as a ULONG to allow for display of longer inactive periods.
  21. Fixed log delete bug where a failed delete resulted in no logs being readable thereafter.
  22. Internet "FINGER" integrated into CNet online finger. If you have a TCP/IP stack running, users may use "FINGER user@internet\_host" to get information about a user on remote hosts. "FINGER <local\_user>" still works too. Information about the remote (user@site) fingered appears in the log for  
↔  
FINGER  
which is previously defined as CNet log ID# 305. Set an "optional filename"
-

for this log in Config/logs if you wish to have a separate log for it created ←  
in  
your sysdata:logs/ dir.

23. CNetIRC edit server was allowing ridiculous lengths to be used for some of the user text/string settings.
24. CNetIRC had the potential to lockup if a user dropped carrier during a session.
25. CNetIRC could lockup if your TCP/IP stack connection was lost.
26. Note to Miami users: Be sure that "Down when offline" is enabled in Miami's TCP/IP section.
27. Users CNetIRC exit message was not being displayed when they quit CNetIRC.
28. CNetIRC clear screen (eg. /CLS, /C, /CLEAR) command was broken.
29. Added the following log to CONFIG/LOGS:

```
LOG NAME: SOCKET
LOG ID: 413
PURPOSE: For logging of TCP/IP socket connects, disconnects and
         general socket I/O information.
```

(note this log is currently only used by the Finger command. It will soon be expanded to encompass ALL CNet internet clients)

30. CNetIRC was, at times, not notifying the remote server when a user QUIT the server. This resulted in a "Nickname <nick> already in use" message when the same channel was joined during the same IRC session.
31. cnSMTPd was producing software failures if iconified or menufied while a session was active.
32. cnSMTPd was not updating a socket connection's list entry when a remote client timed out (more than 1 minute of inactivity) or lost connection. This had the appearance of a connection being active/present when it really was not connected anymore.

## 1.16 Changes V4.29a

Changes/fixes for v4.29a

1. MIME support added to incoming EMAIL. Using MIMEd, you can set up your own MIME types and associated decoders.

For the decode command, there are some things to note:

use %f for the temporary name that CNet is using as the file to be decoded.

use %t for the final filename.

---

eg. base64 decode from %f to %t

2. Changes to disallow uploading of files with invalid characters in filenames. Changes to lines 402 and 392 of BBSTEXT.
  3. CNet had the potential to allow upload of files named . or .. previously. No longer.
  4. cnSMTPd was corrupting mail on some systems running OS V40.
  5. Added byte progress display to cnsmtpd lines and logging of final mail size to cnsmtpd log.
  6. EL VDE bug fixed.
  7. W<x> was falsely allowing "long description" to be edited when it really served no purpose. The proper and only way to edit/add a long description after the initial "enter long description" prompt has been bypassed is to "ED" the item and edit response 0.
  8. Config was not saving IMP config unless a previous cnet:configs/IMP file existed.
  9. repair\_sub made more verbose by printing subboard names.
  10. EL "Network" setting were cycling as "none, usenet, usenet, fidol, fido2, etc." Fixed to cycle as "none, usenet, mailing-list, fidol, fido2, etc ←  
."  
Make sure BBSTEXT line 1666 says "MailingList" or similar.
  11. Of interest to 3rd party door/utility coders, there are two new cnet link libraries in sdk/lib; cnet.lib and cnetc\_door.lib. These libraries contain many of the functions used in CNet executables which are now available for your use. Library reference in amigaguide format will be released soon.
  12. CNet doors and internal modules recompiled to take advantage of new cnet.lib and cnetc\_door.lib code. This reduced the size of many CNet doors and executables.
  13. Type 2 joinlink sessions were not performing initial handshaking properly.
  14. QWK import bug fixed. Added BBSTEXT lines 1757-1758.
  15. BBSTEXT line 215 changed.
  16. BBSTEXT line 802 changed.
  17. Config was sometimes freezing up after pressing SAVE.
  18. GetRFCDate() sign for GMT offset was backwards.
  19. Mail-task was not creating mail:mimet (mime temp directory) if it did not exist.
  20. nntpget was showing posts, responses and dupes incorrectly (order not correct) ←  
.
-

21. cnSMTPd was not handling empty envelope sender properly.
22. Join was getting an enforcer hit when the last noise in the list was used.
23. cnSMTPd was closing remote connection after receiving a single item rather than waiting for possible multiple items and/or remote disconnect.
24. MIME support routines from mail-task added to iuemail.
25. MIMEd "News save method" was not saving properly. Please note that, at this time, this button has no function. MIME detection/processing is not yet added for usenet news imports.
26. CNetIRC edit server was allowing ridiculous lengths to be used for some of the string settings.

## 1.17 4.28c/d Changes

Changes/fixes for v4.28c

1. Bug fixed where BBSList produced garbage characters in last entry and caused enforcer hits.
2. Change to line 336 of !bbstext\_stock.
3. Fixed unlock which was not flushing it's output before printing input prompts; making unlock appear to be locked up.
4. Broken "AREA: <area name>" logging in BAD\_MSGS reinstated in Toss import routines.
5. Toss altered to handle non-standard/munged packets a bit better.
6. BGUI Config completed. wizard.library is no longer required by CNet Amiga.
7. Fix for bug that allows user to choose who to send mail to if "feedback @login ←  
" is allowed and "feedback goes to mail #1" is enabled.
8. Multi-Mail (MM) reinstated. Changes to bbstext lines 2127-2130 and 2301.

If mail is sent to a RANGE of users using, for example, the command "MS 1-", then the user will be prompted YES/NO for each and every user in the range specified. However, if "MS 1-!" is used, then a global "YES" is assumed.

9. Also, range mail has been changed and the Multi-Mail flag is applied to any mail sent using a range of account numbers or users. If a user attempts to ←  
send  
to more than 1 user per email and the MultiMail privilege flag is not enabled ←  
,  
MailSend is aborted.

10. It is now possible to mail users belonging to a specific access group or range of access groups. To specify an access group or range of access groups rather than a user account, the arithmetic plus (+) character is added before the access group number.

eg. MS +31

The above example would mail all users in access group 31, interactively asking the sender if he/she wishes to include each user.

eg. MS +31!

This example is the same as the above example except that there is no interactive query; ALL users belonging to access group 31 are included.

other examples:

MS +1-4

mail users belonging to access groups 1 through 4.

MS +1-2,6

mail users belonging to access groups 1,2 and 6.

MS +1-2,6;Heavy Metal

mail users belonging to access groups 1,2 and 6 and also the user with the handle "Heavy Metal"

MS +1-2,6;Electropig;rakey@netrover.com

mail users belonging to access groups 1, 2, 6, the user with the handle "Electropig" and the internet account belonging to "rakey@netrover.com"

Changes to BBSTEXT line 1522-1523.

11. IMP section of config is now more intelligent.

If Control is running, instead of requiring that you enter the exact GO KEYWORD of the subboard to be associated with the mailing list gate, all configured mailing list subboards are listed in a cycle gadget for you to choose from. This cycle gadget is updated dynamically so, if you find that you haven't created the mailing list subboard yet: create it and then click on ANY entry in the IMP list of Config and the cycle gadget will be updated to contain the newly added mailing list subboard go keyword.

If Control is not running, you MUST enter the full text GO KEYWORD of the mailing list subboard, as before. For absolute error-free GO KEY choice, we recommend that you have Control running while setting up your IMP mailing list gate(s).

NOTE: After changing IMP config, you must (still) quit and reload Control for your IMP changes to take effect. this limitation WILL be removed soon.

12. New sysop GUI "UserEdit" added to ease local console editing of users! If a port is selected, and the UserEd button of Control is clicked, the selected port user is auto-selected in UserEd's list. The UserEd GUI is similar to the online "EL" VDE (Visual Data Editor).
-

UserEd buttons/Gadgets:

USERS:

A list of existing BBS users. Select a username to view and that user's account attributes are displayed in the initially locked gadgets. Note that if a user is in LOCK/EDIT mode, clicking on any user in this list will cause your changes to be abandoned.

LOCK/EDIT:

Use this button to LOCK the currently selected user and begin making changes to account attributes.

UNLOCK/SAVE:

Use this button to commit/save any changes made to an account since the LOCK/EDIT button was pressed.

REFRESH:

Refreshes the UserEd user list and the current user. Note that if you use refresh while a user is locked/edited, you will lose any changes made to that user.

All other buttons, tabs and other gadgets are exactly like their online "EL" VDE version in name and attribute. See your CNet manual if you need information on any of these attributes and their purpose.

13. (coders) Mailboxes now require locking a semaphore before accessing `_mhead/_mtext`. The semaphores associated with mailboxes range from 0 to `myp->Nums[0]` and are located in a dynamic array of `SignalSemaphores` in `myp->MPE->MailSem[x]` where `x=Account_Number-1`.

Try not to keep these semaphores locked for too long as users logging on may need to access their mailboxes and if you have an outstanding lock on their mailbox. eg. lock mailbox, read/write/copy data, unlock mailbox.

See `control.h` and the `MainPortExtension` structure for more info.

14. New function `GetRFCDate()` added to `cnet.library` for support of internet RFC format dates. Note that CNet uses `locale.library` to get GMT offset information. You should set your system timezone using the `LOCALE` preferences editor found in `sys:prefs`.

example for coders:

```
void main(void)
{
    char datebuffer[40];
    struct Library *CNetBase;

    if(CNetBase = OpenLibrary("cnet.library", 4L))
    {
        GetRFCDate(datebuffer);
        Printf("RFC date is: %s\n", datebuffer);
        CloseLibrary(CNetBase);
    }
}
```

```
return;
}
```

15. #?-task buffer refresh now more efficient when de-menuifying and de-iconifying ↔  
.
16. Setting was not being saved for "Command" string gadget of Config/IMP when process-type "AmigaDOS/RX script" is used.

#### Changes/fixes for v4.28d

1. SMTP daemon (cnsmtpd) now included with CNet. This daemon is one that should be run AFTER both your TCP/IP stack AND Control are running. It will accept a maximum of 32 simultaneous SMTP connections. It is also an AmigaDOS executable that should be run in any AmigaDOS Shell.

eg. run cnet:cnsmtpd

2. SMTPd section added to Config. There are currently two lists on this page:

#### LOCAL HOSTNAME/ALIASES

This is a list of hostnames/aliases that your system is known as. For example, your system may have multiple domain names. Enter all names/aliases that your system is known as in this list.

eg. metalshoppe.dyn.ml.org  
metalshoppe.com

(note that the above examples are not really existant. They are for purposes of illustration only)

NOTE: An entry for "LOCALHOST" must exist so be sure to add this alias.

#### SPAM HOSTS/IPs

This is a list of sites, hostnames and IPs that should be ignored. If a system in this list attempts to hit your system via SMTP it will be ignored.

eg. make.money.fast.com  
spam.com

(note that the above examples are not really existant. They are for purposes of illustration only)

3. CNetIRC EDIT SERVER fixed. It was previously possible to specify a server number higher than that of the number of servers configured.
4. TimeZone setting added to Config/defaults. Please set this attribute to the three letter abbreviation of your timezone (eg. CST, EST, etc.)
5. Control received a new menuitem titled "cnsmtpd" under the menu "Internet" When selected, this menuitem will run the cnsmtpd task.

NOTE: This menuitem requires that cnsmtpd be located in your CNET: directory.

---

6. Added S=RUNSMTPD arg to Control. To have Control run cnSMTPd when it boots use the S arg as follows:

```
run <>NIL: Control s
```

7. Host Filter editing added to cnSMTPd. "SPAM" hosts can be added while sessions are in progress. Changes are saved to disk when the Host Filter window of cnSMTPd is closed. cnSMTPd doesn't apply the changes to sessions until they are saved to disk.
8. CNetIRC now allows local "Everywhere" commands to be used.  
  
eg. /WHO
9. CNetIRC status bar fixed in many key locations where it was not refreshing.
10. CNetIRC now displays OLMs when received by the user's port rather than after quitting IRC.
11. Amaint enforcer hit removed.

## 1.18 4.28a/b Changes

Changes/fixes for v4.28b

1. All task GUIs converted to BGUI layout. One difference from the StormWizard task GUIs is that to save the mail-task window position, you must use the menu "MAIL-TASK" menu and select SNAPSHOT WINDOW to save window size/position. Control's Mail, Files, Yanks and News popup menu buttons also received a new menuitem, "Snapshot Position" for extended control.
2. Fixed IMP Mailing List Gate bug where only replies were being sent to the mailing list address; posts were posted using the regular subboard posting mechanism.
3. Fixed global FTN post/reply bug which caused posts/replies to be sent to the wrong network.
4. All CNet GUIs now have public screen support. If you run control using the PUBSCREENNAME=<screen name> arg, all CNet tasks (eg. mail-task, file-task, etc.) will open their windows on the public screen specified when spawned by Control - whether at startup or when you use the popup menu task buttons. Each task also has it's own PUBSCREENNAME argument that can be added if you choose to run the task(s) via script or by hand.

PLEASE NOTE that Control does not (yet) open the public screen for you. You must use a utility such as ScreenWizard, ScreenManager, Pubby or some other public screen utility to initially open the public screen that you want CNet to use.

Note: The StormWizard layout library (wizard.library) is still used for CNet's "Config" program which will be re-written to use the faster BGUI layout engine in a later release. The Config GUI re-code will take approx. 2



days to complete. Therefore, some previously reported bugs must be fixed in the meantime. Please have patience with the current StormWizard Config program. It will be much faster and less buggy once converted to BGUI. Once Config is re-written, the buggy StormWizard - as far as CNet development goes - will be scrapped.

#### Changes/fixes for v4.28a

1. Fixed "\*\*\*NULL POINTER\*\*" that was appearing in mail subject of some mails.
2. Fix for the amaint bug that results in the user being put in a different subboard after completion.
3. Alternate Control BGUI created using the BGUI.library BOOPSI GUI layout library. BGUI may end up taking over since StormWizard could not function propely. You do not have to rename the BGUIControl as Control but you may if you like. BGUIControl, of course, accepts the same CLI args that the StormWizard Control did/does.
4. For the BGUI Control GUI, you can now define which system stats are displayed. The default of "Sysop Mail, Maill, Calls Logged, Total Calls, Current NUsers, Users, Posts Now, Resps Now" can be changed.

To change the items displayed, edit BBSTEXT line 2335. Each %X represents one item on the Control panel stats display. eg. %g represents "Sysop Mail". Also, it is critical to note that the order that you put these in is not important but there is an order in the layout process. Each %X is laid out as follows:

```

1 3 5 7 9 11
2 4 6 8 10 12

```

So, "%g%i%q%r%n%s%j%k" is laid out as so:

```

Sysop Mail: xxx  Calls Logged: xxx  Current NUsers: xxx  Posts Now: xxx
Maill: xxx      Total Calls: xxx      Users: xxx      Resps Now: xxx

```

Example 2: "%l%i%q%r%n%s%j%k" is laid out as so:

```

Total Sysop: xxx  Calls Logged: xxx  Current NUsers: xxx  Posts Now: xxx
Maill: xxx      Total Calls: xxx      Users: xxx      Resps Now: xxx

```

NOTE that the difference in example 2 is the change of the first sequence from %g to %l which changed "Sysop Mail:" to "Total Sysop:"

Here is the list of available variable placeholders for Control's status "bevel box" area:

%1	=	Total FBack	%2	=	Total Mail
%3	=	Total Maill	%4	=	Total Posts
%5	=	Total Responses	%6	=	Total ReadText
%7	=	Total Doors used	%8	=	Total Newusers & Guest
%9	=	Total Upload Files	%a	=	Total Upload K
%b	=	Total Download files	%c	=	Total download K
%d	=	Total Minutes USE	%e	=	Total Minutes IDLE
%f	=	Total Charges	%g	=	Current FBack

%h	=	Current Mail	%i	=	Current Mail1
%j	=	Current Posts	%k	=	Current Responses
%l	=	Current ReadText	%m	=	Current Doors used
%n	=	Current Newusers	%o	=	Current files online
%p	=	Current files K online	%q	=	Calls logged
%r	=	Total Calls	%s	=	Total users

NOTE that after changing the Stats lines in bbstext, you must use the Control RELOAD TEXT/MENU menuitem and then close (iconify) and reopen the BGUIControl window to see your changes.

## 1.19 4.28 Changes

1. Config listview problems fixed in Logs, Modems, etc where double-clicking on a list item caused an alert.
2. Config now allows the addition of a "modem" with no device.name to be used as a local port.
3. One can no longer run Config if the Control panel is locked. Remember, after you select "Lock and Write Setup" in Control's menu, you must use the command CNET:UNLOCK to unlock the Control panel.
4. One can no longer run CRON if the Control panel is locked. Remember, after you select "Lock and Write Setup" in Control's menu, you must use the command CNET:UNLOCK to unlock the Control panel.
5. Fixed File-Task Appicon which was not being properly saved in Config/Display/File-Task Appicon.
6. InterceptMailProcess (IMP) added to CNet. IMP is destined to be one of the most powerful concepts of the CNet mail sub-system. Using the Config/IMP section, you can now have CNet look for messages addressed TO or FROM users and have that mail processed one of 2 CURRENT ways (may be expanded in the future):
  - 1) by a DOS script specified in the IMP section of config.
  - 2) by redirecting to a CNet subboard as a mailing list gate also configured in Config/IMP.

Config's IMP attributes will change depending on the type of processing is to be done for the TO or FROM address given.

The "Apparent Recipient" is any string of alpha-numeric characters currently matching one of the following: (full AmigaDOS pattern matching is supported here).

- 1) The "TO:" of an RFC-822 compliant Internet E-Mail.
- 2) a FTN (FidoNet) email's TO address.

The "Apparent Sender" is any string of characters (with full AmigaDOS pattern matching) matched in any combination of the following fields/formats:

- 1) The "Reply-To:" or "From:" of an RFC-822 compliant Internet E-Mail.
- 2) a FTN (FidoNet) email's FROM address.

Toss, mail-task and iuemail have been altered to support the IMP system. As with any new concept or feature, there may be minor bugs. Please report any bugs ASAP.

IMPORTANT IMP EXAMPLE:

The Apparent Sender/Recipient field should COMPLETELY match the attribute it is being compared against. Thus, if one wanted to gate the cnet mailing-list to a subboard with a "GO keyword" of mailinglist\_cnet, look at the "Reply-To:" header of the email and find the following:

```
Reply-To: cnet@megalith.dade.fl.us (MailingList 'cnet')
```

To successfully gate all mail with a Reply-To like this, you would have to use one of the following examples as the "Name/Pattern" of your IMP filter:

```
cnet@megalith.dade.fl.us (MailingList 'cnet')
#?cnet@megalith.dade.fl.us#?
#?MailingList 'cnet'#?
```

or any variation thereof. Note that the first possible name/pattern is not a "wildcard" pattern and is a COMPLETE match for the whole Reply-To. However, the other name/pattern examples all contain the AmigaDOS wildcard pattern (#?). WildStar (\*) support is possible if you have enabled Wildstar via a Commodities exchange program (AKA commodity).

6. Mailing List support (gating in/out) added to CNet subboards. To make a CNet subboard a mailing list gate:
  - 1) use the EL command and set the subboard's NETWORK setting to "Mailing List".
  - 2) Set the "Process Method" in Config/IMP to "Mailing List Gate".
  - 3) Set the Detect Type to "Apparent Sender" and be sure that the Name/Pattern matches or partially matches the "Reply-To" address of the mailing list.
  - 4) Set the "List Address" to the e-mail address of the mailing list.
7. Change to BBSTEXT lines 1666 and 1867-1870 for mailing list support.
8. Added help file systext:help/maillinglist.
9. Final fix of the "missing short description" bug when files are moved.
10. Fixed problem that some sysops were experiencing which caused crashes when ← using shortcut keys (eg. Right Amiga '-').
11. Of interest to door coders, more functions appear in cnet.library:

```
-----
Name      : NumFromUnique
Prototype: short NumFromUnique(char *gokeyword);
Purpose   : Allows one to find the physical subboard number of the
```

subboard having a go keyword of <gokeyword>. The physical subboard number is the one used to access the given subboard in the global subboard list.

Returns : Physical subboard number pertaining to the given go keyword or -1 if not found.

Bugs : None

EXAMPLE:

```
short PhysNum;

PhysNum=NumFromUnique("FILES");
if(PhysNum > -1)
{
    sprintf(z->ABuffer, "GO keyword FILES pertains to subboard %s\n ←
        ",
                myp->Subboard[PhysNum].Title);
    PutA();
}
else
    PutText("No subboard found with a go keyword of FILES\n");
```

-----

Name : FindOrdinal

Prototype: struct Node \*FindOrdinal(struct List \*list, short n);

Purpose : Finds the list node pertaining to a given node number.

Returns : Pointer to the Exec node pertaining to <n> or NULL (0L) if not found.

Bugs : None

EXAMPLE:

```
struct Node *nodeptr;
struct Node addnode;
char nodename[10]; // 9 chars max nodename + 1 char for NULL ('\0') ←
    byte
struct List mylist;

// list setup
NewList(&mylist);
strcpy(nodename, "dumminode");
addnode.ln_Name = &nodename[0];
AddTail(&mylist, &addnode); // could have also used AddHead()..

// FindOrdinal usage..
nodeptr=FindOrdinal(&mylist, 0);
if(nodeptr != &addnode)
    Printf("Error finding node %d\n", n);
else
    Printf("Node %d found; name: %s\n", n, nodeptr->ln_Name);
```

-----

Name : InStr

Prototype: short InStr( char \*string, char \*isin );

---

Purpose : case insensitive check to see if <isin> is a substring of < ←  
 string>  
 Returns : 0 if <isin> is NOT a substring of <string>, starting position  
 of match otherwise.  
 Bugs : None

## EXAMPLES:

```
if((InStr("Reply-To: rakey@netrover.com", "reply-to: ") == 1)
{
  printf("This is a valid Reply-To line.\n");
}

if((InStr("Rly-To: rakey@netrover.com", "reply-to: ") == 0)
{
  printf("This is not a valid Reply-To line.\n");
}
```

-----  
 Name : AllDigits  
 Prototype: short AllDigits( char \*string);  
 Purpose : check to see if <string> contains only ASCII digits  
 Returns : TRUE (1) if string is all digits, FALSE (0) otherwise.  
 Bugs : None

## EXAMPLES:

```
if(AllDigits("12345678901234567890"))
  printf("All digits!\n");
if(AllDigits("1a3b5c7d9elf3g5h7i9j"))
  printf("Oops! Some non-numeric characters present!\n");
```

-----  
 Name : CopyFilterText  
 Prototype: CopyFilterText(char \*dest, char \*source);  
 Purpose : Copies source to destination, removing MCI, carriage returns  
 linefeeds and converting TABS to 3 spaces in the process.  
 This is the function used to prepare text to be displayed in ←  
 CNet  
 GUI buffers.  
 Returns : None  
 Bugs : None

## EXAMPLES:

```
// print a known BBSTEXT line that has MCI in it
PutText (bm[44]);

// now Copy/Filter the same line to z->ABuffer and print it
// using PutA()
// the second printed version will be stripped of MCI and the
// control characters mentioned previously.
CopyFilterText (z->ABuffer, bm[44]);
PutA();
```

## 1.20 4.27b Changes

1. Re-instated BBSTEXT line 1124 to allow MCI to be executed at the END of the new user process.
2. All background task GUI (mail-task, file-task, etc.) buffers now scroll so that the last action performed is visible in the scrollbar display at all times.
3. Added Yank-task GUI, very much similar to mail-task, news-task and file-task GUIs.
4. Added window menus for clipboard support to mail-task, file-task, yank-task and news-task GUIs to allow buffer contents to be copied to clipboard unit 0.
5. Added the ability to save all "task" GUI buffers to a file. This is also in a window menu as "Save buffer as.."
6. Added clipboard support to CNet's Visual editor (VisEd), finally! Each port uses one of 100 separate units of the Amiga clipboard.device.

```
eg. BBS port 0 uses clipboard.device unit 1
    BBS port 1 uses clipboard.device unit 2
```

this is intentional so that online users do not disturb the contents of unit 0 which is used by many other Amiga application programs.

Some editors, such as CygnusEd allow you to select a clipboard unit to paste from. The sysop may, for example, on port 3 copy a region of text in his VisualEditor to the clipboard (using the VisEd REGION MARK and then REGION COPY commands) and then, in CygnusEd, select clipboard unit 4 and paste from that unit, to insert his VisEd text into CygnusEd.

7. Config/tasks section added for configuration of mail, news, file and yank task.
8. Added max buffer sizes for all tasks in Config/tasks. These settings are the maximum number of LINES to be buffered in the "status listview" at the bottom of each #-task GUI. Anything past the number of lines specified will result in a first-in/first-out replacement of buffer lines. A setting of 0 means that you do not want the task buffers to be trimmed.

## 1.21 4.27a Changes

1. The EnterPassword() function now supports case-sensitive password entry. Use the following function or a snippet of this code in your doors, to support case sensitivity in passwords:

```
void MyGetPassword( void )
{
    // retain old input case setting
    UBYTE OldCaseFlag=z->NoCaseConvert;

    // set input routine flag to NOT convert password to uppercase
```

```

// this same flag affects the case setting of the OneKey()
// function also
z->NoCaseConvert=1;
EnterPassword();

// restore old input case setting
z->NoCaseConvert=OldCaseFlag;
}

```

NOTE: the password received by EnterPassword() and, hence, the password received by the MyGetPassword() function above is always retained in z->InBuffer after calling EnterPassword(). Also note that if z->NoCaseConvert is set to 0 (the default) instead of 1, the returned password is all uppercase.

2. DOS arg support added to transpose for use in BBSMENU commands AND CNetC Cron events. Transpose now accepts two DOS arguments; a user account number and an access group number to do auto-transpose.

eg. {CNET:DOORS/transpose 1 31}

The above would assign account number 1 to access group 31.

With auto-transpose, the only "priviledge flag" not lost is the "SuperUser" flag. All other flags, limits and priviledges are set to the newly assigned access group defaults.

NOTE: both arguments must be specified and must be NUMERIC. No handle/name parsing is performed for auto-transpose.

3. The Control panel's Mail, File and News task buttons are now multi-function pop up menu buttons that have different functions depending on whether the tasks are absent, running, iconified or menufied.
4. Controversial password echoing removed. No longer does CNet echo a user's password back to them after the newuser process is complete nor does CNet display the user's password as it is entered. A second password prompt now serves as verification that the user entered the intended password.

Changes to BBSTEXT lines 168-170 and 1124-1129 inclusive.

5. Both iuemail and mail-task's internet email import was ignoring mail files that had messages containing \t (tab) in the "from: " field. Fixed!
6. Mail-task was not sending spooled email unless an email was written while the system was connected to the internet. mail-task now checks for a valid internet connection (via bsdsocket.library) every x seconds in order to send spooled internet mail. The spool-send-timeout is configurable in the defaults page of Config as "Mail Timeout (secs)". If there is no spooled mail, the connection check is not performed.
7. File-task has received a GUI much like mail-task and news-task GUIs so that it is easier to visualize file-task's test and transform processes. Don't forget to copy (or create your own) sysdata:file-task.info if you want file-task to be capable of being iconified.

## 1.22 4.27 Changes

1. Fixed CNetIRC enforcer hits that occurred when no TCP stack was running and a user runs CNetIRC.
2. Mail-task is now capable of posting internet mail directly to a SMTP mail server.

The following config settings have been added to CNet config, to support SMTP posting:

```
DEFAULTS: Mail Server
OPTIONS:  Send Mail - options: "using external sendmail"
                                "using internal SMTP"
```

## 1.23 4.26k Changes

1. Bug fixed in which expire mail caused mail counts to be improperly represented.
2. Fixed Control "stats" display bug which consumed CPU bandwidth.
3. Added "Posts" and "Responses" statistics display to Control.
4. Fixed Config bug in which Export-To areas and nodes were flagged incorrectly. Exported areas were denoted with no "+" and non-exported nodes were denoted by a "+".

## 1.24 4.26j Changes

(This was just a quick bug-fix release consisting of mail-task, news-task and Config and their associated #?.wizard and #?.cd files.)

1. Fixed some minor case inconsistencies in Config GUI.
2. Mail-task and news-task GUIs reworked slightly to allow the windows to be compacted even more.
3. Fixed a major Config ScreenMode bug that was causing TWO Config windows to open leaving one window open when Config was closed.

## 1.25 4.26i Changes

1. BBSList and associated amaint bbslist maintenance code re-written.
2. CBase.library is no longer required for CNet/4. You may delete libs:cbase.library once you are satisfied that you will not be regressing to a version of CNet previous to v4.26i.

Also note that because cbase is no longer used for amaint or bbslist, cbase.library is now obsolete.

3. Fixed cnet.library's HNameToUUCP() bug which caused netmail/email to "sysop" to be bounced.
-



4. Various Control Panel GUI fixes to optimize speed and correct visible quirks due to Control panel window sizing.
5. CNet's Config GUI received a brand new look designed to enhance user-friendliness! Like all other CNet executables that are GUI-based, you must issue the command `CD CNET:` before running the new config. A new "Config" button has been added to the CNet Control panel to allow easy Config execution.

## 1.26 4.26h Changes

1. Fixed `CNET:CLOSE` command and added a new "ALL" argument.

`CLOSE ALL` will close all ports one at a time when users logoff.  
`CLOSE ALL HANGUP` will close all ports and dump users immediately.

2. Fixed Z search lockups when a file with > 8 line short file description is displayed.
3. Various new Control GUI fixes. Please notify ZenMetal if there are any remaining quirks apparent.

KNOWN BUG: sometimes, when Control is resized, a few gadgets are not refreshed. This includes the window SIZE gadget itself. The gadgets ARE still attached. Resizing the window again will make the gadget(s) re-appear. This is a StormWizard SCROLLER gadget bug which has been reported to HAAGE & PARTNER and will be fixed as soon as possible.

4. Fixed `cnfingerd`.

## 1.27 4.26g Changes

1. Control Panel, mail-task and news-task all received a new look. CNet sysop GUIs are now created using HAAGE & PARNER's StormWizard 2.0. You'll notice a nicer flow to CNet GUIs and also more Intuition Style Guide compliance. The next release, Config and Cron will also receive the new GUI treatment as well as more bug-fixes reported throughout the v4.26f release.

## 1.28 4.26f Changes

1. Mail filtering at both user-level and sysop-level added.
2. `sysdata:sys.MailKill` added. Use "MK" to edit this file.

The MailKill file essentially functions as an incoming GLOBAL mail filter. ←  
What makes it global is that no matter WHO the incoming mail was addressed to, it will never be imported/delivered to anyone on your system.

---

You may put handles, real names, network addresses or partial matches for any ←  
of  
the aforementioned in the mailkill file. Mail kill patterns/names  
are entered one pattern per line. Be VERY careful with auto-killing internet  
mail. You may essentially short out your complete internet mailing system.  
Be sure to use the proper filter pattern for the intended mailkill entry.

Each user will also have his own private mail kill capabilities, known as  
a "twit filter". This is edited by the user using the "MF" (MailFilter)  
command. (but not yet implemented as of CNet v4.26f)

Kill filters use the familiar AmigaDOS pattern parsing/matching system so,  
if you have a wildstar (\*) commodity installed, \* may be used in place of #?  
in patterns. Also the special characters ~()?) may be used. The character  
'?', when used in a pattern represents any character. "#?" represents  
a whole substring of characters. See your AmigaDOS manual for more  
information on AmigaDOS file patterns.

Changes to BBSTEXT line 1200.

#### Example MailKills

-----

eg. Internet filters:

```
single user:                username@somedomain.ext
whole domain:              #?@somedomain.ext
.org domains:              #?@#?.org
.com domains:              #?@#?.com
```

#### ISP specific kills

```
all users at netrover's
Windsor providership:      #?@windsor#?.netrover.com

all users at AOL:          #?@aol.com
```

```
psuedo-Class C internet filter: #?@ipbits1.ipbits2.ipbits3.#?
psuedo-Class B internet filter: #?@ipbits1.ipbits2.#?.#?
pseudo-Class A internet filter: #?@ipbits1.#?.#?.#?
```

NOTE: although Class A, B and C internet IPs have ranges  
of bits for true class A, B and C qualification, ranges are currently not  
allowed in mail filters.

Ranges WILL be added in the future.

eg. FTN (Fidonet) filters

```
single user:                username@zone:net/node.point
user@subnet:                Spammer@1:246/#?.#?
whole subnet (all nodes):   #?@1:246/#?.#?
whole zone:                 #?@1:#?/#?.#?
```

eg. Local user filters

```

single user real name:      Ray Akey
single user handle:        Heavy Metal
single user account:       1
multiple user account:     1-20
all local users:          #?

```

eg. Short circuit ALL mail on your system (requires 4 patterns)

```

#?*#?:#?/#?.#?
#?@#?:#?/#?
#?@#?
#?

```

Again, be very careful adding MailKill entries as a few mis-keyed entries could result in short-circuiting the ENTIRE mail system on your BBS or, at least short-circuiting any one of local, fidonet or internet mail.

3. Mail-task received additional log window output to support MailKills. If a global mailkill has been effected, you will see the message, "Global MailKill: <username>" in the Mail-task window. Additionally, you will see information on who the sender was sending the mail to immediately under a mailkill message as: Intended recipient: <username>
4. Implementation of personal user mail filters. Users use the MAIL;FILTER command to edit their personal mail filter list.

The SYSOP (or any user with the SYSOP MAINTENANCE privilege flag) may edit the filter lists of other users by supplying an additional argument (handle, real name, account) to the FILTER command.

eg. MAIL;FILTER Heavy Metal

Changes to BBSMENU section "17; Mail". Note the addition of the "FILTER" command.

Changes to menu file systext:menu/mail

Mail filters are entered one per line.

Mail filters can be an account number or a partial or full user/network address.

```

examples: Ray Akey@1:246/74      <- single user REAL name
          Heavy Metal@1:246/74  <- alternate (handle) method for the ↔
          same user
          rakey@netrover.com     <- internet address
          #?@netrover.com        <- all users at ISP netrover
          1                      <- local account #1 (sysop)
          Heavy Metal            <- local user

```

5. Personal user mail filters added for subject filtering. Additional Changes to BBSTEXT lines 278 and 2261-2264.

The sysop (or any user with FULL maint) can edit user mail filters by entering the POST OFFICE FILTER SETTINGS (MAIL;FIL) and then Nx or Sx, where x is the user's account number, handle or real name.

Please note that subject filters can be a specific topic, or may contain pattern matching characters (?, #?, \*, etc.)

Any incoming personal mail that has a topic matching any of the patterns specified in the recipient's subject mail filters will be ignored by CNet.

6. Added section "43;Mail filters" to BBSMENU (see !bbsmenu\_stock).
7. Added menu file systext:menu/mailfilter.

## 1.29 4.26eR1 Changes

### CHANGES/FIXES FOR V4.26eR1

1. Short descriptions (most importantly, FILE\_ID.DIZ) were not being trimmed properly after searching for FILE\_ID.DIZ or FILES.BBS. Fixed.
2. Fixed improperly diagnosed disk free-space displays that have been wrong since CNet/3 days.

## 1.30 4.26dR2 Changes

### CHANGES/FIXES FOR V4.26dR2

1. Logging of "ABuffer munged" to sysdata:log/execute whenever the BBS detects that an external door has corrupted z->ABuffer.
2. ABuffer munge check now corrects ABuffer in an attempt to reduce system crashes. Sysops should still reboot or reload the troubled port ASAP if they see "ABuffer munged but temporarily corrected" in the log sysdata:log/execute. Be sure to check that log 408 exists in the LOGS section of CNet Config. Log 408 should be named "Execute"
3. Added ANSI detect @ login. Changes in lines 672, 673 and 674 of bbstext. Be sure to remove any previously installed ANSI detection doors from BBSTEXT line 22.
4. When moving file items (the MO command), it is now possible to REPLACE an existing file of the same name. Change to BBSTEXT line 1779.

## 1.31 4.26d Changes

### CHANGES/FIXES FOR V4.26d

1. Logging of "ABuffer munged" to sysdata:log/execute whenever the BBS detects that an external door has corrupted z->ABuffer.
-

2. ABuffer munge check now corrects ABuffer in an attempt to reduce system crashes. Sysops should still reboot or reload the troubled port ASAP if they see "ABuffer munged but temporarily corrected" in the log sysdata:log/execute. Be sure to check that log 408 exists in the LOGS section of CNet Config. Log 408 should be named "Execute"
3. Added ANSI detect @ login. Changes in lines 672, 673 and 674 of bbstext. Be sure to remove any previously installed ANSI detection doors from BBSTEXT line 22.
4. When moving file items (the MO command), it is now possible to REPLACE an existing file of the same name. Change to BBSTEXT line 1779.

## 1.32 4.26d Changes

### CHANGES/FIXES FOR V4.26d

1. Implemented Personal user configuration in CNetIRC. Changes to bbstext lines 2292-2334.
2. Fixed bug where invalid fidonet mail addresses were being incorrectly interpreted and sent as internet email.
3. Nodelist searching (COMMAND: mail;nodelist) fixed for Traplist.library v5.2 and below. The newer traplist.library v5.4 NLEnumNode() function is broken and cannot be fixed until I receive a new developer package from the Trapdoor people (request in progress).
4. News-Task is now started by Control. To stop Control from running this task, add the "W" switch to your Control args in CNet-Startup as follows:

```
run >NIL: <NIL: Control W
```

OR

```
run >NIL: <NIL: Control NONEWSTASK
```

5. SOME \*\*CNETC\*\* DOORS MAY NEED TO BE RECOMPILED/UPDATED. PLEASE READ THE FOLLOWING IN ENTIRETY TO AVOID PROBLEMS.

The largest BBSTEXT line length restriction has been removed! The size (length) of the internal ABuffer is now (somewhat) dynamically configurable. The sysop sets the MAX size of ABuffer in Config/Limits now, in the "Output Buffer (ABuffer) size" attribute.

If you forget to set this in Config/Limits, the BBS will use a value of 256 by default.

The value of "ABufferSize" can be anywhere between 256 and 9999 inclusive. These limits are enforced by Config/Limits.

Please be aware that, after making a change to Config/Limits/ABuffer size, Control MUST be restarted before the change will take effect.

As a side note, contrary to what some sysops believe, there is only ONE

copy of bbstext in memory at any given moment. CNet does NOT load a separate copy of bbstext for each and every port. If you increase your bbstext by 100 characters, it will only take up approx 100 bytes of memory.

The only exception to the "one bbstext in memory at a time" rule is if you are using "forced" or "port specific" bbstexts for different ports, or if you are using more than a single "text translation" (eg. bbstexts in two languages)

Another consideration is to be careful not to set ABufferSize TOO large as you lose (number\_of\_ports\_loaded \* size\_of\_ABuffer) bytes when ABuffer is increased. CNet previously used 256 bytes. A value of 1024 is now recommended. But, by all means, if you have the memory to spare, feel free to make it larger. You are the one who will benefit by the increased size by being able to expand bbstext line lengths that much more.

C CODERS NOTE #1: please note that ABuffer is now a POINTER variable. That is ←  
 the memory set aside for ABuffer can now reside anywhere in memory. Do not count on ABuffer being "in" PortData memory space anymore. It is allocated when each port loads. z->ABuffer now points to the location where the buffer was actually allocated.

C CODERS NOTE #2: Any door(s) you have written, that use z->ABuffer, MUST be recompiled. SOME older doors may work ok as long as they do not use PutA() or otherwise access z->ABuffer. AmigaDOS doors are not affected by this ←  
 change  
 if they do not access z->ABuffer or myp->PortZ[x]->ABuffer.  
 A general rule is to check the WHO command after running a door. If the ←  
 actual  
 port text is not shown, z->ABuffer has been corrupted and the door you ran ←  
 last  
 needs to be updated. Another symptom that z->ABuffer has been corrupted is ←  
 that  
 the HEADER (eg. Name, date) of mails and posts/responses will not appear but ←  
 the  
 body text of the message will be printed unscathed.

AREXX CODERS: If your code uses z->ABuffer directly, you will need to alter your door so that it gets the 4 BYTE (32-bit) ADDRESS of the ABuffer from z->ABuffer and use THAT address to access ABuffer. The 4-byte address that z->ABuffer points to is the start of the actual memory block that where ABuffer space begins. For example, If the number in z->ABuffer is 1135a278 Hex, and ABufferSize is 1000, then the actual buffer starts at 1135a278 Hex and ends at 1135a660 Hex.

ALL CODERS: The sysop-defined ABuffer LENGTH is stored in myp->gc.ABufferSize  
 The address of the START of allocated ABuffer memory is stored in  
 the pointer z->ABuffer

6. CNet no longer prompts you to "Enter an OPTIONAL long description" if "AO!" is used to adopt files.
7. System "NEWS" path (eg. news users see at login) is now configurable in the PATHS section of CNet Config. If you have a subboard set up for users to read system news, make sure the "data path" of the subboard and the path in "Config/Paths/News Path" are the same.

8. OLMs are now time-stamped (coders: see olms.h for type). When an OLM is displayed by CNet, it will print the elapsed time (mins:secs format) since the OLM was received from the sender.

Changes to BBSTEXT lines 893, 898 and 920.

9. It is now possible to specify whether specific ports are shown on the WHO display whether idle or not. This is set in CNet Config, in the "modems" section, for each port.

To toggle whether a port is to be shown on the WHO display, select the modem number in Config/Modems and click on the list item "Show Port on WHO display." To effect this change, all ports must be reloaded (eg. close port and reload - Control does NOT have to be restarted!!).

## 1.33 4.26c Changes

### CHANGES/FIXES FOR V4.26c

If you are running a version previous to 4.26a, please see the note in the changes for 4.26b section - corrupt userdata may ensue if you do not read that section

Also: install ALL files and libraries present in this package. Failure to do so may result in corrupted userdata.

1. Fixed Edit Mail Alias (MA) Address field to allow longer for internet addresses.
2. CNetIRC completed. CNetIRC is a complete IRC solution for your users to chat using the Internet Relay Chat protocol. CNetIRC, like other internet clients, requires that you have a TCP/IP stack running. ZenMetal Software recommends Miami which is much easier than AmiTCP for sysops to install. The Miami demo can be acquired from the ZenMetal support BBS(es) and aminet sites worldwide. The Miami demo has a 30 minute connection limit which is generally enough time to test a functional setup. At the time of writing Miami's registration fee is \$35.00 U.S.

CNetIRC setup:

- 1) copy CNetIRC to cnet:doors/internet\_support
- 2) add cnet:doors/internet\_support/CNetIRC as a CNetC door either in ↔ BBSMENU or as a regular door.

To add as a menu command:

- edit cnet:bbsmenu
- add the following to the END of section 1;Everywhere commands  
remember: the curly brace "{" is actually CTRL-Q  
the x in the command below is an access group number; the minimum access required to use the command "IRC"

```
IRC `x | {cnet:doors/internet_support/cnetirc}
```

- 3) login and run your CNetIRC door.
- 4) Choose the appropriate CNetIRC main menu command. An explanation of the menu sections follows:

1. Terminal Preferences

these are the ANSI emulation options.

ANSI scrolling

uses ANSI scrolling sequences (works well with most terminals.

ANSI locking

for CNet LOCAL console only. This emulation requires a terminal that supports the ANSI locking code (ANSI 't') and most PC/Amiga terminals do not. CNet Amiga, however, does.

Simple ANSI

a simplified scrolling using minimal ANSI. this is the fastest display setting useful for busy channels.

2. Add/edit server

this is where users configure their "preset" channels. Users may specify a default channel to join for each and every configured IRC server.

some popular IRC servers/channels are:

SERVER:PORT	CHANNEL	DESCRIPTION
irc2.magic.ca:6667	#amiga	Amiga users unite
babylon.beyondirc.net:6667	#cnet	CNet sysops/CNet support
irc.primary.net:6667	#cnet	CNet sysops/CNet support
irc.texas.net:6667	#amiga	Amiga users unite
irc1.cerf.net:6667	#amiga	Amiga users unite

3. Delete server

use this option to delete a "preset" server that is not needed anymore.

4. Personal configuration

Select this option to change your "identity" in the channels you join. You may edit Real name and nickname here.

5. Quit

Select this option to Quit CNetIRC.

6. Sysop configuration

Various sysop configuration items. (not yet implemented)



- 5) To login to an IRC server, press ENTER at the main CNetIRC menu prompt.
3. identd added for internet user identification. This is required by many IRC servers as, if identd were not supported, each user would appear to look the same to the remote server. This can lead to many effects, some of which are entire domains being K-lined (removed from access to a server) and single user bans. The bottom line is, if you are going to allow your users to access IRC, make sure you have an identd server running. CNet's identd has been coded to allow multiple users to use CNetIRC on different ports without consequence.

To configure identd in your TCP stack configuration:

#### MIAMI USERS

-----

select, in your miami window, DATABASE and then choose INETD in the cycle button. Add the following entry to the list of inetd services:

```
Service : auth
Socket  : stream
Protocol: tcp
Wait    : nowait
User    : nobody
Server  : cnet:doors/internet_support/identd
```

#### AMITCP USERS

-----

edit/create the file amitcp:db/inetd.conf and add the following entry:

```
auth stream tcp nowait nobody cnet:doors/internet_support/identd
```

if an AUTH entry already exists, alter it so that it appears as noted above.

Note: identd does not have to be in the CNET: directory. You may put the identd server anywhere you like but be sure to alter the path in your TCP stack's database (the configuration lines above) to reflect the true path of the identd program.

4. Added bbstext lines 2292-2330.
5. Fixed the bug where CNet was reporting UUCP/Mail ID in use when the "used" mail id belonged to a killed user.
6. Fixed visual editor bug that caused a guru if the title header (eg. "On xxx, xxx wrote:") wrapped to two lines.
7. Added small header to ReadLog text, printed before the log is displayed. Change to bbstext line 2283.
8. Fixed bug where invalid fidonet mail address was being incorrectly interpreted and sent as internet email.
9. Nodelist searching (command: mail;nodelist) fixed for Traplist.library v5.2 and below. The newer traplist.library v5.4 NLEnumNode() function
-

is broken.

## 1.34 4.26b Changes

CHANGES/FIXES FOR V4.26b

CRITICAL NOTE FOR SYSOPS RUNNING 4.26a:

YOU MUST RUN THE 426B SHELL EXECUTABLE FOUND IN THE UPDATES  
DRAWER OF THIS UPDATE AFTER INSTALLATION!

IF YOU ARE RUNNING 4.25a/4.26 OR PREVIOUS:

**\*\* DO NOT \*\*** RUN THE 426B SHELL EXECUTABLE FOUND IN THE  
UPDATE DRAWER  
COPY or MOVE CNET:BBSCONFIG4 to CNET:CONFIGS/BBSCONFIG4  
COPY or RENAME SYSDATA:BBS.UDATA as SYSDATA:BBS.UDATA4

1. Mail ReplyTo preferences moved to mail:users/xxx/prefs/MAIL

Programmers wishing to read the user's ReplyTo preferences, must read this file; it is NOT kept in memory. The data is saved in ASCII format so AmigaDOS FGets() and ANSI fgets() (and other string-oriented file input functions) can be used to read the data effortlessly.

2. GETUSER shift experienced with v4.26a reverted back to v4.26 (CNet/3 compatible) state.
3. !BBSTEXT\_STOCK line 2122 inserted and one of the sets of curly brackets {} below line 2122 was removed.

## 1.35 4.26a Changes

CHANGES/FIXES FOR V4.26a

CRITICAL NOTE: YOU MUST RUN THE 426A SHELL EXECUTABLE FOUND IN THE UPDATES  
DRAWER OF THIS UPDATE AFTER INSTALLATION!

1. Version bumped to 4.26a because the CNET\_VERSION string for v4.25a was prematurely defined as "\$VER: CNet PRO 4.26".
  2. Users can now use [W]rite to edit file short descriptions without the sysop being forced to enable "Diz Edit before save".
  3. When a port cannot open the required device, The specified port in Control's display is no longer locked in its "Loading.." state.
  4. Changes to lines 2141-2142 and 2162-2163 of BBSTEXT for more verbose output of FILE\_ID.DIZ processing.
-

5. New configuration item in Config/Modems: Idle WHO User

This is the string that will be displayed in each port's "Name/Handle" area in the WHO display when no one is logged in to the port. If no string is set here, the text on BBSTEXT line 903 will be displayed as it was in previous CNet versions.

A good use of this field is to put the phone number for the port in it, or perhaps make note that the port is a telnet line or something along those lines.

To accomplish setting this field on local ports which could previously not have a "Modems" configuration, CNet will now allow you to create a "modem" with its DEVICE name left BLANK. If the device name is left blank, CNet assumes that the port is a LOCAL PORT.

eg. you can create a dummy port 0 in modems with no device name specified and set an "Idle WHO User" string of "Sysop Port 0".

6. Furthered completion of DIZ processor. Any text in a description that matches COMPLETELY the contents of any line in sysdata:DizStripText is removed from the short description.

eg. if a FILE\_ID.DIZ contained the following:

```
-----
A great new software release!
We have pirated it so often that no
one is PAYING for it! Therefore, we
are morons. ----- A KuElLe GrOuP!
-----
```

..and DizStripText contained the following lines to be stripped:

```
some line
another line
/*|-----|*\
----- A KuElLe GrOuP!
-
```

..the following would be the short description after stripping:

```
A great new software release!
We have pirated it so often that no
one is PAYING for it! Therefore, we
are morons.
```

7. Addition to line 2282 of BBSTEXT.

8. Added "Reformat DIZ" option to subboard EL in Diz Options. This setting, when enabled strips successive spaces, tabs and newlines to make the final stripped description look "prettier". It is really only of use if the "Use Strip Text" option is enabled. It CAN be used to clean up sloppy DIZ files though, if enabled.

eg. if the stripped DIZ looked as follows:

A great new software release!

We have pirated it so often that no

one is PAYING for it! Therefore, we  
are morons.

By enabling REFORMAT DIZ, it would clean up the description to  
look like the one below:

A great new software release!  
We have pirated it so often that no  
one is PAYING for it! Therefore, we  
are morons.

9. CNet now checks MailBoxClosed status before carbon copying message base posts/responses/echomail to users' mailboxes. If the mailbox is closed, the item is not sent to mail-task for carbon mailing.
10. IUUMail is no longer required for CNet/4. Mail-task now does the job that IUUMail previously assumed. It is all automatic, so no longer do you have to create cron events to get iuemail to run.

To enable mail-task to recognize and import new internet mail, you must set TWO CNet attributes in CNet/Config:

1. Config/Options: Be sure "Monitor Internet mail" is enabled.
2. Config/Paths: Be sure to put here the path to your user internet mail directory (eg. where your mail retrieval software creates the "username" files - usually UUMAIL:

This was made configurable for future expansion.

NOTE: Be sure the path that you put here exists. If it does not, mail-task will not create it for you and if it does not exist mail-task will ignore your "Monitor Internet mail" setting.

NOTE: iuemail will continue to be distributed with CNet for the next few maintenance upgrades, until we get initial reports of any bugs with mail-task importing of internet mail. Thereafter, IUUMAIL will be obsolete.

11. Another small internal bug with mail-task GUI and text containing tabs has been found and fixed. This should finally end any CPU contention caused by an endless loop.
  12. CNet will now create the user Web directory mail:users/<MailID>/Web, if enabled in Config/Options. To enable this, go to the Options editor
-

of CNet Config and enable "Create user WEB directory".

Mike Meyer, The author of Amiga Web Server (AWS), has released a beta version of cnetdir.library. For AWS to recognize CNet user web pages, this option MUST be enabled in Config/Options.

13. CNet no longer auto-scans for new mail in mail-read. While this was a nice idea, it caused too many problems and confusion for the user. The new user-friendly way to FORCE a rescan while in mailread is for the user to issue the command "RESCAN" if he/she sees that new mail is received while in mailread.

See the end of !bbsmenu\_stock section "7; Read Mail" for changes/additions.

Changes to lines 2160-2161 and 219 of !bbstext\_stock.

Changes to systext:menu/Mail-Read.

14. Fixed the "New" button in Config/Modems.
15. Minor fixes to Subboard VDE. Please run the "CNET:VDE" program in an AmigaDOS Shell.
16. IUUMAIL/Mail-task received extended parsing to support POP3 imported mail batches.
17. Fixed bug that caused port lockup if the username in MailSend (MS) was preceded only by a semi-colon. eg. "MS ;sysop"
18. News-task added. News-task is a background Usenet news posting daemon that is activated when a user posts or replies in an NNTP "usenet news" subboard. Please note that news-task only posts to an NNTP news server. If you do not know the NNTP server name of your ISP (Internet Service Provider), please contact your provider's technical support person to attain this information.

To activate news-task posting, you must run CNet Config and go to the Options editor and make sure that "News-task post" is enabled. You must also configure the NNTP news server name in CNet's Config/Defaults section under the item "NNTP news server".

If news-task posting is not enabled in CNet Config/Options, CNet will use "Postnews" as configured on line 2151 of BBSTEXT.

A description of line 2151 follows:

```
POSTNEWS <%s -f %s -r "%s"
```

where:

POSTNEWS - the name of the external command used to post news via UUCP or NNTP or whatever protocol/mechanism your system needs to use to post Usenet news.

If you use INetUtils, you can rename NNTPPost as PostNews and place it in your C: directory or any other path'ed

---

directory. if you do not do this, you must replace the POSTNEWS text with the full path and filename of the posting program (eg. UUCP:C/POSTNEWS) ←

It is understood, from the PostNews author's documentation, that NNTPPost uses the same command line arguments as PostNews so that NNTPPost can be used as a direct replacement for the UUCP PostNews command.

- <%s - is replaced by the text to be posted.
- f %s - specifies the username (eg. UUCP/Mail ID) that the user is known by on your system. The %s is replaced internally, by CNet, with the user's UUCP/Mail ID (eg. rakey) ←
- r "%s" - specifies the user's REAL NAME. The "%s" is replaced internally by the user's real name (eg. "Ray Akey")

19. Added "Reply-To" string/variable to each user account. When the 426a upgrade program is executed, this field is filled in automatically as the user's mail id (formerly UUCP ID) plus your systems domain name as configured in the main window of CNet's Config GUI. For example, a user residing on the system with an Inet Hostname of "tggh.net" and a user name of "rakey" would have a "reply-to" default of:

```
rakey@tggh.net
```

Your users may wish to change their Reply-To so that CNet uses their "usual" email address. For example, I would change my Reply-To address on tggh.net from:

```
rakey@tggh.net
```

to my real email address:

```
rakey@netrover.com
```

The user edits his Reply-To in the new MAIL PREFERENCES editor by using the command "MAIL;PREFS" at any CNet prompt.

The user's Reply-To information is currently only used when "news-task post" is enabled and when outgoing posts/responses are made in NNTP (Usenet) subboard(s).

When SMTP/SMTPd is integrated into CNet Amiga, this field will also be used in outgoing internet email.

20. Getuser offset type 4 added for direct access to MainPort->MPE. See the included control.h for information and variables contained in struct MainPortExtension.
21. Added BBSTEXT lines 2283-2291 for mail preferences support/expansion.
22. Added text file systext:new/replyto

## 1.36 4.25a Changes

### CHANGES/FIXES FOR V4.25a

1. Mail-task AppIcon problems fixed. Config no longer locks mail-task in iconified state.
  2. Mail-task menufy problems fixed. Config no longer forces mail-task to create an AppIcon if mail-task is not already iconified.
  3. Changes to lines 1646-1647 of BBSTEXT.
  4. SubDirName/GO keyword dupe checking now performed when adding a new list object (AL).
  5. Repair\_Sub was crashing and writing invalid filenotes/short descriptions. Should be fixed now.
  6. ReadLog (RL) now shows all available logs if no argument is given. BBSTEXT lines 2273-2278 added. Menu systext:menu/log-read added.
  7. CNet now tries 3 times to send a file to file-task for test/txform. If it fails the first time, it will try twice more before processing in the foreground. file-task may not be ready for a TE/TR request if it is currently scanning newly queued requests.
  8. Fixed a bug in file-task that caused some items to be tested/transformed immediately instead of in the background.
  9. Fixed ARexx SAVESCRATCH command which was not saving account/user changes properly.
  10. Change to bbstext line 521.
  11. Fixed bug that caused MailRead to clear the list of mail items if the user was already in mail and used the MR command again.
  12. Each subboard now has a "Where/Doing" string that allows the sysop/subop to set what is shown in the "Where" field in Control and WHO displays. The maximum length of this string is 16 characters.  
(programmers: see SubboardType4.SubDoing)  
  
Note: Be careful using "EL 1-" and setting the "Where/Doing" string as it is possible to clear this setting for all subboards object types on the current list. This may be desirable in some cases so it is not ghosted in the "EL x-x1" VDE scenario.
  13. Small mail-task bug fixed which caused AreaFix messages to be bounced back to their origin even though a successful AreaFix request was processed and sent to the requesting system.
  14. Re-implemented capability of using EL within subboards. Currently, EL may be used only in message/file/subdirectory subboard (object) types.
  15. ML (Move List) can now be used to move a subboard object ANYWHERE in your Base. ML can still be used as before, if two list numbers are supplied,
-

to swap two subboard on the current list. However, if only one subboard number (on the current list) is passed (eg. ML12), you will be lead through the list of subboards and can choose an appropriate place to insert the subboard object. This applies to all subboard object types. whether a subdirectory or regular base (eg. file, message, door, executable) subboard.

Changes to line 1780 of BBSTEXT.

## 1.37 4.25 Changes

### CHANGES/FIXES FOR V4.25

1. MailSend has received extended handling of closed mailboxes. If a user's mailbox is closed and he tries to send mail, he/she is led through a series of prompts which accomplish any one of the following options, in the order listed:
  - Abort the MailSend
  - Set a forwarding account to receive his/her mail.
  - Open his/her mailbox.
2. Repair\_Mail (RRM) can be used by users to repair the mail in their own mail folder(s) only.
3. More mail-task fixes to prevent lock ups.
4. NNTP/DIZ VDE options are now properly ghosted for non-message/file subboard objects.
5. Access slider in Config/accounting fixed to properly update the Access level and Charge/units/value list.
6. Yank-task fixed so it cannot be ran again if already running.
7. OLMs that cannot be saved (ie. if user logs off before OLM could be sent) now return a prompt asking the sending user if he/she would like to save the OLM to the recipient's mailbox.

This is only done for SINGLE recipient OLMs. This feature does not apply to \*BROADCAST\* OLMs.

8. SPECIAL NEW FUNCTIONS FOR CODERS!

```
BYTE InputSignalInit(char *portname);
void InputSignalDispose( void );
```

Valuable new support for CNetC doors to receive exec Messages when user keyboard input is available.

One area where CNet has been lacking in the past is for CNetC doors to be able to use Wait() and/or WaitSelect() to wait for signals from exec and TCP/IP sockets and other exec message layers. In the past, door coders have had to rely on a system of "timeouts" where user input is checked after the timeout or "service timer" has expired. This is very inefficent, thus the InputSignalInit() / InputSignalDispose() pair are



born.

With this method of "notifying" CNet that a MsgPort exists, both regular CNetC doors and CNetC door using their own MsgPorts can get the quickest response from user input events.

The following steps should be taken before calling InputSignalInit():

1. Create a public MsgPort that CNet will signal when user keyboard input is queued.

```

struct MsgPort ioport; // this should be a GLOBAL variable

// port initialization code..
ioport.mp_Node.ln_Name = "MyPortName";
ioport.mp_Node.ln_Pri = 0;
ioport.mp_Node.ln_Type = NT_MSGPORT;
ioport.mp_Flags = PA_SIGNAL;
ioport.mp_SigTask = FindTask(NULL);
if( (ioport.mp_SigBit = AllocSignal( -1 )) < 0 )
{
    // port could not be created - DO NOT call InputSignalInit()
    // you may want to exit (as done below) when port creation
    // fails.
    GetOut();
}
AddPort( (struct MsgPort *)&ioport );

```

2. If the port was created successfully, call InputSignalInit() as follows:

```

InputSignalInit(ioport.mp_Node.ln_Name); // the same portname
// used above

```

3. Wait for signals from CNet and other exec message layers as follows:

```

unsigned long signals=0; // declare signal mask that Wait() returns ←
.
// this variable can be global but should be
// local for improved efficiency and debugging.

// The following should be part of your exec message
// handling code..
signals = Wait(1L << myport.mp_SigBit); // wait for an exec signal

if(signals & (1L << myport.mp_SigBit)) // is this a signal from ←
CNet to our ioport?
{
    struct CMessage *BBSMessage;

    // Get waiting message.
    while(BBSMessage = (struct CMessage *)GetMsg(myport))
    {
        // is it the proper message for a CNet user input event?
        if(BBSMessage->command == CN_USERINPUT)
        {

```

```

        // char key;

        // CNet generated keyboard event
        // you should now get keyboard
        // input from user, using
        // key=OneKey();

        // OR

        // CNet's EnterLine() function.
    }
    ReplyMsg((struct Message *)BBSMessage);
}
}

```

4. Before your door exits, call the function `InputSignalDispose()` as follows:

```
InputSignalDispose();
```

this function cleans up the internal port used for communication with your door. IF IT IS NOT CALLED, YOU MAY LOCK UP CNET PORTS. It is SAFE to call `InputSignalDispose()` even if `InputSignalInit()` is not called or fails.

See `CNetDoorInput.c` for a complete (but simple) example of waiting for keyboard input using this new method. The above code is NOT tested so compile errors may be present. The above examples are for illustration purposes only.

Look in the SDK `example_source` directory for a sample program which uses `Wait()` within a CNet door.

9. "MS <notexistant\_user>!" no longer goes into an endless loop.
  10. Subboard-object-type now checked before yank-task attempts to "lock" the path.
  11. Updated and expanded commenting in `empty.c`.
  12. Added double-click capability to the main list of configurable options. You can now double-click on Accounting, Archivers, etc, rather than clicking and then hitting "edit".
  13. Finally, a way to turn off file-task OLMs/mail in Config/Options. The only messages you can turn off are the "ok" notifications. If you disable this option, the user will only receive OLMs/mail if there was a problem with test or transform.
  14. File TEst buffers extended to 255 characters per line. Tests with output lines that wrap due to long path/file names are no longer a problem.
  15. New license required for CNet. Contact ZenMetal for your new license.
  16. File-task is now passed the physical subboard number to reduce the chance of possible error in finding the file to be tested/transformed.
-

## 1.38 4.24h Changes

### CHANGES/FIXES FOR V4.24h

1. Fixed shifted GETUSER values back to pre-v4.24g state. Old doors will now work without changes to GETUSER values.
2. Completed AppIcon and AppMenu support for mail-task.
3. Mailboxes now default to open for NEWUSERS. You may have to use "EAl-" and change your current users' "Mailbox Open" VDE setting to YES.

## 1.39 4.24g Changes

### CHANGES/FIXES FOR V4.24g

NOTE: CNET:BBSPORT#? files altered and moved to CNET:CONFIGS/BBSPORT#?  
You CANNOT simply move the files. You MUST run the upgrade program "424g" from any AmigaDOS Shell before running this version of CNet Amiga!

Be sure to also install the newer libraries before running this upgrade executable.

The upgrade executable can be found in the "UPDATES" drawer of this CNet maintenance release.

1. Mailscan at login now only looks in INBOX to speed up the login process.
2. Fixed the lost/hidden mail bug.
3. Mail sorting options implemented in Edit preferences (EP). Two new systexts were added:

```
systext:new/maillort
systext:help/maillort
```

The available options are:

```
Newest last
Newest first
Handle/name
Subject
```

Please see the maillort HELP text for more information about these options.

Added bbstext lines 2250-2256.

4. Mail is now bounced if the recipient's mailbox is closed.

ONE case overrides this action. If the sender and recipient have the

---

same account number (eg. mail to self), then the mail CANNOT be bounced and therefore is saved to the user's inbox.

5. Checking of selected file(s). If selection is not found (eg. moved or deleted) when SS or DS command is used, the user is informed of this.

Change in bbstext line 381 to implement the extended verbosity.

6. Subboard sorting via "EL/Other Flags/Item sort" and the OR command should now be working 100%.
7. Various changes to the Config GUI to fix improperly offset checkbox gadgets in Protocols and Archivers windows.
8. Repair\_Sub now BLANKS the Title and SubDirName (aka GO ARG) of subboards that are killed as it repairs your subboard structure.
9. KL command now BLANKS the Title and SubDirName (aka GO ARG) of subboards that are killed.
10. Added three new CallHost()'s to empty.c:

```
WriteUKeys() - write the Cnet myp->Key structure to disk.
              See empty.c for a description of this function.
prototype    - void WriteUKeys( void )
returns     - none
example:    - WriteUKeys();
```

```
-----
DoANSI()     - Send ANSI codes to the CNet port and remote user.
prototype:   - void DoANSI(UBYTE n, UBYTE a, UBYTE b)
              n=the type of ANSI code to be sent. eg. 'H'
              a=the first argument to the ANSI sequence
              b=the second argument to the ANSI sequence.
returns:    - none
example:    - DoANSI('H', 1, 4);
              the above call would use the ANSI cursor position
              code to position the cursor at line 1, column 4.
```

```
-----
DoANSIOut() - Send single ANSI control code to the CNet port and remote.
prototype:   - void DoANSIOut(UBYTE n, UBYTE a, UBYTE b)
              n=the type of ANSI code to be sent. eg. 'K'
returns:    - none
example:    - DoANSIOut('K');
              the above call would use the ANSI end-of-line
              delete code to delete the current line including
              the character under the cursor.
```

11. Added feedback/newuser mail check at login for users with sysop maint. Changes to bbstext lines 225-228 and new lines 2257-2260.
12. Return-receipt mail fixed.
13. Fixed a memory leak in mail-task that caused partial mail messages to be displayed in mail-task GUI.
14. Device field in Config/Modems extended from 21 characters max to a maximum of 40 characters to support longer device names such as

squirrelserial.device.

15. (repeat of the note at the top of this changes section)  
 CNET:BBSPORT#? files changed and moved to CNET:CONFIGS/BBSPORT#?  
 You CAN NOT simply move the files. You MUST run the upgrade program  
 "424g" from any AmigaDOS Shell before running this version of CNet Amiga!

The upgrade executable can be found in the "UPDATES" drawer of this CNet maintenance release.

## 1.40 4.24f Changes

### CHANGES/FIXES FOR V4.24f

1. NOGMT arg added to NNTPGet to prevent NNTPGet from using the GMT keyword with servers that may not support it.  
  
 eg. NNTPGet NEW NOGMT
2. Internet email addresses with a numeric digit in them are no longer treated as an invalid address.
3. Local echo support added to cTelNet. Use "mode ECHO" within cTelNet to toggle local echo on/off.
4. A completely re-written Configuration editor (Config) and GUIs. Multiple windows can be open in the same instant. Many windows are now sizable and font adaptive. ARexx control will be added to Config in the future. The new Config has been written in a way to allow easy future expansion of CNet configuratio items.
5. Fixed yank-task bug that caused no messages to be yanked.
6. Fixed REXXLoadEditor bug.

## 1.41 4.24e (First ZenMetal Commercial Release) Changes

### CHANGES/FIXES FOR V4.24e

1. CopySelf mail no longer generates two copies in SENTMAIL.
  2. Moving files around in BaseX: partitions is now smarter. The "Move to which partition?" prompt now defaults to the base partition with the most free bytes.
  3. Duplicate/identical GO keywords are now filtered out for GO arg display when "GO <non-existent go key>" is used.
  4. Related to number (3) above, the subboard number for the "List, :, /, or Subboard#:" prompt default to the current sub. That is, the one you are moving files in. Fixes (3) and (4) allow for easier cross-partition file relocation in the same subboard.
-

5. Door/list type subboards now fixed. Sysop maint users can see ALL items. Regular users see a list only of items they can access in a sequentially numbered list, with no "skips" in between numbering.
6. Transpose is now a BBSMENU command in "1; Maintenance Menu" and also now accepts two arguments, a user account number and an access group number to do auto-transpose.

eg. TRANSpOse 1 31

The above would assign account number 1 to access group 31.

With auto-transpose, the only "priviledge flag" not lost is the "SuperUser" flag. All other flags, limits and priviledges are set to the newly assigned access group defaults.

If no arguments are specified, then the normal transpose is initiated.

NOTE: both arguments must be specified and MUST be numeric. No handle/name parsing is performed for auto-transpose.

7. Mail-task GUI no longer flashes uncontrollably when minimized.
8. Menu added to mail-task window to allow quitting of mail-task using Mail-Task/Quit menu.
9. Mail-task menu added to allow selection of a custom font for mail-task's GUI display.
10. Change in BBSTEXT line 802. (see !bbstext\_stock)
11. Added snapshot window position to mail-task menu.
12. Fixed "Originally to:" line in FOrward Mail.
13. System OLMs from mail-task now use the user's time form (eg. AM/PM or 24 hour) for OLM sending on receipt of new mail. Changes in bbstext lines 193, 200, 2136, 2137, 2152,
14. User logon/logoff broadcast OLMs now use the user's time form also. Changes in BBSTEXT lines 83 and 153.
15. User logon/logoff broadcast OLMs are now NOT sent to the port belonging to the user logging off.

## 1.42 4.24d (beta - all v4.x sysop release) Changes

### CHANGES/FIXES FOR V4.24d

NOTE: v4.24(b-c) were versions tested by a limited "pre-beta" group on the internet. The changes for those are included in both the (a) and (d) sections of this guide.

1. Added text/menu reload from remote (RT) to maintenance section of BBSMENU
-

Changes in BBSTEXT lines 1762-1764.

- GUI display added to mail-task. Arguments to mail-task are as follows:

I=ICONIFY/S,N=NOGUI/S

I/ICONIFY = tell mail-task to run with it's GUI in "menufied" mode. That is, the "tools" menu of Workbench will have a file-task menu and, when activated, mail-task will open it's GUI. (may not yet be implemented)

N/NOGUI = Tell mail task not to use a GUI interface. All text to be output will be sent to the current output stream (ie. the current CLI/Shell). (may not yet be implemented)

There are 6 items of information displayed:

TOTAL: this is the number of total mails processed since mail-task was started.

BOUNCED: the number of mails that were bounced back to the sender for various reasons, detailed in the return report. In future, the bounced mail report will also be "carboned" to the sysop so that he/she is aware of any problems that might be immediately repairable.

LOCAL: the number of mails saved to local users since mail-task has been running.

NET: the number of combined netmail and internet email sent since mail-task has been running.

STATUS: the current status of mail-task, whether idle, or processing.

There is also a buffer window/listview to allow the sysop to scroll back and view the activities carried out by mail-task.

BUTTONS:

RESET DISPLAY Clears the buffer window and all mail-task mail counters.

MENUFY (may not yet be implemented) allows you to (iconify) the GUI a "Menufied" state.

Quit closes down mail-task. Please note that your system will not process any mail if mail-task is not running!

CLOSE WINDOW (may not be implemented yet) allows you to iconify the mail-task GUI to an AppIcon state.

- MailForward fixed and now does not let the user edit an item as it is forwarded.
- Added ARexx command "reloadtext" to CNet Arexx ports CNETREXXp to allow Rexx scripts to force Control to reload bbstext/menu/charges, where "p" is the portnumber.

5. Various fixes to ARexx commands that were holding a lock on files. (ie. REXXLoadEditor, REXXSaveEditor, REXXCallEditor, etc.,)
6. New cnetgui.library added. This library will expand to contain the functions necessary to create the CNet graphical user interfaces. Currently, as of v4.24d, this library contains only the function CNGTextWidth() which, given a string and a TextAttr structure, returns the width of the text string in pixels. See cnetgui\_pragmas.h and cnetgui.h for the function prototype(s).

## 1.43 4.24a (beta - all v4.x sysop release) Changes

### CHANGES/FIXES FOR V4.24a

NOTE: It is unclear to some so please note that both NNTPGet and CtelNet have been tested and work fine with the two most often used Amiga TCP/IP stacks, Miami and AmiTCP. Some sysops assumed that these clients would only work with AmiTCP. This is not so. They work with any TCP/IP stack that creates a "bsdsocket.library". Note also that bsdsocket.library is not a physical library. That is, it does NOT exist on your hard disk. It is a logical library that is created by your TCP stack.

ALSO: If you have already added pre-defined hosts to CtelNet (ie. using "AH"), you must run the update program called CTNCONVERT1 which is located in the UPDATE drawer of this distribution.

1. Added some loggable lines from NNTPGet to BBSTEXT lines 2231-2236 so that sysops may customize MCI/ANSI colors in output/logs..
2. Added KillHost (KH) to CtelNet - change in line 2221 of BBSTEXT. Also run the CTLConvert1 program found in the internet\_support directory of DOORS. CtelNet1 is a DOS executable that is ran from any CLI/Shell.
3. Added expansion lines 2222-2230 to bbstext.
4. Added some lines of NNTPGet to bbstext lines 2231-2236.
5. Line 2237 of bbstext contains the path/filename that the list of active newsgroups are saved to when you use the GETACTIVE switch of NNTPGet. Change this path/filename to change the location that the active newsgroup list is saved to. (default = UUNews:ACTIVE)
5. RUN command prompt extended to allow a command length of 60 characters.
6. Control now requires that **\*\*AT LEAST\*\*** CNET:BBSTEXT and CNET:BBSMENU exist. If either do not exist, control does not run.
7. Line 2238 added to bbstext to allow users with sysop maint to override return-receipt mail. NOTE that due to the way that mail is handled in CNet/4, it is not possible to make this option a "command" as it was in CNet/3. If a user has asked for a return-receipt, you will be prompted whether to override the return-receipt via a yes/no "override



return-receipt," prompt. This also allow allows sysops to enable ALWAYS override without prompt by replacing bbstext line 2238 with the following text/MCI:

```
?n1User has requested a return-receipt - auto-override enabled.?=1}
```

8. NNTPGet code altered so that it will run without a TCP/IP stack running but will notify/log that no stack is running and then exit. This change was made to prevent NNTPGet from displaying a system requester stating that "AmiTCP vx.xx must be started first."
9. Fixed arg parsing for "everywhere commands" in CtelNet.
10. Added MODE command to CtelNet to allow instant mode switching. To support this command, BBSMENU received another new section (41). Please see !bbsmenu\_stock and add this required menu to your modified/current bbsmenu.

Supported modes are listed in systext:menu/ctelnet\_modes and the menu is available at the mode prompt if "?" is entered. The user can switch modes as follows:

```
Telnet> MODE
Enter MODE command (? for help): Bin
Negotiating binary mode with remote host.
```

(OR)

```
Telnet> MODE Bin
Negotiating binary mode with remote host.
```

11. NNTPGet modified to notify/log why a NNTP subboard was skipped during news transfer. (ie. SUSPENDED status set, etc,..)
  12. Predefined hosts are now alphabetized as they are added to CtelNet and are displayed in alpha order as well.
  13. Changes in BBSTEXT lines 753, 1144, 1145, 1174, 1198 and 1199 to correct improper network terminology. "UUCP" id is now termed "MAIL-ID".
  14. Change bbstext line 1672 from "UUCP" to "Usenet News" for proper display of the old "UUCP" network affiliation in EL.
  15. Control display fixed to show the previously known "feedback" as "Sysop/FB" (ie. feedback and msgs-to-sysop are counted as "Sysop/FB mail". The "mail" display of control also changed to appropriately specify "#1 mail".
  16. Invalid GO argument operation changed. If a user enters a non-existent GO arg, the current go arguments will be parsed and any that partially match the user's entered GO argument will be displayed in alphabetic order. The user can then choose one of those, enter a NEW GO arg or press enter to continue where they were before entering the GO command.
  17. Single byte getuser shift fixed.
-

## 1.44 4.24 (beta - all v4.x sysop release) Changes

### CHANGES/FIXES FOR V4.24

NOTE: Since the inception of CNet/4, a change was made to log IDs, which Ken pletzer did not make us (sysops & ZenMetal alike) aware of. Log IDs above 407 were no longer used. Log ID 408 was previously the ReadGFile log ID. No longer, ReadGFile was grouped into log ID 405 (ReadText). Shortly after we (ZenMetal) acquired CNet Amiga, I added an "Execute" log to CNet which was given the previously unused log ID of 408. This execute log will contain information about any DOS activity which is performed by the AmigaDOS command executor (for developers, the Execute() function). This is the reason your old ReadGFile log contains what would seem to be extraneous information. So, please change log ID 408 to "Execute" and note that log ID 405 is used for GFile/Text reads.

1. 3.X\_to\_4.X was not resetting the "magic" value for mail when converting.
2. "Short Description" lines text was being partially rendered into the left hand border of the Config window in Limits.
3. MailVerify was still sending receipts (RPT:) when items were viewed.
4. Invalid characters ("?#/\" etc.) were being allowed for handle/real name.
5. Version strings are now updated for bugfixed executables and partial releases.
6. Mail is now sorted so that new mail is at the TOP of the list during mailread.
7. First version of the CNetC Telnet client "CtelNet". Requires additions to BBSTEXT lines 2196-

CtelNet may be added to BBSMENU (as is shown in !bbsmenu\_stock) and may also be added to text/door lists and others.

Remember that CtelNet is a CNETC door. You must use MCI door type 2 (ie. {#4cnet:doors/internet\_support/ctelnet}) or choose CNetC door type when adding as an online door.

Text/Doors: You may specify two args here. HOSTNAME/IP and/or PORT

```
ie. title: Telnet to The Gnomes Guest House
    filename: cnet:doors/internet_support/ctelnet
    args: gnomes.org 23
```

when the user entered the number for this door item, he/she would telnet to gnomes.org (The Gnomes Guest House).

note that the port number is OPTIONAL even if a host is specified. CtelNet uses port 23 as default telnet port.

BBSMENU: Args may also be specified here (everywhere command section

---

example shown).

```
ie. TVRB      |{|#2cnet:doors/internet_support/ctelnet vrb.com 23}
```

if the user entered TVRB at any CNet prompt, he would telnet to vrb.com (Virtual Reality BBS).

note that the port number is OPTIONAL even if a host is specified. CtelNet uses port 23 as default telnet port so if you are required to use a port number other than 23, you MUST specify the required telnet host port number.

"RUN" command:

You may run CtelNet from the CNet RUN command. You can use any of the following commands..

```
run;cnet:doors/internet_support/ctelnet
run;cnet:doors/internet_support/ctelnet HOSTNAME
run;cnet:doors/internet_support/ctelnet HOSTNAME PORT
```

Once ctelnet is running (a TCP/IP stack must be running), use "?" to get a menu of the available options/commands.

Here are the menu commands in a short summary, as seen in the systext:menu/ctelnet file:

Quit	Close current connection if connected, and exit telnet
Open	Connect to a remote site
List	List of popular/pre-configured telnet sites
Close/Bye	Close site currently connected to
STATus	Current status of telnet environment
Display	display operating parameters
?	This menu file

Other BBS Commands such as WHO, CHAT, FEEDBACK, MAIL etc, are also ← available.

#### MAINTENANCE COMMANDS

AH	Add a new host to the telnet host list
EH	Edit a currently existing host
NT	Set/enable NetTrace file for debug output

- Users who did not have access could see the titles of items within "List" type subboards.
- New PortData extension (z->PDE) added to prevent GETUSER values in PortData/MainPort from shifting as new variables/structures are added. ← This new structure will be mainly used for internet features/structures but may also be of use for other new/internal BBS features. MainPort may get a similar extension at a later date. Some minor getuser shifting MAY be apparent in this release.

Note that to access this new extension, the FIRST getuser digit must be "3".

- ie. 1=PortData (struct PortData in ports.h)
- 2=MainPort (struct MainPort in ports.h)
- 3=PortData extension (struct PortDataExtension in ports.h)

The first feature to benefit from this new data structure is the newly completed CNetC telnet client.. Please see ports.h and telnet.h for more info.

## 1.45 4.23 (beta - all v4.x sysop release) Changes

### CHANGES/FIXES FOR V4.23

I have been notified that the "Interface Type" Setting may appear to have a bug but it really does not. When a user first uses EP to set the interface type, a garbage value may exist in that variable and some invalid text may appear in that setting. Once the user sets, his interface type this garbage will not appear again. Please have your users (even the ones who like the "new way" of CNet/4) set their Interface Type to clear any garbage that may exist in this variable.

1. NEW MESSAGE pointers are now being saved properly (fixed bbs executable previously released seperately).
  2. Return receipt mail now does not return a receipt when in VERIFY mode.
  3. Fixed cnfingerd bug where if "skip idle ports on WHO display" was selected, cnfingerd did not exit and used excessive CPU cycles.
  4. Fixed FILE\_ID.DIZ bug that caused previous description to be imported on other files/items that do not contain a FILE\_ID.DIZ.
  5. Fixed SUPERUSER display in WHO, both in CNet and cnfingerd.
  6. Fixed various \_plan, \_plan\_sq and \_select3 saving to incorrect location.
  7. File SHORT descriptions are now stripped of trailing newlines before saving (no more blank lines between items during browse/scan).
  8. Optimized mail-task saving of new mails to reduce "MailCheck" wait at login and speed up mail header initialization of saved mail items during Mail Read. (sorting planned for next release)
  9. First incarnation of REPAIR\_MAIL, a utility similar to REPAIR\_SUB but this one repairs user mailboxes. This utility is to be ran during maint hours, or any time you (the Sysop) wish, that recovers mail from corrupted mailboxes/folders and packs mailfiles to reduce user wait-time during mail header initialization. ie. during MailRead and "Scanning for new/old mail at login." New command "RRM" added to the end of stock BBSMENU section "1; Maintenance Commands."
  10. When sending feedback, users are no longer allowed to set mail flags (ie. Freq, Copyself, etc..) just before entering the editor.
-

11. NNTP Options screen added to subboard VDE to allow configuration of NNTP variables.
12. NNTP Subboard Type setting added to NNTP options in subboard VDE. Don't forget to run the executable "VDE" in any CLI/Shell to update your system VDE files. Current settings for NNTP Type are:

SUSPEND: Causes NNTPGet to skip the subboard and not scan or import new news from your NNTP host.

FULL IMPORT: NNTPGet imports article headers and message body to your system.

Future Types: Connect for Body, Connect for Header/Body and Mailing-List. More on these types when they are implemented.

12. NNTP Max Dupes setting added to NNTP options in subboard VDE. NNTP Max Dupes is the number of NNTP IDs to buffer for NNTP duplicate message checking. If you set this value to 200 dupes, then 200 IDs will be buffered. IDs may be up to 256 characters in length so please use a reasonable value for Max Dupes. Only one dupetable will be loaded at any instant so you don't have to worry about each dupetable taking up RAM. A simple calculation:

$$\text{MAX RAM FOR DUPETABLE} = 256 * \text{MAXDUPES}$$

Therefore, if you set 200 as a value for maxdupes, 51200 bytes (51.2k) of memory MAXIMUM will be used WHILE IMPORTING NNTP messages, if the dupetable is full. The buffered IDs are variable length so the dupetable may vary smaller in size but they will not exceed the guidelines set out in the MAX RAM calculation given above.

12. Enforcer hit removed from NNTPGet startup.
  13. Changes to BBSText lines 2191-2195 for NNTP VDE support. Curly braces {} on lines 2193-2195 are required for future expansion of NNTP Type.
  14. Carrier check added to "TO:" and "CC:" prompt of mailsend.
  15. Feedback at login no longer allows a return receipt to be requested.
  16. CNet/3 to CNet/4 all-in-one conversion program completed. Users upgrading from CNet/3 (3.05c or higher) only have to run ONE executable to upgrade to CNet v4.22.
  17. Completed CNet Install script (initially for CNet/3 by Bob Maple with previous changes by Jim Selleck) to be used with CNet/4. The script should work for update versions also..
  18. Edit Mail now saves changes.
  19. Mail Forward Alias re-implemented. A single mail alias of "+" allows your incoming mail to be CARBON COPIED to another user or network address. Note that you are currently allowed only one mail forward alias. If you specify more than one, the first instance will be used. This will change later to allow multiple mail forward aliases.
-

## Mail Forward Alias Examples

ALIAS	NAME	ADDRESS
+	Ray Akey	@1:246/74

...the above alias will cause your received mail to be also sent to "Ray Akey@1:246/74"

ALIAS	NAME	ADDRESS
+	rakey	@netrover.com

...the above alias will cause your received mail to be also sent to "rakey@netrover.com"

ALIAS	NAME	ADDRESS
+	125	

...the above alias will cause your received mail to be also sent to the local user with account number 125.

20. File/Byte credits are no longer added or subtracted if a user has unlimited file/byte credits privileges. (set unlimited setting in Edit Account "PRIVILEDGES" VDE).
21. READ MESS TO Handle/Name fixed to include searching in network messages.
22. PowerQuote feature of mail quoting does not munge message anymore.
23. mail alias bbstext change in line 2139.
24. A yank-task bug that arose first in Perspective's CNet v4.0, which caused some or all subboards to NOT be yanked was found and fixed (thanks to Neil Palumbo for sitting on a dial-in port until 5am with me to hash the problem over. :). This bug may or may not have fixed the problem some sysops are having with yank CRASHING. Please let me know if this does or does not remedy yank crashing problems.

Also, to aid in future yank-task debugging/inspection, yank-task is now capable of being executed in a CLI/Shell and displays verbose information about the current yank job. If you find yank is giving you a problem, "break" the currently running yank-task from any CLI/Shell and then run yank in a CLI/shell and observe/report it's output.

ie. yank-task

for extended verbosity, use:

yank-task 1

3rd party door coders: DO NOT assume that physical subboard 0 is the ROOT (ie. main) subboard parent. To find the root subboard Scan the subboard list by accessing myp->Subboard[x]. The root subboard/object

is designated by bit 64 of the Marker variable being SET. ie:

```

if(myp->Subboard[x].Marker & 64)
{
/* first subboard in root/main list found */
printf("Found first object in main list: %s\n", myp->Subboard[x].Title ←
);
}

```

25. cnfingerd was not creating directory systext:cnfingerd if it did not exist.

26. File-task crashing problem should be fixed now.

## 1.46 4.22 (beta - all v4.x sysop release) Changes

### CHANGES/FIXES FOR V4.22

NOTE: You **\*\* MUST RUN UUCPREPAIR \*\*** before using this version of CNet Amiga. Most people having problems with mail receipt is due to the UUCP ID being one character too long and UUCPRepair has been designed to trap and repair this case. You, the sysop, will be prompted to verify the new UUCP ID to be used. Many users may not have this problem but those with long names (last names) will most certainly be affected. You can either run UUCPRepair before installing this version or you may run it after installation, as long as it is ran ASAP. UUCPRepair can be used at any time and will not cause any problems if ran more than once. In fact, we recommend that it be used MONTHLY to check and repair any invalid UUCP IDs.

Coders: There exists a small mismatch in the headers for NewMailFolder (in mail.h) and KeyElement4 (in users.h) where the lengths are 10 and 11 respectively. Please assume a length of **\*\*10\*\*** for NewMailFolder.OwnerID and UserData.UUCP where the actual UUCP ID is 9 bytes in length terminated with a single NULL (\0) byte.

1. vde files are no longer included in the CNet distributions. From now on, you must use the AmigaDOS executable called "VDE" to create your system VDE files.

Simply enter the command CNET:VDE in any CLI/Shell to have your VDE files created. Make sure you first copy the "VDE" command from this distribution archive to your CNET: directory!

2. Fixed bug in ranges using MESS BY "<name or handle>" where only messages written by LOCAL users were recognized even if network messages contained a user named <name or handle>.
3. Arj fingerprint in Toss changed to 60 ea 2c 00 1e as the old fingerprint wasn't recognizing all arj archives.
4. ARexx SETMAILSUBJECT is once again working.

5. The user subboard/message Interface is now configurable between the old 3.x style and new 4.x style in Edit Preferences (EP).

If CNet/3 type is chosen, CNet acts like 3.x in that entering a number X while in a subboard causes the user to be placed in subboard X in the current tree/level. Users must use Rx (where x is an item number) to read a post/item.

if CNet/4 type is chosen, CNet uses the new format in that by entering a number X, CNet will display to the user item X in the current subboard. Users will be required to use /x (where x is a subboard number in the current subboard tree/level) to move to a new/different subboard.

To add this capability, changes have also been made to BBSTEXT lines 1173, 1175, 1184, 1187-1189, 1192 and 1202. No BBSMENU changes are required. See the included !bbstext\_stock for an example of the new/changed lines. The file systext:new/interface is a file containing an explanation of this feature of CNet.

NOTE: If the file SYSTEXT:NEW/INTERFACE does not exist, the user will not be asked for an interface preference and your system will not sport a 3.x emulation mode. All users will be forced to use the 4.x style message/subboard interface.

6. Fixed "Reply to <handle/name>?" in netmail carbon copied from the base.
7. Added "PowerQuote" to mail quoting. If a user selects "QUOTE=YES" in the mail flags just before entering the editor to reply to a mail item, PowerQuoting is used.

CNet's PowerQuoting features a "smart" quoting system which will NOT prepend XX> to already quoted lines. Therefore, you don't end up with a bunch of XX> XX> XX> or XX>XX>XX> text filling up the editor. Only previously unquoted lines will receive the "quote specifiers" which are made up of either the first two letters of a user's name/handle or the first initial of the user's first and last name in his handle or real name.

PowerQuoting does word wrapping before adding the "quote specifiers" therefore reducing text fragmentation.

PowerQuoting will also be added to CNet's regular Line/VisEd quoting (.Q and CTRL-X Q respectively) at a later date.

8. "Superuser" flag was not being shown properly in the WHO display.
9. A finger daemon is now included with CNet Amiga. To use this finger daemon, you must configure your inetd to spawn the CNet finger daemon. We have not yet looked at Miami but for AmiTCP, you need only do the following:

- edit amitcp:db/inetd.conf
- Delete the current "finger" line from that file.
- replace it with the following finger daemon command:

```
finger    stream tcp dos bin - CNet:cnfingerd
```



If you don't keep your internet doors/support files in CNET:, please remember to change the "CNET:" path, in the cnfingerd command above, to the proper path where your cnfingerd resides.

Miami and other TCP/IP stack users, please consult the related documentation, for the software you are using to connect to your ISP, for the proper inetd configuration details.

10. BBSTEXT changes: lines 2166-2189 added
11. Bug where CNet "lost" a user when his access was changed due to low balance fixed.

## 1.47 4.21 (beta - all v4.x sysop release) Changes

### CHANGES/FIXES FOR V4.21

\*\*\*\*\* You must run the maintenance upgrade program "421" in any DOS CLI/Shell. This must be done with CNet completely shut down! 421 is a fix to upgrade some mail header variables which needed expansion when the subboard structures were changes but didn't get this attention at that time. (3rd party coders: the "UniqueBase" variable of MailHeader4 has changed from 21 bytes to 75 bytes in length)

1. New CNetC door "UUCPRepair" for checking if any UUCP IDs are out of spec. When ran as a CNetC Door, will scan your users' UUCP IDs and generate error information about the invalid UUCP id and then prompt you for a new UUCP id for each user with an invalid UUCP id.

Invalid UUCP ids can result in failure to receive mail and other system messages so, be sure to run this door.

2. Transpose not saving changes made to user accounts during transpose fixed.
3. Using ranges when using SCAN (ie. S2-) during mail read was not working properly. Fixed.
4. MailRead now should not produce "item corrupted" messages unless a mail item is truly corrupt.
5. "GO MAIN" and using a colon (:) to go to main menu from within subboards now work correctly.
6. CNet now has a dedicated background process for testing and transforming files immediately after users upload files. In EL, under "File Testing" and "File transform" there is now a "Background" setting in addition to the previous, AMaint, Immediate, and None settings. If you get garbage and not "BackGround" in your VDE display, then make sure you have updated your BBSTEXT to include the new text in the newest !stock\_bbstext.. When someone uploads files to your system, the background test transform will occur immediately without prompt, if you have set the subboard for background test/transform. If someone enters "TE" or "TR" and have access to those commands, they will be given a choice whether test/transform is done by the background file-server

(file-task) or to perform and output test/transform results immediately.

file-task should be located in or copied to your root CNET: directory.

NOTE: even if you do not wish to have background processing of tests and transforms, you should EL all subboards and verify that your File test and file transform settings are correct. Todd (Electropig) and I noticed that some of our Aminet mirror subboards were being transformed/tested even though they were set to NONE. The values have shifted slightly internally so unless you want subboards, that were not supposed to have test/transform enabled, to be tested/tx'd at amaint, be sure to EL all subboards. Don't forget that you can mass EL by using EL x-y to edit groups of subboards..

7. Mail-read expanded to notify the user and re-read the list of mail items when new mails are received if the user is currently reading his mail. Be aware that this won't happen if they are sitting at the mail-read prompt but if they SCAN, read, edit or perform any command, their mail item list will be updated. This is checked before AND after the mail-read prompt is displayed. Later, it will be expanded to update even if the user is sitting at the prompt, with no activity..
8. Fixed bugs where ports were not closing if a user was dumped while "close port?" was set and, closing a port while a user was online dumped the user but the port did not close.
9. Mail-bouncing re-implemented in mail-task. If a mail cannot be delivered, the originating user's message will be returned with an explanation as to why the message could not be delivered.
10. DIZ ADD now implemented. The format for DIZ extraction and ADD is as follows:

THE DIZ EXTRACT COMMAND

=====

an example for LHA:

```
lha x %s %s
```

for programs capable of displaying FILE\_ID.DIZ to an amigados shell:

```
DIZ_utility >FILE_ID.DIZ %s
```

In the above (and in ALL diz extract commands in config/archivers),

- the first %s is replaced by the full path/filename of the file that was uploaded or adopted.
- the second %s is replaced by the actual text "FILE\_ID.DIZ"
- all extraction/processing occurs in a dtempX directory in the directory specified in the "Arc Examine Temp" path in config/paths. That is, CNet will change directory (CD) to the dtempX directory before executing your extract command. The 'X' in dtempX is replaced by the current port number. ie. If RAM: is set as your arc examine temp and you have just uploaded a file on port 1, DIZ processing will occur in "ram:dtempl/".
- For DIZ processing utilities that are capable of redirecting their output directly to an amigados shell/cli, you can use the command

"DIZ\_EXTRACT\_PROGRAM >FILE\_ID.DIZ %s" where DIZ\_EXTRACT\_PROGRAM is the actual path/filename of the DIZ extract utility. In this case, the second %s, as noted above, can be left out.

THE DIZ ADD FORMAT

=====

In config/archivers is a DIZ ADD command string. In this string you place the command used to add a FILE\_ID.DIZ description to the archive being described. By definition, this is where you put the command used to add a FILE\_ID.DIZ to the file currently being described.

An example for LHA (others are similar and the %s's mean the same thing)

DIZ ADD FORMAT

=====

dh0:c/lha r %s %s

OR

dh0:c/lha r %s FILE\_ID.DIZ

The FIRST %s is replaced by the full path and filename of the file that a FILE\_ID.DIZ is being added to.

The SECOND %s is replaced internally with the text FILE\_ID.DIZ and may be ignored if you use the second example.

11. Mail that was/is marked as URGENT/HIGHPRI is now reset to regular priority when it has been read.
12. Mail-task has been updated to use true file-notification. Instead of checking to see if mail has been filed every 10 seconds, it only scans mail:cnetoutbox when a new item has been filed. This does 2 things:
  - 1) reduces CPU time during idle periods where no mail whatsoever is received. There no need for file-system activity during these periods.
  - 2) provides IMMEDIATE delivery of mail when received.
13. Some minor code fixes in mail-task that may have caused mail, addressed to "SYSOP", meant for the msgs-to-sysop folder to be saved to the sysop feedback folder instead. Don't forget the command "VS" to view messages addressed to "SYSOP." The VS command is the only SYSOP mail command that doesn't exit if the msgs-to-sysop folder is empty. This allows you to change folders and view newuser and feedback folders interactively.

## 1.48 4.20 (beta - all v4.x sysop release) Changes

CHANGES/FIXES FOR V4.20

1. Copies of mail placed in SENTMAIL are no longer flagged as "new" mail.
2. An invalid GO argument now displays the text in "systext:menu/go" and prompts CNet to ask the user if they would like to see a list of valid GO arguments for objects/areas that they have access to (changes to BBSTEXT

lines 336 and 339)

3. ReadArgs template to toss was missing /S so PKONLY arg returned "bad arguments. Fixed.
4. Short description lines expanded to 2 characters in config/limits. Note the max of 16 lines. Be aware that most file\_id.diz processors only support 12 lines.
5. DRop/JOin outside of subboards fixed.
6. Cron bug fixed where the invoke type (ie. Immedite-UDump etc,.) could not be changed after an event was added/saved. Requires the newer cnet.library included in this beta package.
7. Killing of CopySelf mail (saved from the date of this beta install forward) will no longer be deducted from the System Activity Monitor (SAM). Please note that CURRENTLY saved SentMail is not affected by this fix so your mail counts may be slightly wrong until all previous items in user "sentmail" folders are killed. That is, copyself mail saved previous to your installing of this beta will still be deducted from the SAM. Please consider running the COUNT maintenance door when you run amaint to correct the SAM variable(s) until you are fairly sure all old sentmail is killed.
8. Upload resume fixed.
9. Subboard VDE problem with "Other defaults" fixed.
10. FIRST INCARNATION OF "NNTPGET", the new direct NNTP usenet news import utility for CNet/4. Please note that for this first release if you do not use the "NEW" argument, NNTPGet WILL NOT get any news from your ISP. The NEW argument is, for the time being, REQUIRED. When the SINCE argument is implemented, one of NEW, SINCE or GETACTIVE will be required, but not all at the same time. Please read the following IN ENTIRETY to avoid configuration problems.

NNTPGet currently requires AmiTCP/IP. It may also work with Miami and/or MultiLink but this has not been verified. If someone would please let me know about the latter two, it would be much appreciated and if it does not work with those, I will look into adding support for those TCP stacks..

NNTPGet is designed to directly import usenet news items directly into your CNet message base, from your Internet Service Provider.

Before you run NNTPGet, there are a few things to note:

- i) The "Go Keyword/Arg" for the usenet/UUCP newsgroup in your subboard EL must be the exact name of the newsgroup as found in the list of newsgroups supplied by your ISP. This list can be retrieved by NNTPGet and will be explained later.
  - ii) The "Part0/CD/Net" has a few restrictions if you are using NNTPPost (which will later be replaced with another ZenMetal CNet support utility). If you are going to use NNTPPost to post usenet news from your system, you will need to create an assign of UUNews: which will be the base path that articles will be placed when they are received.
-

## EXAMPLE:

NEWSGROUP NAME AS FOUND IN THE ACTIVE NEWSGROUPS LIST:

comp.sys.amiga.programmer

IN CNET SUBBOARD EL:

TITLE: csa.programmer (you can use anything you want here)

DATA DIR PATH: Base0:csa.programmer (again, use any path you  
need for the cnet data files)

PART0/CD/NET: uunews:comp/sys/amiga/programmer

GO KEYWORD/ARG : comp.sys.amiga.programmer

\*\*\*\*OR\*\*\*\*

comp/sys/amiga/programmer

NETWORK: UUCP

... all other subboard VDE option are at your discretion.

NNTPGet accepts some command line arguments when it is ran:

N=NNTPSERVER/K,P=NNTPPORT/K,N=NEW/S,I=SINCE/K,A=GETACTIVE/S

Explanation of arguments (all optional):

**NNTPSERVER:** This is the name of the NNTP server for your ISP. for example, my ISP has a domain of netrover.com and their NNTP server has a hostname of NEWS.NETROVER.COM. In this case, I use: nntpget n=news.netrover.com Please contact your ISP to find out it's news server's hostname.

**NNTPPORT:** Defaults to 119 which is the usual NNTP news port but may be used if your ISP uses another port number for security reasons.

**NEW:** switch to tell NNTPGet to get only new news since your last session. If you have not ever done a news import using NNTPGet, it will get all new news since the last 30 days.

**SINCE:** (not yet implemented) specify a date string and NNTPGet will get only the news posted since that date.

**GETACTIVE:** tells NNTPGet to receive the list of currently available newsgroups from your ISP. It is stored as UUNews:ACTIVE so be sure to assign UUNews: somewhere on your system. Most UUCP/NNTP utilities

use this directory to save news in a heirarchical format (aka NESTED DIRECTORIES - each directory used as a newsgroup with news items within) for incoming news. The ACTIVE file is in ASCII format and can be read with any text reader or editor.

If you do not specify an NNTPSERVER, NNTPGet will look for the environment variable NNTPSERVER. So you may set this to assure that NNTPGet uses this as a default by entering "SETENV NNTPSERVER <NNTP\_SERVER\_NAME>" and then "copy env:NNTPSERVER ENVARC:" to assure that it is saved and set when your system is reset/rebooted.

## 1.49 4.13b (beta - all v4.x sysop release) Changes

### CHANGES/FIXES FOR V4.13b

1. SENTMAIL folder and "CopySelf" are now re-implemented. mail-task will generate a "copy" of the sent email/netmail in the user's SENTMAIL folder if the CopySelf flag is enabled when writing a new mail.
2. "Last Msg Serial" in subboard VDE expanded to allow 9 digits.
3. various fixes for UUNews and Toss/Ifido importing of items with long area/newsgroup subdirname.
4. The entry in the Logs section of Config, titled "MaintLog" was changed to "ReadLog". Still retains a log ID of 216.
5. New "RL" (ReadLog) menu command added to the maintenance menu section of BBSMENU. This allows you to create/alias your own unique LOG reading commands of simply enter "RL" and you are prompted for a log name to read. Note that the path to the log is not entered, only the actual filename of the log. CNet assumes a path of "sysdata:log/".

An example of creating a log alias has already been provided in BBSMENU. Look for the alias "LA" in !BBSMENU\_STOCK which is defined as follows:

```
LA~RL amaint
```

6. Toss, IFido and the mail server now filter MCI from Subject and From/To fields.
  7. Last Message Serial number in "EL" VDE is no longer a large 9 digit number (time stamp). QWK requires that this number be 8 digits or less. (this is the reason QWK replies were being filed as posts) To avoid QWK/YANK problems in the future, please do a GLOBAL "EL" and set this number to some median number such as 4000 or thereabouts for all subboards. Do not be concerned if there is currently a 9 digit number in that field, reset it to some 4 digit number anyways. CNet message filing will set the "Message ID" to be this number +1 and then increment it each time a message is saved. If you delete all items in a subboard, reset this Last Message Serial to 0 and CNet will begin message numbering according to that number. Be aware that QWK uses the Message ID number when filing responses, so try not to change it often or at all once reset, or posts/responses may not get linked properly.
  8. Repair\_sub is now working again and must be located in your cnet:doors/ directory.
-

9. Cron now has an option to run and/or close the port, that an event is destined to execute on, at the time of event execution.

There are three options:

- IGNORE: If the port is loaded already, the event runs as scheduled.  
If the port is not loaded, the event is skipped,
- RUN: If the port is loaded, the event runs as scheduled.  
If the port is not loaded, control loads the port, the event is executed and on completion of the event, the port remains loaded.
- RUN/CLOSE: If the port is loaded, the event runs as scheduled.  
If the port is not loaded, control loads the port, the event is executed and on completion of the event, the port is closed.
- \*\*NOTE\*\***: If RUN/CLOSE is enabled and the port is already loaded at the time of event execution, the port will still be closed after the event executes.

10. Changed minutes.tenths-of-minutes display of next pending event (in SYSINFO window of control) to hours, minutes display.
11. Repair\_sub now allows a "renumber" argument to force mandatory renumbering of MessageIDs. Try this method if your yanks/QWKs are failing (ie. no messages yanked) and you know there are new messages. Also, please do not use the "renumber" argument too often as messages from old QWK packets that users have yanked previously to your renumbering may not get filed properly and could be filed as new posts rather than responses. This argument should be used only as a last resort (ie. if your "LasMessageSerial" for any subboard exceeds 8 digits).
12. mail-aliased "account ranges" no longer include deleted accounts (which were denoted by a Handle/RealName of '!')
13. mail-alias [K]ill command was TOO powerful. Prompts for Name and address added to Kill Alias command. Alias killing is based only on the "filled-in" prompts. That is, if you leave one or two of the prompts blank, only aliases with fields matching the remaining information are killed. You can still mass kill aliases by entering only the "Alias" part of the mail-alias. If all three are left blank, NO mail-aliases are killed.
14. PKTONLY argument added to toss which can be used to quickly process netmail and areafix requests only. This can be used to quickly respond to areafix requests from remote systems by using the syntax

TOSS PKTONLY

in your TURNAROUND command for trapdoor and other mailers that support this style of quick answering of areafix and netmail messages while the remote system is still connected. There would be no need to wait for callback to get replies to your areafix request as they can be now processed and answered immediately.

---

15. Fingerprint added to Toss for decompression of packets compressed with ARJ.

Don't forget to add .ARJ to your ARCHIVERS section of config if you wish to support ARJ. Be sure to use "ARJ e %s" for the Extract Format.

NOTE: a future beta/release of CNet will have the capability for you to define your own archiver "fingerprints" in CONFIG/ARCHIVERS so you don't have to wait for new versions of CNet to support newer/popular compression formats..

16. AMaint sports four new arguments/options that are specified on the command line of cron, in your BBSMENU or wherever amaint is executed from:

NOUSERPURGE: tells amaint not to do a user purge

NOBASEPURGE: tells amaint not to do a message/file area purge nor adopt orphans (if configured to adopt orphans at maint)

NOBBSPURGE: tells amaint not to weed old items in the BBSLIST.

CURRENTDATE: tells amaint to use the CURRENT DATE and TIME for the "Post Date" of newly adopted items. If this option is not present, amaint uses the AmigaDOS date of the file being adopted.

To set an amaint event using any of these, use the following example as a guide for the COMMAND in your CRON configuration for amaint:

```
cnet:doors/amaint nouserpurge nobbspurge
```

NOTE: These args cannot be specified at CNET prompts. They must be added in the CRON/BBSMENU command.

17. AMaint now looks for descriptions in the files.bbs file specified on line 634 of BBSTEXT when a new file is adopted by amaint. If there is a %s in line 634, AMaint will (as usual) look in the current subboard for the specified files.bbs file or, if there is no %s in line 634, AMaint will use the discrete path specified (ie. "DOWNS:files.bbs" rather than "%sfiles.bbs") for those who like to keep their files.bbs descriptions in a single location/file.

18. AMaint now searches newly adopted files for an existent FILE\_ID.DIZ and uses that description, rather than the files.bbs description, if present.

19. FILE\_ID.DIZ processing is \*partially\* functioning as of this beta. Only the EXTRACTION of DIZ descriptions is functioning at this time.

Other options are in progress but many people have voiced their concerns about getting fixes for current bugs so I felt that at least having the extraction of DIZ working at this point, will suffice until the next beta.

Please make sure you have a valid command configured for your "DIZ Extract" command in config/archivers.

an example for LHA:

---



```
lha x %s %s
```

for programs capable of displaying FILE\_ID.DIZ to an amigados shell:

```
DIZ_utility >FILE_ID.DIZ %s
```

In the above (and in ALL diz extract commands in config/archivers),

- the first %s is replaced by the full path/filename of the file that was uploaded or adopted.
- the second %s is replaced by the actual text "FILE\_ID.DIZ"
- all extraction/processing occurs in a dtempX directory in the directory specified in the "Arc Examine Temp" path in config/paths. That is, CNet will change directory (CD) to the dtempX directory before executing your extract command. The 'X' in dtempX is replaced by the current port number. ie. If RAM: is set as your arc examine temp and you have just uploaded a file on port 1, DIZ processing will occur in "ram:dtemp1/".
- For DIZ processing utilities that are capable of redirecting their output directly to an amigados shell/cli, you can use the command "DIZ\_EXTRACT\_PROGRAM >FILE\_ID.DIZ %s" where DIZ\_EXTRACT\_PROGRAM is the actual path/filename of the DIZ extract utility. In this case, the second %s, as noted above, can be left out.

20. Transpose bug fixed where new privs were not binding after a transpose.

21. BBSTEXT line 2143 is now used to set file patterns for files that are NOT to be auto-adopted at maint. The pattern is any AmigaDOS wildcard pattern. Each pattern must be separated by SPACES. TABs are not allowed on this line, nor is MCI.

EXAMPLE AMIGADOS FILE PATTERNS:

```
#?.readme          means not to adopt files with an extension of
                    ".readme"
file.bbs           means not to adopt any file called "files.bbs"
(#!.lha|#!.zip)    means NOT to adopt lha and zip files
~(#!.lha|#!.zip)   means to only adopt lha and zip files
```

The default in v4.13b's bbstext is as follows:

```
#?.readme #?.ads files.bbs
```

using the default noted above keeps amaint from auto-adopting .readme, .ads and files.bbs files.

## 1.50 4.13 (beta - all v4.x sysop release) Changes

### CHANGES/FIXES FOR V4.13

NOTE: You must be sure that all ports & control are not running and then run the maintenance program "413" before using this version. The 413 upgrade executable will convert your sysdata:subboards3 to the new sysdata:subboards4 format. Your subboards3 file will not be deleted

so that you may still run older CNet releases if you need to.

Also note that some BBSTEXT/MENU changes were made for this release. Be sure to use a text-changer or text "diffing" program to find and change/update your bbstext/menu.

1. Mail Aliases are once again implemented. Multiple mail aliases are possible for a single "Alias" to support "group mail" so you may define a single alias for many users by entering their names one at a time, but using the same "alias" when prompted for an alias. Also, you may use aliases for local (ie. belonging to the same system) users as well as network addresses by simply NOT specifying an "address" but only the user Name and Alias. Note that ALL aliases still pass through access filters so, just because a user has a "network address" defined in one of his/her aliases does not mean that the mail will be sent. If the user does not have network access, then the user's network mail alias will not be valid.
2. Only "Immediate-NoDump" events were working in v4.12d. Fixed. All types should now work and the "Next Event" field of Control's System Info screen should display the time of the next valid event.
3. OLM's to maint users stating feedback was received, were actually New user applications and vice versa. Fixed.
4. NMAIL to new users sometimes went to NEWUSER (VN) and the new user application was lost. Fixed.
5. MailSend (MS) now accepts a valid CNet RANGE of accounts. For example, Entering "MS 1-50,75" now allows sending mail to accounts 1 through 50 including account 75. NOTE that you cannot mix and match account ranges with network addresses and user handles/names. For account ranges to work, you must use only valid NUMERICAL account ranges.
6. Related to number (5.) above, local Account ranges are now allowed in mail aliases. To define a local group of users in a mail alias, simply set your alias up similar to the following example:

ALIAS	NAME	ADDRESS
=====	=====	=====
Rangel	1-50,75	[leave blank]

Therefore, entering "MS rangel" would send mail to accounts 1 through 50, while including account 75.

7. Subboard Unique Dirname and paths have been expanded to 3x the previous length, with unique dirname having a new maximum of 75 characters rather than the previous 21 characters. Data path has been expanded to 95 characters from it's previous 40 character limit.
8. Added "VS" command to View Sysop Mail which are mail items in the Msgs-To-Sysop folder of the SYSOP mail directory) The Msgs-To-Sysop folder contains messages that are simply addressed to "SYSOP". These SYSOP messages are usually carbon copied from network echos when unsavvy users address their messages to "SYSOP". They are placed in Msgs-To-Sysop to reduce mailbox clutter in your (sysops) real mail folders. However, CNet DOES support LOCAL mailing to "SYSOP" and these mails are also placed in

Msgs-To-Sysop.

NOTE: Items in the msgs-to-sysop folder are counted as FEEDBACK so if your "VF" (View Feedback) command returns empty and you still have a non-zero feedback counter, check mail-to-sysop using your "VS" command before reporting this as a bug.

9. IUUMAIL bug fixed, where imported mail was directed to the wrong mailbox.
10. The same bug that plagued IUUMAIL was found in TOSS and IFIDO. All fixed.
11. Fixed "checkable" control menuitems (no new users, sysop is in, etc..)
12. Fixed amaint problem of deleting the same users over and over again.
13. systext:vde/subboard has been altered, the subboard VDE has been reorg'd and the following new FILE\_ID.DIZ processing configuration variables exist for EACH subboard:

DizTypes: Archive types to allow diz processing on. 0-31 are allowed and match the type in the "Archivers" section of config.  
 ie flag 0 = the first archiver,  
 flag 2 = the second archiver  
 etc,.

DizSave: settings: 1 = Save Edited Diz = save/replace edited diz to archive ←  
 0 = Don't Save Diz = don't save/replace diz to archive ←

UseSentBy: settings: 1 = Add sent-bys = add sent-bys to description/diz  
 0 = Ignore sent-bys = don't add sent-bys to diz/ ←  
 description

DizEdit: settings: 1 = Diz Edit = allow DIZ editing by user  
 0 = No edits = no user diz edits

NOTE: Due to my having to release this beta prematurely, the DIZ processor is not yet functional. I will address the significance of the DIZ settings and provide example DIZ strings for config when the DIZ functions are implemented, most likely in one of the next two beta releases.

## 1.51 4.12d (beta - all v4.x sysop release) Changes

### CHANGES/FIXES FOR V4.12d

pre-notes: please be patient with these things. The mail system re-write was a large undertaking and these things are bound to pop up in something so diverse as the new mail system. The new system is ultimately more powerful than the old one and allows easy internal feature expansion. Once fixed, these bugs should not ever resurface. I am attacking them as fast and furious as possible. Please let me know if there are any more residual mail bugs ASAP.

Also this release was much delayed so as to assure that events are

100% bug-free. There were many problems with the way Perspective's CNet AMIGA v4.0 handled events and these did not become apparent until 4.11 when I had events working "in principle" although they were very buggy because of the time handling code (ie. the many many ChangeDirs to your CNet partition and "env:". You may still see the odd CD to env: but that activity has been reduced by over 800%.

1. This is once again a full package as the libraries have changed and version/revision numbers for the libraries have changed. cnet.library and cnet4.library are now correctly numbered (v4.3). From this point on, any changes that do not require a complete distribution archive will be placed online (at The Metal Shoppe first) as single executables to save LD sysops phone charges.
2. mail-task problem caused lockups. Fixed.
3. Added "send mail to ... Is this correct?" prompt after TO and CC filled in.
4. Related to above, FTN (fidonet) netmail "TOs" and "CC's" are now expanded to the full remote user and system name for verification by user.
5. UUCP/FIDO mailsend access was not being checked before allowing mailsends to network addresses.
6. Toss/XFido problem that added some extraneous characters to outgoing msg headers fixed.
7. Toss problem that duped addresses on replies, fixed. (ie. Ray Akey@1:246/74@1:246/74) Old mail may stil "look" broken when you reply but new mail is imported fine.
8. Online maint users now receive notification (System OLM) when feedback or new user applications are received/filed.
9. Quoted text (via the flags you set before entering the editor) during mail reply appeared below the user's signature. Fixed. It now appears above the user's signature.
10. Cron has been updated to include settings for a "start date and time" which now gives the capability of "postdating" events to start sometime in the future.
11. Cron received "repeat" settings for Days, Hours and Minutes. These settings are use, for example, to cause an event to be repeated every x days, y hours and z minutes.

Examples: DAYS=0, HOURS=1, MINUTES=0 to have an event repeat every hour.

DAYS=1, HOURS=0, MINUTES=0 to have an event repeat every 24 hours.

DAYS=0, HOURS=1, MINUTES=30 to have an event repeat once every hour and 1/2.

DAYS=1, HOURS=6, MINUTES=0 to have an event repeat every day and 1/2.

Alternatively, you can specify, for example, 48 repeat HOURS and Cron will adjust the days, hours and minutes accordingly...

You can also specify a "start date" as some date in the past and Cron/Control will bring the date up to the current date (if the event is a "repeat event") automatically, assuring that the "repeat time" is strictly followed.

If you specify a date in the past (ie. 08-Jan-78) for an event that is not repeated (ie. no repeat days, hours or minutes set) the event will simply be deleted. Please keep this in mind when adding "predated" events.

12. Added sysdata:log/events log to allow sysops easy verification that events have or have not been executed.

coming: Mail-Aliases (as a few have noticed) are not yet re-implemented but should be for the next beta. They will be more powerful than the previous aliases used in versions 4.0-4.10 and will allow full editing, deletion and addition. Aliases will be allowed for ANY mail address.. Local, Fidonet, internet etc,.. These also will pass through the "Access filter" to be sure a user cannot, for example, send fido alias mail if he/she does not have fido mail access. I had intended to have Mail-aliases in this release but let's face it, you guys needed a fix for your lockup problems before Mail aliases were resumed. Mail-aliases will FOR SURE be back in for the next beta (v4.12e).

FILE\_ID.DIZ support. v4.13 or v414 should have DIZ support fully implemented (or at least functional anyways). I'm sure more diz options/features will be added over time.

The old subboard name restrictions are being lengthened (someday REMOVED altogether, but not yet) to allow longer Usenet newsgroup names to be used.

The subboard conversion program is already written and tested but I have some work to do in converting existing code to allow/use the longer names and also adding/altering the VDE for the new DIZ options. If you have suggestions for the DIZ processor, please get them in NOW if you want to see them in the first DIZ beta release.

## 1.52 4.12c (beta - all v4.x sysop release) Changes

### CHANGES/FIXES FOR V4.12c

1. Getuser offsets had inadvertently shifted in v4.12b. They are now back to normal and are once again compatible with getusers previously used in MCI and ARexx doors. Some getusers may change in the future but not nearly as drastically as they mistakenly did in v4.12(a).
  2. Code added to prevent CNet from popping up "please insert volume xxx" system requesters when a file/directory cannot be found.
  3. "move read items to trashcan" prompt only appears when there is already read items in inbox, feedback or newuser boxes.
  4. "empty trashcan?" prompt only appears when there are messages in trashcan.
  5. User login macros are now all executed BEFORE the "main menu" appears.
  6. The "412" upgrade executable in v4.12b did not work properly on systems that used a small stack size as it was created using some previous Perspective Software wrapper code. This has changed and stack size is no longer a factor for the 412 upgrade executable.
-

7. The license window is no longer "activated" when it opens.
8. Count was not counting any of the mail, feedback or newuser applications. Fixed. When count is processing mail directories, an asterisk is printed when a FOLDER is found, and a period is printed when an actual mail/feedback or newuser application is found.
9. Ifido bug fixed where many posts/responses were chained to the end of other messages.
10. OLM save to mail was broken. Fixed.
11. Added "NET" command to mail read, to display information about the system from which netmail was sent. NET command added to the end of BBSMENU section "7; Mail Read" to enable this command. Also added display lines to the end of bbstext for this feature.

## 1.53 4.12A (beta - limited release) Changes

### CHANGES/FIXES FOR V4.12A

REMEMBER: This IS a limited (4.x registered users only!) beta. If you aren't up for a little bit of testing and a few possible bugs here and there, then please do not install this beta until initial reports are in from those who are willing/able to beta this release.

A QUICK NOTE on some things that didn't make it into the code or things that I thought may be "fuzzy" to some sysops:

1. run the executable "412" to update your system to upgrade your bbsconfig3 to the new BBSCONFIG4 that v4.12 Control requires. If you are running CNet for the first time, or have no users yet you do not need to run "412".
2. Use the included event editor "CRON" to add/edit/remove your Events. You no longer have to shut down control to change your events. The Events section of CNet's "Config" program no longer exists.

### CHANGES

1. A completely new/re-written event scheduler!

Gone is the CBase event-scheduler previously introduced in the 4.x series by Perspective Software.

The command CRON is now used to schedule your CNet events. It is very simple to use and features a font-sensitive interface. Please be aware that some large fonts may corrupt the display. ZenMetal recommends a size 16 or less font for your Workbench SCREEN font. This is the font that CNet/CRON uses for it's interface. In the future, if problems arise for some sysops, if a font larger than size 15 is used for your WB screen font, Cron will default to using an 8 point CNet font. Please let me know if the current CRON gives you any display problems. This is CNet's first font-sensitive configuration editor and, if it goes over well, all other local GUI editors will be converted to a font sensitive interface.

The only field/attribute that may seem cryptic about the new cron (and the old config event scheduler) is the "valid" setting. This field holds the

amount of time (HH:MM) that the event will remain valid, past the "start time" of the event. That is, if the current time is greater than the start time PLUS the valid time, the event will be skipped. If the current time is greater than the start time (but less than the start time PLUS the valid time) the event will be executed. Once executed, the event should not be executed again until the next day set (via the DAYS checkboxes). if anyone comes across any problem where a single event is being executed more than once per day (if enabled every day), please notify ZenMetal ASAP.

Note that the "Name" of the Event is an identifier. that is, CNet really does not use this field. It is for your recognition only, but each event MUST have a Name unique from other Events. You cannot have two events named AMAINT, for example. If you need amaint to run twice a day, call one "Amaint1" and the other "Amaint2".

2. A bug crept in v4.11 in which the "W" command did not work properly in File bases. It did not allow editing of short file descriptions. This has been fixed.
3. The mail subsystem has a new filing system. It looks almost like the old 4.x system from the user/sysop point of view but it is much more efficient and unlike the CMail-based mail system, the new one does not "grow" in size, never to be reduced. As soon as a mail item is killed, you relinquish almost all hard drive space that was allocated for that item. There will soon be a "Repair-Mail" utility to do much the same as the Repair\_Sub utility does for your message/file bases. It will clean up old text and headers that, for some reason, didn't get deleted.

There are some subtle visual changes that you'll notice as time passes.

Also, Feedback and Newuser mail goes to mail:users/SYSOP/FOLDERS/#?. This allows you and your CoSysops to switch between reading feedback and newuser mail by simply changing folders.

Multiple TO's and CC's are now 100% implemented and, when you enter the editor, after selecting the appropriate flags for your mail item, the FIRST recipient receives name/handle expansion, in that his is the name listed in the "To:" line at the top of Vis-Ed and the line editor. The other recipients are still valid but are not expanded. It would not be worth the trouble to lose a line of Vis-Ed display just to print the names of ALL the recipients. Especially when CNet now allows up to 200 characters for "TO:" and 200 characters for "CC:". I think the list of expanded names would get rather large, even larger than Chesty Morgan. ;)

Mail is now "distributed" rather than simply saved. That is, upon saving an item, you will be notified that CNet is "dispatching" a copy of the mail to each user who was listed in the "TO" and "CC" fields that you specified. At this point, all users' names will be expanded to their name, handle, or network address, whichever applies to the type of mail being sent.

Currently (as a holdover from Perspective's v4.0-v4.08), mail-task searches for pending mail-requests every 10 seconds. You will (if you use Eddy Carrol's SnoopDOS or some other system activity monitor) notice CNet looking for something called ENV:TZ.. This is something that SAS/C uses to discern your timezone. The timezone setting is the number of

hours from Greenwich Mean Time (GMT). Do not concern yourself with this as I have not altered any of the time functions and Ken (Pletzer of course) did not take this into account when coding CNet's time functions. If you set a time zone for your system, CNet will most likely calculate your local time incorrectly...unless you are living 0 hours from GMT :) These things will be changed in the future. In the future, when mail is saved, mail task will be notified that there are pending items waiting to be processed so that they may be processed as quickly as possible.

Known mail/folder bug(s): When mail-task files a new item in a folder while you are reading/scanning mail items in that folder, CNet does not update the mail listing until you quit mail-read and re-enter <<OR>> change folders and then change folders AGAIN to go back to your inbox. The item is SAVED but it just doesn't appear in your "header listing" until you quit mailread or change folders. This will be fixed for v4.12c. I wanted to get this release out to put an end to the "lost mail" problem so I felt that this is only a small oversight rather than a "bug" in the true sense of the word.

4. Much other internal optimization of code to speed up Toss and other areas of CNet. The event scheduler is going to receive still more optimization for the next release. I mainly rushed this out the door before further optimization so as to give Sysops a chance to get their events running again. Also, the new event system does not currently have a "repeat" attribute. That is, events that must run many times during the day will either have to be entered more than once (ie. for network mail polling, you may want to set up events to poll every hour.. For this, you will be required to set up 24 seperate events). This is only a temporary problem as "repeat" hours and minutes will be re-implemented in an upcoming release.
5. MCI code ; has been added to allow comments in MCI scripts and BBSTEXT. Note that some BBSTEXT lines still do not allow MCI. Generally, the ones that already have MCI in them are safe. Please netmail/email me if you are unsure about certain lines. Some of the new changes are already commented using the format:

```
{; this is a comment}
```

```
^
```

```
|
```

```
CTRL-Q
```

Special Notes: For the v4.12b release ONLY, Mail-Aliases have not yet been coded back in. It's an easy thing to insert into the code but I just want to get the initial beta of the new mail filing system tested and completely up to snuff. Mail-Aliases will return in v4.12c. Also, the newer quoting style (you know..the quoted text UNDER your reply?) is gone but the former 3.x quoting method is still completely active (CTRL-Q in Vis-Ed and .Q or /Q in Line-Ed. If any of you want it back, this is also simple to add back in. Just let me know if you want it. I chose to remove it temporarily as many of you (and myself also) didn't like it. But if you want it back in..

3rd Party Developers

---



-----  
A CNet Developer's Kit will be released in the hopefully near future. The Subboard structures need some attention before I can/will release any of the header files. Also, SOME getusers have changed. If any of your getusers no longer work, don't panic, just let me know in either the fidonet CNET\_BBS, C-Link CLINKCNETAMIGA, any of the ATechNet CNet echos or by EMail/netmail and I will reply with the correct getusers to use for this version. (I expect Dotoran will be the first to contact me :)

...anyways, much, much, MUCH more to come! We still have some bugs to swat now that the events and Mail are "seemingly" settled. Let me know ASAP if you have any bugs that weren't yet reported, especially those relating to the new mail-filing system or the new "CRON" event editor or events that won't run, etc,. Now that the really major things are fixed, the small bugs (ie IFido etc) can be tended to and then on to NEW FEATURES that I've been talking about here and there..

Until the next release.. ENJOY!  
-Ray

## 1.54 4.11 (beta) Changes

### CHANGES/FIXES FOR V4.11b

1. Control now boasts a PUBSCREEN argument to allow you to open your control panel on an **\*\*already opened\*\*** public screen. There are a host of utilities out there, some on aminet, to facilitate the opening (and closing) of public screens. CNet Screens (when "Workbench" mode is selected) will use the same public screen that control uses.

Syntax: run >NIL: <NIL: control pubscreen=MYPUBSCREEN

## 1.55 4.11 (alpha) Changes

### CHANGES/FIXES FOR V4.11

Please be aware that this release does NOT fix many of the bugs reported thus far. This release is mainly to give you a stable 4.11 so that you can at least have an operational system up and running. The next release will fix many more bugs reported since ZenMetal acquired CNet AMIGA. Changes and fixes are outlined below.

NOTE: YOU MUST FIRST INSTALL THE NEW LIBRARIES FOUND IN THE "SYS" SECTION OF THIS DISTRIBUTION AND THEN RUN THE 411 EXECUTABLE CONVERSION PROGRAM BEFORE RUNNING VERSION 4.11.

---

"411" is an AmigaDOS executable that you must run from a Shell or CLI process.

\*\* ALSO, IMMEDIATELY AFTER YOU RUN 411, YOU MUST LOGON TO YOUR BBS AND IMMEDIATELY RUN THE CNet/C DOOR "BASE0:DOORS/POINTERS" so that your users' handle/UUCP/phone pointers are updated. If you get the message "could not open mailbox (-1)" before running pointers do not be alarmed as "pointers" will cure that.

Be aware that the SYSOP's UUCP id will be altered also. If you wish to change it, please do so after running pointers.

1. IFIdo/XFido now have their own logs in sysdata:log rather than logging their activity to sysdata:log/maint.
2. bbstext lines 781 & 782 changed to allow insertion of mail processing programs such as SuperTags to work on the \_EdBuff file before it is saved.
3. Functions added to CNet.library:
 

```
short   FileExists(char *filename);    /* checks if file exists */
void    CreateMailDir(char *uucpid);   /* creates user's mail directory if ↵
non-existent */
```
4. User mail directory names are once again the same as their UUCP id.
5. UUCP ID can now only be changed by the SYSOP via "EA" to avoid user abuse. Please note that users with "full remote maint" can change their own UUCP ID.

CNet sets new users' mailbox names according to the following algorithm (UUCP ID is limited to 8 characters MAXIMUM):

```
first character   = first initial of FIRST name
next 7 characters = first 7 letters of LAST name, or less if last name is
                  shorter than 7 characters.
```

the string is converted to LOWER case as the UUCP ID is created.

So, CNet would set UUCP IDs as the following examples show:

```
First Name       : Ray
Last Name        : Akey
resultant CNet UUCP ID: rakey
```

```
First Name       : Todd
Last Name        : Knight
resultant CNet UUCP ID: tknight
```

```
First Name       : Jack
Last Name        : Nicholson
resultant CNet UUCP ID: jnichols
```

The name is then checked with all other UUCP ID's currently in use and if a duplicate is found, the LAST character is replaced with a numeric digit of ascending order.

6. BMaint altered so that it will create "nested" or hierarchical directory structures. To do this, the "unique subboard name" prompt now allows the forward slash (/)

ie. To create an aminet/biz/misc mirror, simply use the following information.

```
Title to appear on list:      Miscellaneous Business Soft.
Name Used On Disk (unique):  aminet/biz/misc
Path to subboard data files: base0:aminet/biz/misc/
```

This also allows your users to enter "GO aminet/biz/misc" to get to that subboard.

7. Began removing CNet's dependancy on AmigaDOS commands (ie. delete, mkdir, etc..) All base directory structures are now created using pure C function calls.
8. Added check for lost QWK/Yank packets when users login. Previously, packets may have been lost in the event of software failures etc, ..
9. "\_atemp" file is no longer getting packed into yanked email QWK packets.

## 1.56 4.1 (alpha) Changes

### CHANGES/FIXES FOR V4.1

1. CNet/Control now has possible two iconified states. If Workbench is loaded, Control iconifies to an AppIcon. If the AppIcon cannot be opened, the old "Perspective C" window will be used.
2. Related to the above, the default AppIcon imagery is the "Perspective C" image. You can have your own icon imagery used for the AppIcon if you create and save your icon as CNET:AppIcon.info. Included in this distribution is a file called CNetAppIcon.info. Copy it to CNET: as AppIcon.info to use it. It is a nice 3d-looking AppIcon image for CNet.
3. Added appicon position setting to Config's "Display" settings. Click on the "Appicon" cycle gadget to open a small "Move me!" window. Place the window where you want your CNet/Control Appicon to appear when iconified and then click again on the same button (now having the text "Close position window") to save your icon position. The appicon is immediately notified of your changes and moves to it's new location.
4. CNet/Control menus were altered slightly to allow for easier future expansion. The changes are mostly in the visual ordering of the menu items. Please be aware that some menu items received new Amiga-key equivalents/short-cuts.
5. Fixed bug in "Missing" that popped up "please insert volume udbasex:". This was a hold-over from the days when CNet used a UDBaseX: assignment. (addendum: this problem was also simultaneously corrected by Mr. Pletzer in the v4.08 public release)
6. Missing no longer attempts to check non-file/message list objects. (addendum: this problem was also simultaneously corrected by Mr. Pletzer in the v4.08 public release)
7. GO argument is now displayed when a user enters a subboard.
8. Fixed bug that caused problems when attempting to run a port while that port is already running. (ie. "run bbs port 3" while port 3 is already loaded).

9. CNet no longer pops up requesters when moving files from subboard to subboard and the destination partition becomes full. CNet simply states that the file could not be moved.

## 1.57 Future Notes

### SOME THINGS TO BE AWARE OF FOR THE FUTURE

Note: 4.0x-registered sysops that registered with PERSPECTIVE Software will be charged a small transfer fee (\$50 US dollars) when v4.5 is released. V4.5 will have different keyfiles as well so, once again, you will have to contact us for your key. We'll give details on that in a future release.

A CNet demo will be made available although, technically, the current release should function as a demo without the keyfile.

There is an official support network set up between each of the support BBS' mentioned below. You may make bug reports, suggestions, get current pricing information and make constructive complaints about/for CNet Development in the "ATechNet" subboards located in the CNet Support area of those bulletin board systems. We are, however, still monitoring Fidonet CNET\_BBS, C-Link CLINKCNETBBS and the internet CNet Mailing List.

To get on the internet CNet Mailing List, send internet (or gated fidonet) email to [cnet-request@megalith.miami.fl.us](mailto:cnet-request@megalith.miami.fl.us) and place the text "SUBSCRIBE" (without the quotes) in the body of the message.

If you have any immediate concerns or complaints, please netmail your query to one of the following network addresses or contact one of the support systems mentioned in the "Bug Reports/Support" section and we'll get back to you ASAP:

Ray Akey@1:246/74.0  
[rakey@netrover.com](mailto:rakey@netrover.com)

Todd H. Knight@1:246/90.0  
[thknight@netrover.com](mailto:thknight@netrover.com)

## 1.58 Important Addresses & Numbers

### DEVELOPMENT/SALES/BUG REPORTS/SUPPORT/SUGGESTIONS/KEY-REGISTRATION

Metal Software/The Metal Shoppe BBS  
Attn: Ray Akey  
411 Bridge Ave.  
Windsor, ON  
Canada N9B 2M3

Bus: 519-256-4014  
Fax: 519-256-4014 (to send a fax press \*51 after my answering machine beeps)

---

BBS: 519-256-0278 (9600-33600 BPS)  
519-255-7378 (2400-19200 BPS)

Fidonet: Ray Akey@1:246/74  
Internet: rakey@netrover.com

#### SALES/SUPPORT/SUGGESTIONS/BUG REPORTS

Zen Computing/FreeSpace:Negative BBS  
Attn: Todd Knight  
100 Erie St.S.  
Leamington, ON  
Canada N8H 3B3  
Fax: 519-322-5893 (to send a fax, press \*51 after the answering machine beeps)  
Bus: 519-322-5893  
BBS: 519-322-0450 (2400-33600 BPS)

Fidonet: Todd Knight@1:246/90  
Internet: thknight@netrover.com

#### AUXILIARY (U.S.) SALES/SUPPORT/NETWORK BUG REPORTS

TJ's Unlimited/The Rat's Edge BBS  
Attn: Neil Palumbo  
P.O. Box #354  
North Greece, NY 14515-0354  
Business: 716-663-6570  
BBS: 716-663-2927 (300-33600bps)  
716-663-0651 (300-14400bps)

Fidonet: Neil Palumbo@1:2613/323  
Internet: npalumbo@frontiernet.net

#### INTERNET MAILING LIST

To get on the CNet Amiga mailing list, which is in no way directly affiliated with ZenMetal Software, send internet email to the following address:

address : cnet-request@crashb.gil.net  
subject : subscribe  
body text: subscribe your\_email\_address

## 1.59 A little about Ray

A few words about Ray

Hey there,

Ray Akey is the programming force behind Metal Software and does all coding, license registration and maintenance of CNet AMIGA and is half of ZenMetal Software.

---

Many of you know Ray as he has been coding CNet PFiles (now called DOORS) for the past 5 years. Well, what a way to put an end to that, eh? (oops, some Canadian showing through) ;-). From here on in, CNet is Ray's only project. Development will continue and many things are planned for the future of CNet. I hope you all stick around to reap the rewards that CNet brings to the SysOp community.

Cheers,

Ray.

## 1.60 A little about Todd

A few words about Todd

Todd is the second (or first, I'm not picky) half of ZenMetal. Todd is owner of Zen Computing, an Amiga dealer on the official SMG dealer list. Some of Todd's work is widely known as the "Pakistani chat guy" who did the "EP-Chat Sounds" for your enjoyment.

If you don't have a dealer close to you, give Todd a shout, he'll give you the best deal he can.

## 1.61 Introduction to ZenMetal

An Introduction To ZenMetal

ZenMetal is a partnership formed by Todd Knight and Ray Akey in a joint venture aimed at continuing the development of CNet AMIGA. This was and is the main reason that ZenMetal exists. We are here to encourage CNet SysOps to stick with CNet AMIGA and to assure that a quality product such as Cnet AMIGA exists for the Amiga line of computers.

I must give a "BIG THANKS" to Neil Palumbo (aka Dark Rat) for letting me know that CNet was "sort of" available for purchase and that a little picking and prodding would allow us to take CNet off of Ken's hands. Thanks to my partner Todd for jumping in with his monetary backing when I asked.

Ken has, in the past, done a fine job with CNet in general and this will continue into the future. The only difference is that ZenMetal has major plans for better and more support channels and a yearning to make CNet more connective in the network arena.

...we hope you all remain a part of the CNet vision.

---