# AIPS MEMO NO. <u>54</u>

The MAIL-REMINDER utility for VAX/VMS

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#### SUMMARY

The MAIL-REMINDER utility may be used on a VAX/VMS host computer (including all the MicroVAX/VAXstation series) as a quasi-bulletinboard system. When set up with a suitable account, it provides a repository for electronic mail messages received via VMS (or MicroVMS) MAIL, and provides any user of the system (or any group of users, if necessary) access to these messages. A common usage for MAIL-REMINDER, and also the one it was created for, is to act as a centralized receiver for mail exploder services such as the BANANAS service offered by NRAO for the AIPS system (BANANAS = Broadcast AIPS News And Network Address System).

What does it do? Two things: (a) It checks for new mail, files it away in a specified folder if there is, and resubmits itself for a specified time in the future; (b) After running N times, it makes a summary of what arrived in the last N runs and mails this summary to a group of usernames as a reminder of what's going on.

In addition to this, the repository of messages can be accessed in two ways: (1) either by actually logging in to the captive account and scanning the messages with VMS MAIL ("captive" implies you can't do anything else from the account); or (b) doing a SET FILE «whatever» from a user's OWN account in VMS MAIL to access the captive account's mail file. The «whatever» can either be the explicit filename or a logical name; we recommend the latter.

Although the MAIL-REMINDER was written for a specific application, it is quite generic in that it does not contain any specific assumptions about directories, optional software products above the basic VMS system, or the specific configuration of devices and peripherals at NRAO. Thus, it is suitable for other e-mail broadcast services as long as the local users have access to a VMS or MicroVMS machine.

#### DISCLAIMERS AND COPYRIGHT

The software is written in VAX/VMS DCL (VMS 4.4) and should work in any VMS or MicroVMS environment, versions 4.4 and up. The software is

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#### CHALLENGE!

The idea behind this facility is quite simple and generic. This implementation is restricted to VMS, but there is NO reason why a UNIX version could not be developed. We would like to challenge the reader, in particular if you are proficient in UNIX, to produce a UNIX version of MAIL-REMINDER with the same (or better!) functionality as this VMS version. If you succeed, please let the author know and you will receive the grand prize: a special virtual AIPS banana as well as fame, the admiration of your peers, and the undying gratitude of the AIPS group! (DG/AOS users: this challenge applies to you as well!!!)

#### REQUIREMENTS

The following requirements must be met in order to establish the MAIL-REMINDER facility:

- 1. A computer running VAX/VMS or MicroVMS version 4.4 or later;
- 2. A "captive" account, capable of: 2.1. Sending and receiving VMS mail;

Running in batch mode, preferably interactive too. 2.2. You should talk to your systems manager about setting up such an account; see Appendix A for the recommended UAF parameters.

- The following files. These are listed in Appendix B. You can 3. use your own file name in place of MAIL-REMINDER:
  - 3.1. MAIL-REMINDER.COM, the main command procedure;
  - 3.2. LOGIN.COM, the interactive/batch login procedure; 3.3. LOGOUT.COM, used for logging out;
- The following OPTIONAL files: 4.
  - 4.1. REMINDER.DIS, a distribution list of usernames;
  - NOTICE.TXT, an introduction to people logging into 4.2. the captive account.
- Finally, we recommend a system- or group-wide logical name that 5. will point at the relevant mail file to enable other users to access that file from their own accounts.

All of these requirements are covered in detail in the rest of this document.

#### INSTALLATION PROCEDURE

1. First, set up a new account on your system to receive the incoming mail messages. Appendix A shows some typical parameters that your system manager can use; if security is a concern, the login flags are especially important. Let us suppose you give this account a username DBANANAS.

While you have your system manager's attention, ask him/her to set up a system-wide logical name, e.g.

DEFINE/SYSTEM BANANA\_MAIL disk:[directory]mailfile.MAI where you substitute the appropriate names for the items in lowercase. The disk and directory will be the defaults for the captive account you have just set up, and the name of mailfile will normally be MAIL unless you change it (see step 3 below). If you intend on restricting the facility to a group, DEFINE/GROUP will do.

2. The next step is to extract each file listed in appendix (B) in this document to a separate file, and put them in the default (login) disk/directory for the DBANANAS account.

There are a total of 5 additional files in the distribution: these are described in sub-items 3.1 through 4.2 of the previous section.

3. Once you have all the files on disk, you need to edit the main MAIL-REMINDER.COM file. At the beginning, there are several lines that read like:

\$! Define the parameters needed. If you are going to change the time and/or mail parameters, \$! \$! the following five lines are ALL you should have to change. \$! \$ Short\_Interval = "+1-" ! Delta time, MUST be in DAYS!  $LONG_INTERVAL = 7$ ! 7 times short interval \$ Mail\_File = "MAIL" ! Use "MAIL" for default = "MAIL" \$ Mail\_Folder ! Use "MAIL" for default \$ Distrib\_List = "REMINDER.DIS" ! List of who to send summary to

Here is what each parameter means:

SHORT\_INTERVAL: how often the command procedure runs. The default -- and the minimum period -- is every day. This is specified in VMS delta time and MUST be of the form "+n-" where n is an integer representing the number of days.

LONG\_INTERVAL: how often to send out the reminder message. Specified as an integer, equal to the number of short intervals. The default is 7 which with the SHORT\_INTERVAL default would be weekly.

MAIL\_FILE: The name of the mail file. If you want the messages to be filed away in a file other than the VMS default MAIL.MAI, put the different file name here. File type must remain .MAI.

- MAIL\_FOLDER: The name of the folder the messages are to be put in. If you are not familiar with or do not use folders, just set this to the same as the value of MAIL\_FILE.
- DISTRIB\_LIST: The name of a file containing a list of people (usernames) who want to be reminded by this facility. The format is simple: one username per line, with blank lines and comments (preceded by an exclamation mark "!") ignored. You can put whatever format of usernames your local mail system is

configured to support, e.g. REMOTE::BILBO for a user on a remote DECnet node, or ST%"BILLY" if you have software tools mail. In general, however, it will be a simple list of local usernames. If the file does not exist, no "reminder" will be sent.

If you change the name of DISTRIB\_LIST, please make sure that you create it before setting wheels in motion! (Unless you want to disable this feature). One further thing you can customize is the section right after the ENDLOOP: label, to add a message after the list of mail entries indicating to users how to read them.

- 4. Next, you will want to customize the LOGIN.COM file. At the beginning are three lines:
  - \$ LOCAL\_MAIL\_DIRECTORY == "DISK\$RES:[DBANANAS.MAIL]"
  - \$ MAIL\_PROTECTION == "(GROUP:RW, WORLD:RW)"
  - \$ SET\_TERMINAL\_COMMAND == "Set Terminal /Inquire /Line\_Editing"

Let's go through them one at a time.

- LOCAL\_MAIL\_DIRECTORY should be the default device/directory where mail files are to be kept. You HAVE to get into MAIL and do a SET MAIL\_DIRECTORY command if it's anything other than the login area of the captive account. This need only be done once. For example, with the above string, you would have to go into mail and give the command SET MAIL\_DIRETORY [.MAIL].
- MAIL\_PROTECTION defines who can access the MAIL file. VMS will currently deny any group and world to mail files unless you do something about it. MAIL-REMINDER does that something and you can let others in the captive mail account's group access it, and/or let the "world" in (i.e. everyone). It's a quirk of VMS mail that you have to grant read AND write access. If you want to restrict access to users in the same group as DBANANAS, just set this to "(GROUP:RW)".
- SET\_TERMINAL\_COMMAND is the text of a DCL command to set the terminal type. As shown above, it will only work for DEC terminals and their many emulators. Just set the string to blank (" ") if you don't want to set the terminal. You only lose line editing and keypad features (neither essential).

In addition to these three parameters, you will probably want to modify the "remote privileged user" section, about 20 lines further down in the login file. It will look like:

\$ <pre>remote_user = f\$trnlnm("SYS\$</pre>	REM_ID", "LNM\$JOB")
\$ if remote_user .eqs. "" then	goto CAPTIVE
\$ if remote_user .eqs. "FROI	0" then goto EXIT
\$ if remote_user .eqs. "BILE	
\$ if remote_user .eqs. "GANI	ALF" then goto EXIT
\$ if remote_user .eqs. "ARAG	ON" then goto EXIT

First, you need to have DECnet, even if you've only got a little MicroVAX 2000. I \*think\* the feature you need comes standard in VMS, but I'm not sure. If you can log into your machine again by giving the DCL command SET HOST 0 (that's a zero), then you can use this next feature. If not, delete the above six lines from the login, but make sure you can modify the files in the captive account from another account, e.g. your own.

What you do is replace the names "FRODO", etc. above with the username(s) of people who can use the account in a non-captive way.

These accounts will be able to do a SET HOST O, log into DBANANAS or whatever you have called it, and get to DCL command level (the dollar prompt).

If you have DECnet, then the "privileged" users you define here will be able to get to DCL level in the DBANANAS account by setting host from any other machine in your DECnet environment, including the VAX that DBANANAS is on.

- 5. You need to edit the LOGOUT.COM file. As shipped, it will NOT automatically log the "captive" user out. This is to enable the installer to customize the files in case DECnet is not available. Find the lines that look like:
  - \$!
    \$! LOGOUT ! Change to "\$ LOGOUT" at end of installation
    \$!

and change "\$! LOGOUT" to read "\$ LOGOUT" at the start of the line.

6. Finally, you are ready to submit the batch job. MAIL-REMINDER will do the "long interval" stuff the very first time, so you want to submit it with the /AFTER qualifier for the time and/or date you want it to start. For example, suppose today is Thursday October 11 and you have set the short interval as one day, the long one as seven, and want to have the reminder sent to users every monday at 1:00 AM. The command to do this will look like:

SUBMIT/AFTER="+4-01:00"/NOPRINT MAIL-REMINDER.COM

One detail you may want to know is that MAIL-REMINDER will resubmit itself on the hour; it checks what time it is when it starts up, sets the minutes to zero and uses this time plus the short interval when re-submitting itself.

#### CHECKING ON PROGRESS

One way of checking on the progress of the facility is to see if it sends the reminder messages every long interval (i.e., put yourself on the distribution list). If it keeps cranking them out, all is probably well. If something goes amiss, you should look at the log files. The log file from the batch job will have the same name as the MAIL-REMINDER command file and file type .LOG, and a maximum of two copies are kept. You should look at the last log file and check for errors. It helps to be literate in VAX DCL when doing this, or having someone who is look over your shoulder.

If you do encounter significant problems, please try to ensure that you have done everything in the installation instructions above correctly. Then, if you still can't see the cause of the problem, have someone who is a VMS/DCL expert at your site look at this document, the MAIL-REMINDER.DOC file, and the steps you took to install it. Finally, if all else fails, send an e-mail message to the author with DETAILS, and an attempt will be made to diagnose the problem and suggest a solution. This is NOT an offer of support, merely a request to report genuine problems to the author so the software can be improved.

## APPENDIX A -- VAX UAF example

The following is a typical VAX UAF settings for the captive account that MAIL-REMINDER should be run from. It is similar to what is used at NRAO. You should get your system manager to review this before setting up the captive account.

Username: DBANANAS Owner: AIPS Banana Peeler Account: SOFTWARE [NNN, MMM] ([SOFTWARE, DBANANAS]) UIC: CLI: DCI. Tables: Default: DISK\$RES:[DBANANAS] LGICMD: Login Flags: Disctly Defcli Captive Diswelcome Disreport Lockpwd Primary days: Mon Tue Wed Thu Fri Sat Sun Secondary days: No access restrictions Expiration: (none) Pwdminimum: O Login Fails: 0 Pwdlifetime: (none) Pwdchange: (none) Last Login: 7-OCT-1987 09:59 (interactive). 9-OCT-1987 01:00 (non-interactive) Maxjobs: O Fillm: 20 Bytlm: 8192 Maxacctjobs: O Shrfillm: O BIOlm: O Pbytlm: 18 JTquota: 0 Maxdetach: 1024 Prclm: 2 DIOlm: 18 WSdef: 150 24 WSquo: 10 WSextent: 30 Pgflquo: Prio: 4 AST1m: 300 Queprio: O TQElm: 1024 CPU: (none) Englm: 10000 Authorized Privileges: TMPMBX NETMBX Default Privileges: TMPMBX NETMBX

### APPENDIX B: VMS/DCL COMMAND FILES

The following files are included here, separated by form feeds:

- 1. MAIL-REMINDER.COM, the main command procedure;
- 2. LOGIN.COM, the interactive/batch login procedure;
- 3. LOGOUT.COM, used for logging out;
- 4. REMINDER.DIS, a sample distribution list of usernames;
- 5. NOTICE.TXT, a sample login notice.

\$! \$! MAIL-REMINDER Utility to remind people of new mail on exploder systems \$! \$! Overview: This procedure is intended to be run in batch mode. \$! ----- It makes the ASSUMPTION that you have set aside the VMS \$! MAIL part of an account - or preferably a captive account - to receive messages from somewhere. The most frequent use of such \$! \$! a captive account is to serve as a bulletin board, such as for \$! the NRAO'S AIPS/BANANA electronic mail bulletins. This command \$! procedure is a "perpetual" one in that it resubmits itself for \$! sometime in the future. \$! \$! What you would like to do, then, is have an automatic way of \$! filing incoming messages away, say in a file separate from the \$! main MAIL.MAI, perhaps in a different folder, or maybe both. \$! This procedure will not only take care of that, but it will \$! also periodically shoot out a VMS mail message to specified users reminding them of new messages since the last time the \$! \$! procedure was run. This reminder contains a list of the mail \$ ! messages similar to what you get from the VMS MAIL'S DIRECTORY \$! command. \$! \$! Implementation: You need to specify the following pieces of ----- information: \$! \$! \$! (1) a short interval in days, e.g. "+1-" for one day; \$! (2) a mail file, if other than MAIL.MAI, and folder; \$! if given, it will automatically file new mail there; \$! otherwise it just files it in folder MAIL; \$! (3) a second interval, e.g. 7 days, when it will shoot out a \$! summary of mail in the file/folder to a distribution list; \$! This MUST be a multiple of the short interval; and \$! (4) a distribution list for the summary messages. \$1 \$! With this information, the system will do two things. First, every \$! short interval, it will scan for new mail in the account it is \$! running under, and if there is any, it will select it and file it in \$! the MAIL or other specified file/folder. Secondly, every long \$! interval, it selects the MAIL or other specified file/folder, and \$! produces a summary (via the DIRECTORY command of VMS MAIL) of all \$! messages in it that arrived in the previous long interval. It then \$! sends this summary to the people on the distribution list. The distribution list is expected to contain ONE name per line. \$! \$! Blank lines and comments (delimiter "!") are permitted in it. \$! \$! Restrictions: The recommended short period is one day; the long \$! ----- period is specified as an integer multiple of short periods. The suggested (and default) values for these periods are \$! \$! 1 day and 7 days, respectively. If changing these, be sure that \$! the short interval is specified in VMS DELTA time and in DAYS \$! only, i.e. "+n-" where n is the number of days; the procedure \$! combines it with an absolute time and also performs arithmetic on \$! it. The long interval must always be an integer (not a string). \$! This procedure automatically resubmits itself in the default \$! batch queue with the /AFTER qualifier and the time specified is \$! on the hour prior to the current time found at procedure start. \$! In other words, if you submit the job at 7:45 AM with a short \$! period of one day, it will be resubmitted for 7:00 AM the \$! following day.

\$ ! \$! Disclaimers: This procedure is written in VAX/VMS DCL (VMS 4.4). \$! -----\$1 Copyright (C) by Patrick P. Murphy and the National Radio Astronomy Observatory. All rights reserved. \$! \$1 This software is in the public domain and may be freely copied and \$! distributed, provided the copyright and this notice is propagated \$ ! \$! EXACTLY as it appears between the two lines of equal signs. If you have to add comments, please do so after this notice. \$! NRAO and/or Patrick P. Murphy assume NO responsibility for bugs, \$1 errors, and other deficiencies in this code. It is distributed "as \$! is", with NO support. However, if errors are detected, we do ask \$! that we be notified of them as soon as possible so we can attempt to \$! rectify them. Suggestions for improvement are also welcome. \$! \$ ! Pat Murphy, National Radio Astronomy Observatory, \$! P.O. Box "O", Socorro, NM 87801, USA. (505) 772-4337 \$ ! \$! SPAN/HEPNET: 6654::PMURPHY \$! Bitnet: PMURPHY@NRAO Arpa/Internet: PMURPHY@NRAO.ARPA uucp: ...seismo!nraol!pmurphy \$ ! \$! Define the parameters needed. \$! If you are going to change the time and/or mail parameters, \$! the following five lines are ALL you should have to change. \$1 \$! \$ Short\_Interval = "+1-" ! Delta time (one day), MUST be in DAYS! \$ LONG\_INTERVAL = 7 ! 7 times short interval \$ Mail\_File = "BANANAS" ! Use "MAIL" for default \$ Mail\_Folder = "BANANAS" ! Use "MAIL" for default \$ Distrib\_List = "BANANAS.DIS" ! List of who to send summary to \$! \$! Set the Delete command - interactive is assumed to be debugging mode \$! \$ Delete = "Delete/NoConfirm/NoLog" \$ if f\$mode() .eqs. "INTERACTIVE" then Delete = "! Don't delete " \$! \$! (note that VMS MAIL behaves differently in batch and interactive modes!) \$ ! Resubmit this thing for whenever ("When" MUST be in quotes) \$! \$! \$ Set NoOn \$ Set Message/Facility/ID/Severity/Text \$ Start\_Time = f\$extract(ll, 3, f\$cvtime()) + "00" ! on the hour only \$ When = Start\_Time + Short\_Interval \$ ThisProc = f\$environment("Procedure") \$ MyName = f\$parse(ThisProc,,,"Name") ! Get rid of version# in filespec \$ MyType = f\$parse(ThisProc,,,"Type") ! so new versions get used \$ ThisProc = f\$parse(ThisProc,,,"Device") + f\$parse(ThisProc,,,"Directory") + Myname \$ Purge 'ThisProc'.log/keep=2 \$ Submit/Log='ThisProc'.log/After="''When'"/NoPrint 'ThisProc''MyType' \$! \$1 Read the "Number of Short Intervals" file and increment it **\$**! \$ ShortIntFile = MyName + ".Int" \$ If f\$search(ShortIntFile) .nes. "" then goto INT\_EXISTS \$ Create 'ShortIntFile' 0

```
$INT EXISTS:
$ Open/Read SIF 'ShortIntFile'
$ Read SIF Number
$ Close SIF
$ Delete 'ShortIntFile':*
                                             ! Get rid of old version
  umber = Number + 1 
$ If Number .gt. Long_Interval then Number = 1
$ Open/Append SIF 'ShortIntFile'
$ Write SIF Number
                                            ! Create new version
                                            ! This way we get standard format
$ Write SIF Number
$ Close SIF
$ Do_Long_Stuff = (Number .eq. 1)
$!
     First, do the stuff that needs done every short interval.
$!
$!
$ Temp_File_Root = "Sys$Scratch:" + MyName
$ Temp_File = Temp_File_Root + ".NewStuff"
$ if f$search(Temp_File) .nes. "" then Delete 'Temp_File';*
$ Define/user sys$output 'temp_file' ! This is a dummy file
$ Mail
                                           ! Start up the VMS mail utility
Show New_Mail_Count
                                           ! See if there is anything new
Exit
                                           ! exit from VMS mail
$!
$! Now get the number of new mail messages from this file
$1
$ Open/read NewMail 'Temp_File'
$ Read NewMail Line
$ Close NewMail
$ Delete 'Temp_File';*
                                     ! so we can see it in the batch log file
$ Write sys$output Line
$ Mail_Count = f$element(2, " ", Line)
$ If Mail_Count .eq. 0 then goto LONG_STUFF
$1
$! There are some new messages so put them in the right file/folder
$! Note that there is no attempt at sorting by subject matter here!
$! That would take a lot more work and is not appropriate for DCL.
$!
    Temp_File = Temp_File_Root + ".Filer"
$
$
    Create 'Temp_File'
$
    Open/Append Filer 'Temp_File'
$
    Write Filer "$ Mail"
$
    Write Filer "Select NewMail"
    Write Filer "File/all " + Mail_folder + " " + Mail_file
Write Filer "Read/New" ! To reset system's
$
$
                                           ! To reset system's mail counter
$
  Write Filer "Exit"
                                           ! - otherwise it gets confused by thi
$ Close Filer
$
   @'Temp_File'
$
    Delete 'Temp_File';*
$!
$LONG_STUFF:
$!
$ If .not. Do_Long_Stuff then EXIT
$!
$! Now do the long-interval stuff: First, get a list of things since last time
$1
$ Temp_File = Temp_File_Root + ".Lister"
$ Temp_File2 = Temp_File_Root + ".Output"
$1
$ NumDays = Long_Interval * f$int(Short_Interval - "+" - "-")
$ If (NumDays .le. 0) then NumDays = Long_Interval
```

```
$ When = f$cvtime("''Start_Time'-''NumDays'-", "Absolute")
$!
$! Create a temporary command file so we can get a MAIL directory listing
$!
$ Create 'Temp_File'
$ Open/Append Lister 'Temp_File'
$ Write Lister "$ Define/User_Mode sys$output " + Temp_File2
$ Write Lister "$ MAIL"
$ Write Lister "Set file " + Mail_File
$ Write Lister "Directory/Since=""''When'"" + Mail_Folder
$ Write Lister "Exit"
$ Close Lister
$ @'Temp_File'
$ Delete 'Temp_File';*
$!
$! Open the temporary file generated and see if there was anything there.
$!
$ If f$search(Temp_File2) .eqs. "" then EXIT ! Nothing else to do.
$!
$ Open/Read Index 'Temp_File2'
$ Read Index Line
$ If Line .nes. "%MAIL-E-NOMSGS, no messages" then goto SOME_MESSAGES
$
    Close Index
$
   Delete 'Temp_File2';*
$
    EXIT
                                                 ! Nothing more to do
$!
$! Now create a message file for distribution
$!
$SOME_MESSAGES:
  Today = f (0, 17, f(0)) 
$ Msg_File = Temp_File_Root + ".Message"
$ Create 'Msg_File'
$ Open/Append Msg 'Msg_File'
$ Write Msg "From ''MyName' at ''Today'"
$ Write Msg "The ''Mail_folder' folder of the ''mail_file' file has " + -
            "new message(s)"
$ Write Msg " - here is a summary:"
$ Write Msg ""
 \text{Num}_{Msgs} = 0 
$ !
$! Loop through the output listing until we hit the end or null line
$! (does batch mail do dir listings by page? If so could be a problem)
$!
$LOOP:
    Read/End=ENDLOOP Index Line
$
    If Line .eqs. "" then goto ENDLOOP
$
    Write Msg Line
$
$
    Num_Msgs = Num_Msgs + 1
$
    Goto LOOP
$ENDLOOP:
$ Write Msg " "
$ |
$! If you define a system-wide logical name pointing at the mail file,
$! you can modify these lines for your system, and uncomment them.
$ !
$! Write Msg "You can access these from any VLA VAX from your OWN account"
$! Write Msg "by entering MAIL and typing SET FILE BANANA_MAIL."
$ !
$ Close Msg
$ Close Index
```

```
$ Delete 'Temp_File2';*
$!
$! Allow for header and blank line following; then get Number of messages
$!
$ Num_Msgs = Num_Msgs - 2
$ If Num_Msgs .le. 0 then Delete 'Msg_File';*
$ If Num_Msgs .le. O then EXIT
$!
$ Banner = Mail_Folder + " bulletin - " + f$string(Num_Msgs) + " new "
$ If Num_Msgs .eq. 1 then Banner = Banner + "message"
$ If Num_Msgs .ne. 1 then Banner = Banner + "messages"
$!
$! We Now have the message file. Get the disrtibution file
$!
$ If f$search(Distrib_List) .eqs. "" then EXIT ! no-one cares.....
$ Open/Read Dist 'Distrib_List'
$!
$! Read through the distribution list one name at a time.
                                                            I know, I
$! could easily ship the whole thing to MAIL, but I prefer to keep on
$! going if one or more names fail (node down or whatever).
$!
$DIST LOOP:
$
   Read/End=ENDISTLOOP Dist UserName
   UserName = f$edit(UserName, "Trim, Collapse, UnComment, UpCase")
$
   if UserName .eqs. "" then goto DIST_LOOP
$
$
      Set NoOn
      Mail/Subject="''banner'" 'Msg_File' 'UserName'
$
$
      Goto DIST_LOOP
$ENDISTLOOP:
$ Close Dist
$ Delete 'Msg_File';*
$ EXIT
```

```
$! LOGIN.COM file for MAIL-REMINDER utility captive account
$!
$! Customize by modifying the next three command lines:
$!
$ LOCAL_MAIL_DIRECTORY == "DISK$RES:[DBANANAS.MAIL]" ! Keep mail files here
$ MAIL PROTECTION == "(GROUP:RW, WORLD:RW)" ! Who can access them
$ MAIL_PROTECTION
$ SET_TERMINAL_COMMAND == "Set Terminal /Inquire /Line_Editing" ! DEC termina
$1
$! End of user-customizable section.
$!
               then goto ENDIT
$ On ERROR
$ On CONTROL_Y then goto ENDIF
                     "BATCH" then
                                         goto BATCH
$ If f$Mode() .eqs.
$ If f$Mode() .nes. "INTERACTIVE" then goto ENDIT ! Don't allow network acce
$ Set NoOn
$ 'SET TERMINAL_COMMAND'
$!
$ On ERROR then goto ENDIT
$ !
$! Type out the login notice, if any.
$!
$ If f$Search("Notice.txt") .nes. "" then Type Notice.txt
$!
$! See if a privileged user is remoted in. You should replace the names
$! below with suitable usernames that you trust (like your own). If you
$! don't have DECNET (try SET HOST O; if it doesn't work, you don't),
$! you will have to remove these lines down to but not including the
$! line "$CAPTIVE:".
$ !
$ Remote_user = f$trnlnm("SYS$REM_ID", "LNM$JOB")
$ If Remote_user .eqs. "" then goto CAPTIVE
                          "FRODO"
                                     then goto EXIT
    If Remote_user .eqs.
$
    If Remote_user .eqs. "BILBO"
                                     then goto EXIT
$
    If Remote_user .eqs. "GANDALF" then goto EXIT
$
    If Remote_user .eqs. "ARAGON"
                                     then goto EXIT
$
$!
$CAPTIVE:
$ Define/User_Mode Sys$Input Sys$Command
$ Mail
$ Set Protection='MAIL_PROTECTION' 'LOCAL_MAIL_DIRECTORY'*.mai;*,mail$*.*;*
$ Purge
$ENDIT:
$ @Sys$Login:logout
$BATCH:
$ !
$! Come here for batch jobs, i.e. maintenance, daemons, etc.
$!
$ Set NoOn
$ Set Protection='MAIL_PROTECTION' 'LOCAL_MAIL_DIRECTORY'*.mai;*,mail$*.*;*
$ Exit
$EXIT:
$ Set Control=(T,Y)
$ Write Sys$Output "You are a privileged user; do what you will."
$ Lo*gout :== @Sys$Login:logout
 $ Exit
$1
$! End of LOGIN.COM
```

```
$! LOGOUT.COM - logout procedure for MAIL-REMINDER
$!
$ Where = f$Environment("Default")
$ Set Default 'LOCAL_MAIL_DIRECTORY'
$ Set protection='MAIL_PROTECTION' *.mai;*,mail$*.*;*
$ PURGE
$ Set Default 'Where'
$ if f$getjpi("", "PrcCnt") .ne. 0 then goto SUBS
$ LO*gout := LOGOUT ! avoid calling this procedure repeatedly!
$!
$! LOGOUT
                           ! Change to "$ LOGOUT" at end of installation
$!
$SUBS:
$ write sys$Output "*** You still have sub-processes active! ***"
$ EXIT
$!
$! End of LOGOUT.COM
```

! REMINDER.DIS - distribution list for MAIL-REMINDER utility.

! This file lists the people who will get reminders of what is new in BANANA ! mail for the previous week. It is NOT the list of BANANA mail receivers. ! At the VLA, BANANA mail only goes to the DBANANAS account and people can ! access the banana mail file/folder whenever they want.

! The following are not real accounts (at least not at the VLA!) They ! are shown only for illustration purposes

SHIRE::BILBO! DECnet example; BILBO has account on remote nodeFRODO! but FRODO is on the local machine.ST%"Gandalf"! You can use this if software tools mail is available

EXOS%"FooBear@Shire.MidEarth.Fict" ! Excelan software example

ARAGON USER1 USER2

1

! End of BANANAS.DIS

I BANANAS BANANAS BANANAS BANANAS BANANAS BANANAS BANANAS BANANAS BANANAS! I F I This is the captive DBANANAS (Distributed Bananas) account. To read the I | Banana mail (Broadcast AIPS News And Network Address System), just do 1 MAIL > SET FILE BANANAS 1 to get banana messages; then any of: | MAIL> DIR for a list of messages and 1 1 MAIL> READ n 1 to read message number "n". 1 MAIL> READ/NEW 1 will get any new messages. 1 1 | Problems? Questions? Contact Pat Murphy (VLA) or Don Wells (C'ville) |