

Securing OFFICE-1

If we're at all concerned about insuring that only authorized users gain access to OFFICE-1, we'd do well to adopt a different strategy than that of assigning the password 'ARPA' to every single NIC directory. If I were guessing at passwords, that's the very first one I'd try.

1

Securing OFFICE-1

(J22459) 22-MAR-74 13:07; Title: Author(s): James E. (Jim)
White/JEW; Distribution: /JCN MDK JDH; Sub-Collections: SRI-ARC; Clerk:
JEW;

test for gripe

Message:

test

1

2

3

test for gripe

(J22460) 22-MAR-74 17:21; Title: Author(s): Jerry D. Burchfiel, Clayton A. Greer, Mil E. Jernigan, Harvey G. Lehtman, Craig Fields, John D. Day, Robert H. Thomas, Alan R. Hill, Abhay K. Bhushan, Robert P. Blanc, Barbara Noble, Leroy (Lee) C. Richardson, Frank G. Brignoli, Elizabeth J. (Jake) Feinler, Michael D. Kudlick, James E. (Jim) White, Michael A. Padlipsky, Kenneth L. Bowles, A. Wayne Hathaway, Jean Iseli, David H. Crocker, Nancy J. Neigus, Stephen M. Wolfe, Ronald M. Stoughton, Jim O. Calvin/USING ; Distribution: / NGRP; Sub-Collections: USING; Clerk: USING;

test

Message:

test of sggestion

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test

(J22461) 22-MAR-74 17:23; Title: Author(s): Jerry D. Burchfiel, Clayton A. Greer, Mil E. Jernigan, Harvey G. Lehtman, Craig Fields, John D. Day, Robert H. Thomas, Alan R. Hill, Abhay K. Bhushan, Robert P. Blanc, Barbara Noble, Leroy (Lee) C. Richardson, Frank G. Brignoli, Elizabeth J. (Jake) Feinler, Michael D. Kudlick, James E. (Jim) White, Michael A. Padlipsky, Kenneth L. Bowles, A. Wayne Hathaway, Jean Iseli, David H. Crocker, Nancy J. Neigus, Stephen M. Wolfe, Ronald M. Stoughton, Jim O. Calvin/USING ; Distribution: / NCMT; Sub-Collections: USING; Clerk: USING;

DCE 22-MAR-74 17:47 22462

On-line reference files, cf. MDK's 22448

Attention: MDK, KW Architects, Jim Norton

On-line reference files, cf. MDK's 22448

Mike: Your points seem valid. 1

Jim Norton: I still expect a position statement from Operations. 2

KW Architects: I'd also think that you might be interested in giving some thought to the allocatmon of storage resource to group-usage reference materials. 3

History: 4

Mike's study and recommendations from Jan 73: (mjournal,13820,) 4a

Mikes's recent direct proest re deleting certain reference files when there is a pinch on disk space (22426,) 4b

My general support to Mike, and request for JCN (representing Operation) for a position statement. (JJOURNAL, 22439,) 4c

Mike's elaboration, with recommendations and arguments. (JJOURNAL, 22448, 1:w) 4d

DCE 22-MAR-74 17:47 22462

On-line reference files, cf, MDK's 22448

(J22462) 22-MAR-74 17:47; Title: Author(s): Douglas C. Engelbart/DCE
; Distribution: /jcn mdk kwac ; Sub=Collections: SRI-ARC KWAC; Clerk:
DCE ;

<JJOURNAL>22472.NLS;1, 25-MAR-74 10:34 XXX ; .HJOURNAL="DVN 25-MAR-74 10:04 22472"; Title: .H1="DEIS Catalog Production: Progress, Problems, and a Proposal"; Author(s): Dirk H. Van Nouhuys/DVN; Distribution: /JCN BAH JBN JHB JAKE MEJ PGK ECW RAS DRB OWW NDM; Sub-Collections: DEIS DPCS SRI-ARC NIC; Clerk: DVN; .IGD=0; .SNF=HJRM; .RM=HJRM-7; .PN=-1; .YBS=1; .PES;
Origin: (VANNOUHUYS, CATPROP.NLS;4,), 25-MAR-74 09:58 DVN ;

DRAFT Proposed Catalogue System for the SRI EPAC What We've Done

We have established a subcollection within the ARC journal which will mark off all documents related to the SRI energy project. The name of the subcollection is DEIS.

(For an explanation of subcollections
see--userguides,journal-guide,3il)

DEIS is also a group with Jim Norton as co-ordinator for the moment. This function should go to someone in EPAC as training permits.

(For an explanation of groups
see--userguides,journal-guide,2f4c)

Meanwhile Mil Jernigan has prepared catalog citations (jernigan,cit-deismar74,) for about 20 hard copy items she received from Dave Brown or Oliver Whitby.

In making the citations, Mil varied in smoe smlal ways from her normal practice in making citations of hardcopy fo ARC (journal, 22125,).

For five citations of hardcopy items and two journa items Mil and Beau then made:

- a file giving basic information in readable form and in order of aquisition number (a number listing) (jernigan,deislist,);
- a titleword index (cat,nictincfl-5mar74-1847,);
- a separate keyword index (cat,nickincfl-5mar74-1857,) listing keywords for each item;
- and (a first for the catalog system) an organization index (cat,nicoincfl-5mar74-1851,).

This sample catalog was made at ARC, but future work will have to go on OFFICE-1.

We agreed that in future catalogs, the keyword index will be part of the titleword index. Journal items and offline hard copy will be cataloged together.

Immediate Problems

We will need the catalog making programs on Office-1. They will need a directory of about 1000 pages. (jjournal,22125,)

We will need a procedure for making DEIS Journal items available in hard copy at the EPAC's. I propose Eileen make a practice of printing two copies on the ARC line printer via FTP, and mailing one in the pouch to Washington. She and Rita (?) could then both keep nice copies in a binder with the indexes.

Problems a Little Further Off

Mil customarily prints copies of citations of documents and pastes them on cards for cardindex purposes. A second such index would be useful in the EPAC, if the documents were mostly there and some one (Eileen?) felt in charge of them.

Organization indexes suffer from serious problems with synonyms. Is IBM "IBM" or "Internatioal Bussines Machines"? etc. etc. Jeanne

use org. authority list

North has promised to set up procedures in the DEIS collection for controlling the names used for organizations.

Long Term Needs

Beau should train some one in the SRI energy group (Eileen?) to run the catalog programs, and eventually Mil should teach someone to make the citations.

As they grow, keyword indexes suffer from synonym problems even worse than do organization indexes. Large databases usually use some kind of thesaurus, either in the hand of the user or for reference in the system. ARC has been working on a thesaurus on the back burner for a long time. We do not make keywords part of our titleword index for this reason.

Proposal

If elicits no further suggestions and if the catalog programs become available at Office-1, we will try to have a catalog as described in (2f) available 3/29 and every 2 weeks thereafter.

ASCII TEXT FILE OF HOSTNAMES

RFC 627
NIC 22360

Mike Kudlick
Jake Feinler
SRI-ARC
March 25, 1974

1
2

ASCII TEXT FILE OF HOSTNAMES

The online ASCII text file of official hostnames as defined in RFCs 606 and 608 is now available at OFFICE-1 (Hostaddr, 43 decimal) with pathname <NETINFO>HOSTS.TXT. Currently the file includes hostname, host address, and host status. We hope to be adding additional attributes soon. This file will be maintained by the NIC, and all hosts are encouraged to use these hostnames in their monitors. Changes or additions will be added on a weekly basis. Each network host will be responsible for accessing this file via FTP for new information.

3

Presently no nicknames are included in this file. However, if any site wants to register one official nickname, it may do so. Nicknames will be added to the <NETINFO>HOSTS.TXT file as they are received, and systems with name-to-address translation are encouraged, but not required, to use them.

4

Although hostname changes and nicknames are perfectly valid in principle, as a practical consideration we would like to ask hosts to choose their official hostnames carefully, so that changes and nicknames can be kept to a minimum.

5

If you have changes, additions, corrections, or comments please direct them to:

6

Jake Feinler
Network Information Center
Stanford Research Institute
Menlo Park, Calif, 94025

(415) 329-0742
Feinler@SRI-ARC
IDENT=JAKE

6a

If any host wishes to maintain a secondary copy of this database (See RFCs 623 and 625) please let us know.

7

ASCII TEXT FILE OF HOSTNAMES

(J22483) 25-MAR-74 17:03; Title: Author(s): Elizabeth J. (Jake)
Feinler/JAKE; Distribution: /MLK; Sub-Collections: SRI-ARC; Clerk: JAKE;
Origin: <FEINLER>HOSTS.TXT-RFC;6, 25-MAR-74 16:20 JAKE ;

NDM 26-MAR-74 12:52 22484

SENDMAIL problems

oSNDSMSG can't send to you, maybe cause you're over allocation?

SENDMAIL problems

Can't send you a message, FTPFRK arguments thing came up again.
Saved sequential file as <MEYER>BAD.TXT. Link or call or something.
Would like to announce this stuff to humanity when this gets
corrected. Thanks, --Dean

1

NDM 26-MAR-74 12:52 22484

SENDMAIL problems

(J22484) 26-MAR-74 12:52; Title: Author(s): N. Dean Meyer/NDM;
Distribution: /JEW; Sub-Collections: SRI-ARC; Clerk: NDM;

FNK or UCLA-NMC@BBN-TENEX

I sent you a message earlier, but lest it didn't get through -- here is a journal message regarding same. Farouk N. Kamoun of UCLA-NMC wants to join INWG. Let me know if he can. His phone number is: (213) 825-2235 or 2368.

Thanks,
Marcia

MLK 26-MAR-74 14:09 22485

FNK or UCLA-NMC@BBN-TENEX

(J22485) 26-MAR-74 14:09; Title: Author(s): Marcia Lynn Keeney/MLK;
Distribution: /VGC; Sub-Collections: SRI-ARC; Clerk: MLK;

Wish list

obsoletes 22463

Wish list

Now that filters delimited by semicolons ;filter; are defined as viewspecs in the definition of a link or an address, ;filter; should be a valid viewspec whenever the V: prompt appears. It seems the @@o combination (two left buttons down) on the mouse would then be appropriate for entering numbers and other special characters to specify filters.

1

A Break Branch command should work differently from the break statement command. It should put the original substructure under the new statement instead of under the original statement.

2

Break Group and Break Plex commands should break at every <EOL> in statements at the current level ignoring substructure and viewspecs.

3

Transpose window command.

4

Jump to line command.

If we eliminated LINK as a command word as proposed in (JJOURNAL, 22236, 1:w) there would be no conflict.

5

KIRK 26-MAR-74 16:32 22486

Wish list

(J22486) 26-MAR-74 16:32; Title: Author(s): Kirk E, Kelley/KIRK;
Distribution: /NEWNLS; Sub-Collections: SRI-ARC NEWNLS; Clerk: KIRK;

Rough Line Processor User Manual

Dirk, This is a start on a Line Processor User Manual. I hope it will not exceed 2-3 pages. You and Dean can organize it to suit a new LP user's point of view... Currently in (andrews,usermanual) - there must be a better place for it...

Setup Procedure

When first setting up a display and line processor, perform these steps:

plug display into "DI" port of Line processor

Set display baud rate at 9600 baud

Set Line Processor "DI" speed to 9600 baud

Set display to full duplex (or echo plex)

Connect main computer line to "EP" port on Line Processor

Set the "EP" baud rate switches to the correct setting -- to match modem or TIP connection speeds

Connect printer (if you have one) to "CP" port on Line Processor and set speed to correct value

Connect mouse and keyset to Line Processor

Startup Procedure

Turn power on to display

Turn the display to "online" or "receive" mode

Turn all sense switches down

Turn power on to the Line Processor

At this point, the display's cursor should track the mouse movement. If it does not, check to see if everything was setup right.

Turn on modem or whatever to activate main computer connection

The workstation should now function as a teletype simulator, with the exception of special key translation...

The receive error light is not probably on, so turn it off by hitting the receive error reset button.

1

2

2a

2a1

2a2

2a3

2a4

2a5

2a6

2a7

2a8

3

3a

3b

3c

3d

3e

3f

3g

3h

Rough Line Processor User Manual

Modes of operation	4
<p>The Line Processor is either in "teletype" mode in which case the mouse buttons are inactive, or it is in "coordinate" mode in which case mouse buttons are active. One switches from one mode to another by setting terminal type. Terminal type Lineprocessor causes the Line Processor to enter coordinate mode; any other type causes it to enter teletype mode.</p>	
Special key translation	5
<p>Because of the use of special keys in NLS (e.g. CA, CD etc.) some keys on the keyboard are translated by the Line Processor into these special function codes. This depends on the display type:</p>	
Delta Data	5a1
RTBNTT is changed to CA	5a1a
back quote is changed to BC	5a1b
left brace is changed to BW	5a1c
right brace is changed to CDOT	5a1d
vertical bar is changed to CD	5a1e
NOT symbol is changed to RUBOUT	5a1f
Sense switch settings	6
<p>Putting sense switch 0 up stops printer output (for changing paper, etc.)</p>	
<p>Putting sense switch 3 up inhibits special key translation.</p>	
<p>switches 1 and 2 are not used.</p>	
Status light meanings	7
<p>Light 0 means the printer is "open"</p>	
<p>Light 1 means the Line Processor is "alive"</p>	
<p>Light 2 is not used (3/26/74)</p>	
<p>Light 3 means the Line Processor is in "coordinate" mode</p>	
Operation	8

Rough Line Processor User Manual

After getting to the main computer, use the terminal type command and set your terminal type to Lineprocessor. At this point status light 3 should go from off to on. You may now enter NLS, etc.

8a

Sense switch settings may be changed at any time to get the desired result (e.g. to change special key translation)

8b

The receive error light indicates a hardware transmission error or an overrun error. Hit the receive error reset button to turn it off. This light should not come on, but very occasional errors are possible. Frequent errors indicate hardware failure or incorrect setup.

8c

The system reset button should not normally be used. It resets the Line Processor to a "power up" state.

8d

Printer operation

9

The printer port (copy printer) is designed to obtain a hard copy in parallel with normal workstation use. The printer functions are rather primitive at this time (3/26/74). It is used in the following way:

9a

Run the NLS user program LPPRINT to copy a text file to the printer device. You may not use the terminal for anything until the printing is finished. You may terminate the printing by typing CD at any time.

9a1

In the near future you will be able to print a file and use NLS at the same time. In the more distant future you will be able to print a file and do anything at the same time, even logout and go away.

9b

Special Notes

10

In the current implimentation (3/26/74) avoid the following things:

10a

Typing interrupt characters such as ^T and ^C while the display is being painted (i.e. while the mouse is not being tracked). This will mess up the screen == bug selections will be in error.

10a1

Vertical split screen

10a2

Hardware Checkout

11

A two-PROM hardware test program is available from SRI-ARC for testing Line Processors. Operating instructions are included. A

Rough Line Processor User Manual

sequence of simple tests are provided to check out each aspect of the Line Processor and connected devices.

11a

Rough Line Processor User Manual

(J22487) 26-MAR-74 14:41; Title: Author(s): Don I. Andrews/DIA;
Distribution: /DVN NDM CHI; Sub-Collections: SRI-ARC; Clerk: DIA;
Origin: (ANDREWS, USERMANUAL,NLS;3,), 26-MAR-74 14:37 DIA ;

xnls: change to the way backspace word works for literal typein

the next version of xnls will not do a backspace visible for
backspace word for literal typein, but will back over any number of
not letters or digits followed by any number of letters or digits (
\$NLD \$LD)

xnls: change to the way backspace word works for literal typein

(J22488) 26-MAR-74 15:12; Title: Author(s): Kenneth E. (Ken)
Victor/KEV; Distribution: /NPG DIRT; Sub-Collections: SRI-ARC NPG DIRT;
Clerk: KEV;

L: problems

obsoletes 22464

L: problems

All of the STRUCTURE commands prompt L: where they should be prompting L:/OK:.

1

The Insert STRUCTURE command prompts L: where it should prompt L:/T:/B:/[A:]. It is currently possible at the L: to type <"U> and get the A:, but BUGGING something is not available until after an extra CA is typed. This causes the same user confusion as when all Move and Copy STRUCTURE commands required an extra CA to get out of the LEVEL field before you could CONFIRM. It seems this "Mandatory LEVELADJUST" problem could be solved for the Insert command in the same way it was solved for the Move and Copy commands.

2

L: problems

(J22489) 26-MAR-74 16:38; Title: Author(s): Kirk E. Kelley/KIRK;
Distribution: /NEWNLS; Sub-Collections: SRI-ARC NEWNLS; Clerk: KIRK;

Welcome to the Land of On-Line Delivery

Hi! On-line delivery is working for you. --Jim White

Welcome to the Land of On-Line Delivery

(J22490) 26-MAR-74 16:42; Title: Author(s): James E. (Jim)
White/JEW; Distribution: /DON BRS2; Sub-Collections: SRI-ARC; Clerk:
JEW;

Sendmail problems

obsoletes 22467

Sendmail problems

- The show status command in the Sendmail subsystem doesn't show all the status and leaves the user at ... 1
- There are no first level "r" commands. 2
- The Statement and Plex commands are not available for use. 3
- A comment more than a few (6?) lines long gets the "Exceed Capacity" message. 4
- I find I cannot use CA in the Number command to get the number of the item. 5
- I also find I cannot determine the number of my previous journal item to say that this updates it. 6
- Interrogate in DNLS gets prompting messed up and says "not implemented". 7

KIRK 26-MAR-74 16:51 22491

Sendmail problems

(J22491) 26-MAR-74 16:51; Title: Author(s): Kirk E. Kelley/KIRK;
Distribution: /NEWNLS CHI; Sub-Collections: SRI-ARC NEWNLS; Clerk: KIRK;

KIRK 26-MAR-74 17:07 22492

ECL: Efficient Command Language proposal

This was also sent via the experimental sendmail subsystem. If you receive two, disregard the other one.

ECL: Efficient Command Language proposal

I propose an efficient Command Language be written for those people who are fast learners and need to get the most out of their time while using NLS. It would have the following differences some of which require modification to CML.

1

The verb for every command in the subsystem would be available as an alternative after specifying the noun for any command.

2

CA would equal REPEAT.

2a

The first parameter I: for the move command would not be available.

2b

DNLS Destination SELECTION would remain as B:[A:] instead of being changed to B:/A: as has been suggested.

2c

The filter option would be available with the Insert command. Copy Sequential, Copy Assembler, etc, would be changed back to insert commands, and the copy command would be eliminated.

3

At each command word prompt (C:) a default command word would be automatically recognized by a CA.

4

There would be no dummy command nouns except for: Create File and Logout Job

5

Update File C:/OK: changed to
Update (File / Old / Rename / Compact) OK:

5a

Simulate would not have dummy noun "Terminal".

5b

Institute would not have the dummy noun "program"

5c

Attach would not have the dummy noun "Subsystem"

5d

Split window changed to Horizontally split, and Vertically Split.
(Verify file made second level).

5e

Goto confirmation would be consistent with Execute confirmation (no CA required).

6

The Caseset command would replace the Set Case command.

7

"Move On" command would be implemented.

8

change of nouns in the middle of the Replace, and Move On command is possible with BW over a noise noun and respecification.

9

KIRK 26-MAR-74 17:07 22492

ECL: Efficient Command Language proposal

(J22492) 26-MAR-74 17:07; Title: Author(s): Kirk E. Kelley/KIRK;
Distribution: /DIRT; Sub-Collections: SRI-ARC DIRT; Clerk: KIRK;

response to (18410,) : making tnis more widely available

when we get the new version of nls up and running successfully, we expect to release it to all tenex sites.

response to (18410,) : making tnl's more widely available

(J22493) 26-MAR-74 19:00; Title: Author(s): Kenneth E. (Ken)
Victor/KEV; Distribution: /DHC CHI; Sub-Collections: SRI-ARC; Clerk:
KEV;

Coverage of OFFICE-1 during Jim B's vacation

People should know that for two weeks in April I will be covering OFFICE-1 for Jim Blum. He will be going on vacation from April 4 - April 19. During that time I will be the one to contact concerning monitor problems over there. (Hopefully there won't be too many!!) I'll still be handling the things over here also, so you won't be confused about where system questions should go.

1

WRF 26-MAR-74 22:57 22494

Coverage of OFFICE-1 during Jim B's vacation

(J22494) 26-MAR-74 22:57; Title: Author(s): Ferg R. Ferguson/WRF;
Distribution: /SRI-ARC JIMB; Sub-Collections: SRI-ARC; Clerk: WRF;

document requests and UK Users group

Marcia:

Thanks very much for the recent documents you sent. Could you please send me copies of the following also please?

NIC 7101, NIC 7812, NIC 7813

Thanks,

You may remember some weeks ago my asking about setting up a UK Users group, have you come to any conclusions on that score as yet?

Cheers .. Steve

SRW 27-MAR-74 06:35 22496

document requests and UK Users group

(J22496) 27-MAR-74 06:35; Title: Author(s): Stephen R. Wilbur/SRW;
Distribution: /MLK; Sub=Collections: NIC; Clerk: SRW;

abstract: a command meta language for an nls frontend

this file is the abstract for the talk i will be giving at the
sicgraph/nbs workshop on graphics standards on april 22.

abstract: a command meta language for an nls frontend

Kenneth E. Victor
Stanford Research Institute
Augmentation Research Center (ARC)
Menlo Park, California 94025
326-6200

1

SIGGRAPH/NBS WORKSHOP ON GRAPHICS STANDARDS
GRAPHICS SATELLITE SYSTEMS

2

A COMMAND META LANGUAGE FOR AN NLS FRONTEND

2a

I would like the use of an overhead projector.

3

cc: Dr. A. van Dam, Dr. R. Uzgalis, I. Cotton, J.D. Foley

4

abstract: a command meta language for an nls frontend

A COMMAND META LANGUAGE FOR AN NLS FRONTEND 5

In the first part of the discussion, I will explain ARC's goals, plans, and status, with regard to splitting NLS into two parts: 5a

A frontend to interact with the user, and 5a1

A backend to carry out the commands specified by the user in the frontend. 5a2

In the second part of the discussion, I will go into detail about our concept of a frontend system which centers around a Control Meta Language for the specification of user interactions. 5b

A TWO PART NLS 5c

NLS is evolving into a two part system. The frontend of the system will collect commands from, and in general interact with, the user. The backend of NLS will contain the core execution routines that will perform the commands specified by the frontend. 5c1

We expect the frontend and backend processes of NLS to be subsets of generalized frontend and backend systems which provide tools to users. 5c1a

Some of the benefits we hope to accrue from the split are: 5c2

Frontend and backend processes can be run on separate machines (possibly separated by the ARPA Network); or frontend processes and some or all parts of backend processes can be run on the frontend machine. 5c2a

Users will see an increase in responsiveness. 5c2b

Users will be able to specify commands asynchronously with respect to their execution. 5c2c

The overall cost of a system will be reduced by making more efficient use of any separate backend machines and by reducing network traffic. 5c2d

To accomplish these goals we have outlined a number of tasks, and have recognized a number of problems, to be discussed. 5c3

THE SOFTWARE PART OF A FRONTEND SYSTEM 5d

A frontend system is a logical configuration of terminals and processing capability. 5d1

abstract: a command meta language for an nls frontend

A component of this system is a command processor which always sits between the user and the tools that he uses (some of which might be resident within the frontend, some of which might be accessed through the network, and some of which might be accessed directly in a backend machine).

5d2

(Tools are sets of subsystems, each of which performs a coherent set of functions.)

5d2a

Another component of the frontend system is the user-profile. This is a set of user specific, user settable attributes that modify (among other things) how the user will interact with the command processor.

5d3

Other components of the frontend system may include a Network Graphics Protocol package, low level device handlers, a file system, etc.

5d4

For specifying subsystem user interfaces (command languages, prompting, help facilities, etc.) we have developed a Control Meta Language (CML).

5d5

The user interface is specified in CML and then compiled by the CML compiler (which was written using TREE-META, a meta compiler). The object code produced by the CML compiler is a tree structured grammar that can then be parsed by a control language interpreter.

5d5a

By using CML in conjunction with a user-profile, we are able to present a consistent, but individually tailored, interface to users.

5d5b

ACKNOWLEDGMENTS

5e

Most of the work reported here was developed jointly by, and grew out of discussions with Charles Irby, Don Wallace, Don Andrews, and Chuck Dornbush. The CML compiler and the control language interpreter were implemented by Chuck Dornbush.

5e1

abstract: a command meta language for an nls frontend

(J22497) 27-MAR-74 07:29; Title: Author(s): Kenneth E. (Ken)
Victor/KEV; Distribution: /SRI-ARC; Sub-Collections: SRI-ARC; Clerk:
KEV;
Origin: (VICTOR, ABSTRACT,NLS;2,), 21-MAR-74 23:21 KEV ;

MDK 27-MAR-74 08:09 22498

stuff

thought you might be interested in this msg from network feedback.

stuff

(J30293) 26-MAR-74 11:51; Title: Author(s): David H. Crocker/DHC;
Distribution: /FEEDBACK NJN MDK JAKE; Sub-Collections: NIC FEEDBACK;
Clerk: DHC;

Some feedback on Feedback idents

Jean -- I do not understand why Netcomment and Netgripe are Unacceptable as idents. I am not aware of length limitations for signons.

At any rate, I think that the approach ARC has taken is best: Create a good mnemonic ident and have that be a group ident. Have the appropriate people be members, as well as some other ident (e.g., the ones you have already chosen (ncmt)) as the central collecting point for that category of mail. That is, Netcomment is the entry point for such mail. It is then distributed to the appropriate people and to Ncmt (in <USING>).

I believe NCMT and NGRP are wholly unacceptable as idents to be used by humans; and contrary to your current assumption, the idents WILL be used by humans, unless you are planning to LIMIT comments and gripes to only those sent thru your special tools.

The special tools are great. We need them. But there are other mechanisms for sending mail and we should try to fit within them.

Dave,

stuff

(J22498) 27-MAR-74 08:09; Title: Author(s): Michael D. Kudlick/MDK;
Distribution: /FEED; Sub-Collections: SRI-ARC; Clerk: MDK;

HELP Program by DCW for MDK

```

; to change "defaults" edit table 1
; to assemble; 2
; Output Assembler No change to <KUDLICK>HELP,MAC 3
; Goto Exec<ca> 4
; @macro<cr> 5
; *xx_help<cr> 6
; **assembler bullshit** like no errors etc,, 7
; *loader!<cr> 8
; */sxx<alt> 9
; ** loader bullshit** 10
; @ssa 0 777 filename,sav<cr><cr> 11
; @del xx,rel<cr> ;your done!! 12
; AC ASSIGNMENTS 13
search stenex 13a
a=1 13b
b=2 13c
c=3 13d
d=4 13e
e=5 13f
i=6 13g
g=7 13h
aa=11 13i
bb=12 13j

```

HELP Program by DCW for MDK

```

cc=13                                     13k
dd=14                                     13l
f=0                                       13m
ch=10                                     13n
p=17           ;push down list pointer   13o
; misc, stuff                             14
tab==11                                    14a
cr==37                                     14b
ctrlf==6                                   14c
ctrlr==22                                  14d
esc==33                                    14e
rubout==177                                14f
percent==45                                14g
; MACROS                                  15
define typen(msg)<                          15a
    hrrzi  a,101                            15a1
    movei  b,cr                              15a2
    bout                                     15a3
    hrroi  b,[asciz \msg\]                  15a4
    setz   c,                                15a5
    sout>                                    15a6
define typec(char)<                          15b
    hrrzi  a,101                            15b1
    movei  b,char                            15b2
    bout>                                    15b3

```


HELP Program by DCW for MDK

```

define typem(msg)<                                     15c
    hrrzi    a,101                                     15c1
    hrroi    b,[asciz \msg\]                           15c2
    setz     c,                                       15c3
    sout>                                           15c4
; CODE                                               16
start:      ;initialize, get "intro" file and type it 16a
    movei    a,100                                     16a1
    rfmmod                                       16a2
    tro      b,17B23                                   16a3
    sfmod                                       16a4
    move     p,[iowd 20,pdl]                           16a5
    movsi    a,100001                                ;old file and string 16a6
    hrroi    b,[asciz /<NIC>INTRO.TXT/]               16a7
    qtjfn                                       16a8
    jrst [hrroi a,[asciz /
    <NIC>INTRO.TXT does not exist??/]               16a8a
    psout                                       16a8b
    haltf]                                       16a8c
    movem    a,filjfn                                ;save for possible error 16a9
    move     b,[xwd 070000,201000] ;7bits read and wait 16a10
    openf                                       16a11
    jrst [move a,filjfn                             16a11a
    rljfn                                       16a11b
    jfcl                                       16a11c

```

```

        hrroi      a,[asciz /
        can not open file <NIC>INTRO.TXT/]          16a11d

        jrst exit]                                  16a11e

movsi   a,100003          ;old and injfn,,outjfn      16a12
movs    b,filjfn         ;get input from help guy    16a13
hrri    b,377777        ;no output file              16a14
gtjfn                                       16a15

        jrst [hrroi a,[asciz /
        invalid file name in file <NIC>INTRO.TXT/]  16a15a

        jrst exit]                                  16a15b

movem   a,hlpjfn        16a16
move    a,filjfn        ;now close the original guy  16a17
closf                                       16a18
jfcl                                         16a19
move    a,hlpjfn        16a20
pushj   p,output        ;go output file to tty       16a21

retry:  ;get file to type                      16b
        caie    q,0          ;should we type "+"      16b1
        jrst   [typen <
        +>                                         16b2

        jrst retry0]                                16b2a

retry0:                                       16c
        setzm   cnfirm      16c1
        setzm   name        16c2
        move    a,[xwd name,name+1]              16c3
        blt    a,name+7    16c4

```

HELP Program by DCW for MDK

```

skipe  b,char          ;skip if no char to echo          16c5
jrst   [movei a,101    16c6
      bout            16c6a
      setzm          char 16c6b
      jrst ,+1]      16c6c
move   a,[point 7,name] 16c7
pushj  p,edit          16c8
jrst   cant           16c9
movei  a,table        ;use defaults 16c10
hrroi  b,name         16c11
gtjfn  16c12

cant:  16d
      jrst [typem < ?> 16d1
      jrst retry] 16d1a

go:    ;got file go type it 16e
movem  a,filjfn      ;save this guy for later 16e1
skipe  cnfirm        ;skip if no confirm nessecary 16e2
jrst   [pbin        16e3
      caie a,37      ;eol? 16e3a
      jrst retry    16e3b
      jrst ,+1]    16e3c
move   a,filjfn     16e4
pushj  p,output     16e5
move   a,filjfn     16e6
closf  16e7

```

HELP Program by DCW for MDK

```

        jfcl                                16e8
        jrst    retry                        16e9
exit:
        psout                                16f1
        reset                                16f2
        haltf                                 16f3
; "EDIT"    inputs and checks for edit characaters    17
; enter with byte pointer in a                    17a
;returns: +1 control-q return(dump line)          17b
;          +2 ok string input                      17c
; exit with updated pointer in a                  17d
edit:
        movem   a,edstr          ;save for pssible ^r    17e1
        move    aa,a             ;set byte pointer from caller 17e2
        hrrzi   a,100            ;primary input          17e3
        rfcoc
        tdz     b,[xwd 140060,3] ;^a, ^f and ^q off for now 17e5
        tlz     c,600000         ;and ^r too            17e6
        hrri    c,53000          ;dont echo esc(altmode) 17e7
        hrrzi   a,100            17e8
        sfcoc
        setz    e,                17e10
edita:
        hrrzi   a,100            ;primary input          17f1
        bin
        ;get a character                17f2

```

HELP Program by DCW for MDK

```

cain    b,1           ;is it "a"                17f3
jrst    edit1         ;go process "a"           17f4
cain    b,21          ;is it "q (flush line)"   17f5
jrst    [typec "_"    17f6
        movei        b,tab                       17f6a
        bout                               17f6b
        popj p,0]                               17f6c
cain    b,rubout      ;if rubout ,cleanup and go to cmd level 17f7
jrst    [typem < xxx> 17f8
        popj p,0]                               17f8a
cain    b,ctrlr      ;if control-r retype all    17f9
jrst    [push  p,aa   ;save pointer             17f10
        setz c,                               17f10a
        idpb c,aa   ;make it asciz             17f10b
        typec      cr      ;cr 1st            17f10c
        move b,edstr ;get save string pointer   17f10d
        sout                               17f10e
        pop  p,aa   ;get pointer back          17f10f
        jrst edita] ;and continue              17f10g
aof     e,           ;keep track of char count  17f11
cain    b,ctrlf      ;ctrlf exit also          17f12
jrst    editb        17f13
cain    b,cr         ;exit on cr               17f14
jrst    editb        17f15
cain    b,esc        ;escape also             17f16

```

HELP Program by DCW for MDK

```

    jrst    [setom cnfirm          ;say require confirmation      17f17
    jrst editb]                               17f17a
    caile   b,140          ;skip if not lower case          17f18
    subi    b,40          ;raise for internal              17f19
    idpb    b,aa          ;save byte in string              17f20
    jrst    edita        ;get next char                    17f21
editb:
    move    a,aa          ;save byte pointer for exit      17g1
    idpb    b,aa          ;store terminating char          17g2
    setz    b,
            idpb    c,aa          ;make it asciz also      17g3
    aos     (p)           17g4
    popj    p,0          ;return to caller                 17g5
edit1:
    skipg   e            ;skip if any to delete           17h1
    jrst    edit2        ;go type bell and exit          17h2
    typec   "\"          ;type back slash              17h3
    ldb     b,aa          ;get last char                  17h4
    hrrzi   a,101        ;primary output                  17h5
    bout    ;echo it                                       17h6
    soj     e,           ;dec count                        17h7
    add     aa,[7b5]      17h8
    tline   aa,40b23     ;this fails for b=1              17h9
    sub     aa,[43b5+1]  17h10
    jrst    edita        ;go get next byte                17h11

```

HELP Program by DCW for MDK

```

edit2:                                     17i
    typec  ""                               ;type bell          17i1
    jrst   edita                             ;and return          17i2
edstr:                                     17j
    0      ;temp string pointer for "r function          17j1
                                                17j2
: "NTTPUT" output file n lines at a time          18
; at entry a/ jfn of file                        18a
output:                                         18b
    push  p,a                               ;save for error      18b1
    move  b,[xwd 070000,201000]             ;7bits read and wait 18b2
    openf                                         18b3
        jrst [pop  p,a                       18b3a
            rljfn                             18b3b
            jfcl                               18b3c
            hrroi  a,[asciz /  can not open file?? /] 18b3d
            popj  p,0]                         18b3e
outpt0:                                       18c
    typec  cr                               ;space one line before output begins 18c1
    movsi  c,"d22                            ;twnty-two lines    18c2
    movei  g,1                                18c3
outpt1:                                       18d
    move  a,0(p)                              ;get input jfn      18d1
    bin                                       18d2
    jumpe  b,outpt2                           ;exit on null (eof) 18d3

```

HELP Program by DCW for MDK

```

cain    b,percent      ;stop printing if percent (special
signal)
18d4

jrst    outpt3
18d5

cain    b,14           ;form feed?
18d6

jrst    [hrroi a,[asciz /<*L>/]
18d7

    psout
18d7a

    jrst outpt1]
18d7b

movei   a,101
18d8

bout
18d9

caie    b,12           ;line feed?
18d10

cain    b,37           ;EOL?
18d11

skipa
18d12

jrst    outpt1        ;no, keep on keepin on
18d13

aobjn   c,outpt1
18d14

outpt3:
18e

hrroi   a,[asciz /
** type <CR> for more info, or type a keyword **

+/\]
18e1

psout
18e2

movei   a,100         ;primary input file
18e3

rfmod
18e4

movem   b,mode        ;save it
18e5

trz     b,3B25        ;no echo!!
18e6

sfmod
18e7

pbin
18e8

caie    a,37          ;eol??
18e9

```


HELP Program by DCW for MDK

```

    jrst    [movem a,char          ;nope                18e10
    movei   a,100                  ;save input char to echo it
    soon
    bkjfn                                     18e10a
    jfcl                                       18e10b
    move b,mode                          ;echo again    18e10d
    sfmod                                     18e10e
    movei   g,0                      ;set flag to avoid another "+" 18e10f
    jrst outpt2]                          ;then leave to get new keyword 18e10g
    movei   a,100                      18e11
    move    b,mode                      18e12
    sfmod                                     18e13
    jrst    outpt0                    ;eol means keep with this file 18e14
outpt2:                                     ;end of file exit      18f
    pop    p,a                          ;get file jfn back    18f1
    closf                                     18f2
    jfcl                                       18f3
    popj   p,0                          ;return                18f4
; data constants and shit                19
table:                                     19a
    xwd 100000,0                          19a1
    xwd 100,101                             19a2
    0                                       ;default device (NULL) 19a3
    [asciz /NIC/]                          ;default directory    19a4
    0                                       ;default file name (NULL) 19a5

```

HELP Program by DCW for MDK

[asciz /TXT/]	;default extension	19a6
block 4		19a7
pdl:	block 21	19b
cnfirm:	0	19c
mode:	0	19d
char:	0	19e
hlpjfn:	0	19f
filjfn:	0	19g
name:	block 10	19h
lits:		19i
lit		19i1
end	start	19i2
		19i3

USING 12

Dave,

The story is this (and will be mentioned in a forthcoming RFC) -- a pre-assigned journal number (for instance, a group note NIC number) can be used only on the machine it was taken from. So that was the problem -- the NIC numbers I had were from the ARC machine. Well now I have numbers that I got from the OFFICE-1 machine. So here is the new using 12 note number (it was taken in the name of NICSTA):

30304. That should work.

Sorry for the inconvenience; one by one the problems are being discovered and fixed.

Marcia

1

MLK 27-MAR-74 08:31 22500

USING 12

(J22500) 27-MAR-74 08:31; Title: Author(s): Marcia Lynn Keeney/MLK;
Distribution: /DHC; Sub-Collections: SRI-ARC; Clerk: MLK;

USERS 5

Dave,

Just thought that you might need an OFFICE-1 journal numnumber for
USERS note 5 (USING and USERS Administrative Actions). Let me know
if you do, OK?? The one that I gave you previously was an ARC number
and won't work if you try to submit it from OFFICE-1.

Marcia

1

USERS 5

(J22501) 27-MAR-74 08:34; Title: Author(s): Marcia Lynn Keeney/MLK;
Distribution: /DHC; Sub-Collections: SRI-ARC; Clerk: MLK;

New NLS Jump to Link Bug

Links to journal items which should go to statement 1 go to thhe origin ignoring the explicit statemnt number specification in the link in the new NLS,

HGL 27-MAR-74 09:19 22502

New NLS Jump to Link Bug

(J22502) 27-MAR-74 09:19; Title: Author(s): Harvey G. Lehtman/HGL;
Distribution: /NEWNLS KEV; Sub-Collections: SRI-ARC NEWNLS; Clerk: HGL;

Comments on Victor's CML paper, 22497

Seems very useful to get these notions out to the world. I take it that this siggraph workshop will not publish regular, full papers -- perhaps these abstracts only? 1

(22497,5d3) Would suggest transposing, in last sentence, the terms "user" and "command processor." The thing that is trying to be made flexible is the way the command processor can interact with the human, to fit the latter's "profile" of need and preference. 2

If this were to become a full Proceedings paper, I'd think it appropriate to have several author names going out on it, reflecting the principle contributors (perhaps just those at ARC now, with acknowledgement to those who have left) who have evolved the concepts and specifics over the past years -- back to '67, where the 940 system was designed with a CML -- perhaps the first job Don Andrews had at ARC. E.g., see the FJCC68 paper -- 3954, >, Fig 9 on pp. 406. 3

I'd also like to have specific mention made of when the basic notions first were applied at ARC, to show that the current system is the latest stage in about 8 years of evolution, explicitly beginning with a "control meta language" and aiming toward front-end flexibility, better conceptual and documentary presentation of the control procedures (protocol) for discussing, designing, documenting,. 4

DCE 27-MAR-74 09:22 22503

Comments on Victor's CML paper, 22497

(J22503) 27-MAR-74 09:22; Title: Author(s): Douglas C. Engelbart/DCE
; Distribution: /kev rww chi jcn dia wrf meh jdh hgl ndm ekm
dcw jew ; Sub-Collections: SRI-ARC; Clerk: DCE ;

Output Quickprint Branch

Is there some reason why the message Output Quickprint branch
couldn't be displayed when viewspec g is on?

1

SRL 27-MAR-74 09:23 22504

Output Quickprint Branch

(J22504) 27-MAR-74 09:23; Title: Author(s): Susan R. Lee/SRL;
Distribution: /NEWNLS; Sub-Collections: SRI-ARC NEWNLS; Clerk: SRL;

UK Users Group

Some time ago, I sent you a journal message explaining what the NIC does for interest groups. Didn't you get it??

1

If not, basically what it said was this:

2

NIC will reproduce and distribute group notes of reasonable size to members of a Network interest group. These are usually working papers, and not user manuals. I will have to set the group up in the identfile; to do this, I need a list of members, a group coordinator, and a name for the group (if you have a preferred ident for the group, let me know this also). If any of the members are not yet in the identfile, I need full names and addresses for them, as well as phone numbers. When this is done, I will send out the first two group notes to the members of the group, one a membership list and the other procedures for distributing group notes.

3

You can then begin sending group notes.

4

Does this explain things?? Let me know what's up.
Marcia

5

MLK 27-MAR-74 14:15 22505

UK Users Group

(J22505) 27-MAR-74 14:15; Title: Author(s): Marcia Lynn Keeney/MLK;
Distribution: /SRW; Sub-Collections: SRI-ARC; Clerk: MLK;
Origin: <NIC-WORK>STEVE.NLS;3, 27-MAR-74 14:13 MLK ;

coupling couplers

would those of you who have acoustic couplers at home please let me know the serial numbers. I am in the process of trying to straighten out the property keeping-track-of system. Thanks, from the depths of the cosmic infundibulum,

1

coupling couplers

(J22506) 27-MAR-74 15:54; Title: Author(s): Sandy L. Johnson/SLJ;
Distribution: /SRI-ARC; Keywords: property, couplers; Sub-Collections:
SRI-ARC; Clerk: SLJ;

SCENARIO FOR USING THE NETWORK JOURNAL
 Jeanne North
 Network Information Center

Same text as 22383, RFC 629
 p.2

Network users may send mail to individuals and to groups, input as messages or entire files, through the Network Journal, using SNDMSG or their site's mail system. The mail is converted at NIC into NLS files, Journalized, and sent to specified recipients. Short messages may be received as messages, longer ones as citations to files which may be retrieved immediately, and also later, by using FTP. Mail sent to NIC with a "/" in the user-name field invokes the Net Journal.

SENDING THE MESSAGE OR FILE BY TENEX SNDMSG

Construct user field with slash and NIC idents:

[Users:] sender ident/addressee ident(s)@NIC

e.g. "JEW/DHC MAP@NIC". To send to a group, use group ident, e.g. "JEW/NLG@NIC". To combine Journal SNDMSG with SNDMSG to others, add others' Network addresses after commas, e.g. "JEW/DHC@NIC, PRATT@ISI".

See ARPANET Directory for NIC idents and Network addresses.

```
[@] SNDMSG <CR>
[Type ? for help]
[Users:] JEW/NGG <SP> DHC@NIC, PRATT@ISI <CR>
[Subject:] Title of Message <CR>
[Message (? for help):] Text of message ...
  Note: "B allows insertion of a sequential file as the message or
  at any point in the text of the message:
  "B [(Insert file:)] <directory>file <ALT> [ext ...EOF]]
<"Z>
[jew/ngg dhc@nic == ok]      (or [ -- queued -- timed-out])
[pratt@isi == ok]
```

When using SNDMSG through TELNET, change TELNET escape character, to "Q for example, allowing "Z to be used for end-of-message.

RETRIEVING THE FILE FROM NETWORK JOURNAL

Substitute the citation received, for example "<GJOURNAL>21695", for "<journal>number" and supply a filename in the following:

```
[@] FTP <CR>
[HOST FTP User process x.xx.x]
[*] CONN <SP> NIC <CR>
[ Connection opened]
[*< OFFICE=1 FTP Server x.xx.x - at DAY DATE TIME]
[*] LOG <SP> ANONYMOUS <SP> NIC <CR>
[*] GET <SP> <journal>number.NLS;xnls <CR>
[ to local file] filename <CR> [New file] <CR>
[< IMAGE retrieve of <journal>number.NLS; started]
[< transfer completed]
[*] DISC <CR>
[*] QUIT <CR>
```

```
[@] COP <ALT> [<File list>] file <ALT> [<TO>] LPT: <CR> [OK] <CR>
```

SCENARIO FOR USING THE NETWORK JOURNAL
 Jeanne North
 Network Information Center

Same text as 22383, RFC 629
 p.3

SENDING A MESSAGE BY TELNET, FTP, OR OTHER MAIL SYSTEM

TELNET by TENEX Users:

```
[@] TELNET <CR>
[User Telnet x,x DATE ....]
[#] NIC <SP> FTP <CR> [is complete.#]
[300 OFFICE=1 FTP Server x,xx,x - at DAY DATE TIME]
MAIL <SP> JEW/RWW <SP> DHC <CR> (pause)
[350 Type mail, ended by a line with only a "."]
Re: Title of Message <CR>
First line of message <CR>
second line of message <CR> ...etc.
. <CR> (pause)
[256 Mail completed successfully]
<^Z>
[#] DISC <CR>
[#] QUIT <CR>
```

FTP by TENEX Users:

```
[@] FTP <CR>
[HOST FTP User process x,xx,x]
[#] CONN <SP> NIC <CR>
[ Connection opened]
[*< OFFICE=1 FTP Server x,xx,x - at DAY DATE TIME]
[#] QUO <ALT> MAIL <SP> JEW/DHC RWW <CR>
[#] (pause) [Type mail, ended by a line with only a "."]
[#] QUO <ALT> Re: Title of Message <CR>
[#] QUO <ALT> First line of message <CR>
[#] QUO <ALT> second line of message <CR> ...etc.
[#] QUO <ALT> . <CR> (pause)
[*< Mail completed successfully]
[#] DISC <CR>
[#] QUIT <CR>
```

Using Other Mail Systems:

It is not possible to give a generalized scenario for use with all local mail systems.

The general procedure, to be applied to the local mail system, is to supply:

"NIC" as the host name, and

Sender's NIC ident / Addressee's NIC ident as user name

See RFC 543, NIC 17777, for more detail on Network Journal.

JBN 27-MAR-74 16:05 22507

SCENARIO FOR USING THE NETWORK JOURNAL
Jeanne North
Network Information Center

Same text as 22383, RFC 629
p.1

(J22507) 27-MAR-74 16:05; Title: Author(s): Jeanne B. North/JBN;
Sub-Collections: NIC SRIARC ; Clerk: JBN;
Origin: <NIC-WORK>NETJLSCEN3,NLS;11, 27-MAR-74 16:03 JBN ;

Bug that has stopped work for some weeks now IN TNLS:

There is no way (that works) to institute a program as a content analyzer in TNLS

1

Jeanne and Kirk tried 3 methods on March 26, unsuccessfully:

2

Set Filter To ...
Execute Programs Show Status

2a

Result: the filter program is given a name, but does not get instituted as content analyzer.

2a1

[This is the method I have described in my previous complaints about this TNLS bug; I've just now tried the other alternatives]

2a2

Goto Programs
Institute Program ... as Content analyzer
Show Status

2b

Result: (1b1a)

2b1

Using a compiled rel file with .Ca extension
Show Status

2c

Result: (1b1a)

2c1

The (sndmsg) answer to my <22167,> from SRL, that the only problem with Set Filter command was that viewspec f didn't go on with i, was totally irrelevant to my TNLS problems. It would be helpful if programmers would pay some attention to TNLS, since some others besides me are going to be stuck with it in New NLS soon!

3

I admit I have not tried putting a filter pattern in a link, but I would like to see these bugs fixed anyway.

4

JMB 27-MAR-74 15:28 22508

Bug that has stopped work for some weeks now IN TNLS:

(J22508) 27-MAR-74 15:28; Title: Author(s): Jeanne M. Beck/JMB;
Distribution: /NNLS SRL DCW CHI; Sub-Collections: SRI-ARC; Clerk: JMB;

For Torstein Haugland, SU-DSL,

From Yngvar Lundh, 28-MAR-74 01:40

Torstein,

Jeg proever aa sende journal mail, noe jeg ikke har gjort ordentlig foer, saa det ville vaere fint aa hoere hvordan det kommer frem,

Med hensyn til det du sier om utstyr som ligger i periferien i internasjonal sammenheng, har jeg mange synspunkter. Foe det foerste er det der DU kommer inn. Den kontakt vi skaper med andre miljoer ved stipendiater er livsviktig. Svaert meget av vaar fremtidige evne til aa vaere med i relativt fremskuttelinjer i den teknologiske utvikling, avhenger av stipendiaters evne til aa tilegne seg innsikt og perpektiv, skape kontakter og ikke minst ta initiativ naar de kommer hjem,. For det annet er det neppe riktig aa satse kun paa importert hardware og software. Foroevrig er vel den omkoding som skal til mellom f,eks, PDP11 og SM3 relativt beskjedent I FORHOLD TIL LOGIKKEN (flytskjemaer etc) i det hele,

Jeg hadde haapet paa at du kunne spille en sentral rolle naar du kommer hjem, f, eks, med hoyere ordens protokoller, og mer spesifikke opplegg i forbindelse med satellitteksperimentene. Dette med nettverk er interessant ikke bare som datakraft-samkjoering, men kanskje enda mer som helt nye kommunikasjonsformer, antagelig med spesiell interesse for Norge,

Jeg kan gjerne proeve aa holde deg informert om hvordan det gaar med forberedelsen av det prosjektet. Foreloebig holder vi jo bare paa aa forberede proposals, og der er diverse politiske og administrative hindringer, men det er vi vant til. Vi boer imidlertid samtidig med dette bruke tiden til aa bygge opp mest mulig teknisk innsikt,

Jeg skal proeve aa oppmuntre Gjertsen ennu mer. Men de er alle sammen noksaa nedsyttet i sin "entreprenoervirksomhet", saa han har liten tid til overs. (Det nye prosjektet der har forresten elementer som burde kunne gi grunnlag for resultater av mer fremadrettet verdi, hvis vi bare tar oss umaken med aa gjoere bruk av dem) Han og Roeros har fulgt interessert med paa protokollkollokviet vaart hele tiden,

Hilsen, Yngvar,

YL 28-MAR-74 02:17 22509

For Torstein Haugland, SU=DSL.

(J22509) 28-MAR-74 02:17; Title: Author(s): Yngvar Lundh/YL;
Distribution: /TH; Sub=Collections: NIC; Clerk: YL;

For Vinton Cerf, Stanford University.

From Yngvar Lundh, 28-MAR-74 02:20

Vint,

Thank you for message. Things at NDRE are reasonably good.

Yes, Bob Kahn was here the week before last, and I suggested that we might cooperate on some broadcast satellite experiments. I hope that will materialize. I am now anxious to hear his next comments.

Do you have interests in that area?

Yes, I do plan to come to the ICCG in Stockholm, and if there is an INWG meeting then, I would welcome the opportunity to sit in.

Although the work on inter network protocols is very important, and I would like to keep informed, it is not really meaningful for us to engage actively in it, I believe, until we have a more substantial networking activity at all. To achieve that, whatever research resources I can mobilize in this area, I believe is most fruitfully spent in doing work more directly applicable both to the mainstream of research on the arpanet as a communication experiment as well as to specific Norwegian interests - if such common areas can be found. I hope I am expressing myself understandably. Let me also put it this way: There is pretty much of a vacuum to be filled here about networks until sophisticated work like yours has any meaning. Now, I may be totally wrong in this judgement, and would therefore very much appreciate your comments.

Regards, Yngvar.

1
1a
1b
1c
1d
1e
1f
1g

YL 28-MAR-74 02:47 22510

For Vinton Cerf, Stanford University.

(J22510) 28-MAR-74 02:47; Title: Author(s): Yngvar Lundh/YL;
Distribution: /VGC; Sub-Collections: NIC; Clerk: YL;

ASSUMPTIONSarc=SCIENCE-FICTIONworld

alone at the fringe

ASSUMPTIONSarc=SCIENCE=FICTIONworld

Toto, I have the feeling we're not in Kansas anymore.

1

NDM 28-MAR-74 06:15 22511

ASSUMPTIONSarc=SCIENCE=FICTIONworld

(J22511) 28-MAR-74 06:15; Title: Author(s): N. Dean Meyer/NDM;
Distribution: /SRI-ARC; Sub-Collections: SRI-ARC; Clerk: NDM;

Modifications to Delta Data

Our Delta Data repairman say that it is a fairly simple fix to disconnect the repeat function on the keyboard, and will do so (presumably for some nominal charge) on his next visit. The bell (and alarm light) is activated for three reasons: 1) when the cursor gets to or past column 66? or so, 2) when the terminal's memory begins to overflow and lines are lost off the top, and 3) when the terminal receives the bell character (<control-g>?) from the computer. Of course we can only use the bell if it is restricted to the later. This is an engineering change which can be made on existing terminals for some charge or specified with the order of new terminals for some lesser charge. I suggest we specify that with all future Delta Data orders.

Modifications to Delta Data

(J22513) 28-MAR-74 07:45; Title: Author(s): N. Dean Meyer/NDM;
Distribution: /MEH DVN CHI JCN RAB EKV DIA; Sub-Collections: SRI-ARC;
Clerk: NDM;

Delta Data bells

Be advised that the bell also rings when a "end variable (underline)" code is send when the cursor is at a character that is NOT variable (underlined). This is a pain also, SOP so far has been to tun off the bell... Thanks for the note about bells. Don

1

DIA 28-MAR-74 09:24 22514

Delta Data bells

(J22514) 28-MAR-74 09:24; Title: Author(s): Don I. Andrews/DIA;
Distribution: /NDM MEH DVN JCN JMB; Sub-Collections: SRI-ARC; Clerk:
DIA;

My acoustic coupler serial number is 1059.

1

(J22515) 28-MAR-74 09:26; Title: Author(s): Don I. Andrews/DIA;
Distribution: /SLJ; Sub-Collections: SRI-ARC; Clerk: DIA;

Sendmail number command

What happened to th ident checking when specifying a reserved number

1

Is it no longer necessary?

2

KIRK 28-MAR-74 11:27 22516

Sendmail number command

(J22516) 28-MAR-74 11:27; Title: Author(s): Kirk E. Kelley/KIRK;
Distribution: /CHI; Sub-Collections: SRI-ARC; Clerk: KIRK;

Comments on Bair's feedback mechanism

Here are my initial reactions to your feedback mechanism draft 4. I will think on it some more this weekend.

Comments on Bair's feedback mechanism

(feedback) comments on Bair's feedback mechanism

1

there seems to be an inconsistency or my misunderstanding,

1a

journal mail is to be moved to branch called "utility" if pertinent to utility staff after it is read, however the next statement states items in Utility branch have been acted upon. Does this mean items that have been read but not acted upon are not moved? Are these items marked in anyway? are subsequent items inserted into journal branch and original one moved to utility or analysis branch as is suggested by the statement beginning "Items requiring additional...."? In the analysis p'p'dp'ph, xnt rdd1 tn r'x lnvhnf nf thd htdl hntn 'n'l xris branch only indicates that it has been looked at by someone; no action assumed,

1a1

Perhaps you can clear this up for me by rewording. More importantly I would like to see a slightly different method built on your good ideas.

1a2

As I understand it there are four branches: journal, messages, utility, and analysis. The movement of items found in either journal or messages branches to the utility or analysis branches should only indicate that the item has been read by the appropriate people.

1b

Now, there is the usual problem of cross referencing items especially items that are in response to previous items. With the risk of complicating "feedback" but in the hope of better interaction between users and ARC, I suggest that the analysis and utility branches be subdivided into two or three subbranches (each).

1c

1. have read branch

1c1

this is the place where items are moved from the input br'nbhdr (ldrr'fdr 'nd jntrn'l(,

1c1a

2. have acted upon branch

1c2

these item have been acted upon and no further action is anticipated,

1c2a

3. dead letter branch

1c3

items which have been read and no action has been taken (or needs to be taken) and no action is anticipated to be taken,

1c3a

the name of this branch might be changed to prevent any ones

Comments on Bair's feedback mechanism

feeling being hurt. every idea by the originator is precious to him so it would be poor psychology to blantly call it "dead". What do you think Jim?

1c3b

In all of the branches items will be at the first sublevel and comments by the utility or analysis staff should be at one lower sublevel. If the item itself is several levels we have to think a bit longer on how to denote comments. In any case, any item should be commented upon as a matter of course. This gives the trdr fdddb`bj vhdn and if they ever look at this file; in addition it looks good to all who perusal it.

1d

Another suggestion, perhaps we could have "feedback numbers" associated with each item. e.g., FB101, FB102.. the numbers would be assigned by the person who initially moves the item from the two input branches (journal and messages). At this time the statement (item) would receive a statement name "FB101"; thus identifying this item and providing a method of locating it in the future. Eventually this mechanism could be done automatically.

1e

Additionally, the comments made by the utility or analysis staff would be labelled "FBC101" or something like that. This would immediately identify the comment as belonging to FB101.

1e1

For future offices, we might wish to have the numbering scheme include the office number., e.g., AFB101 where the letter "A" means office-1, BFB101 would mean office-2. Perhaps the number should be shortened to AF101 and BF101 or FA101 and FB101.

1e2

typo: there is a double "that" in statement (2a3a).

1f

RLL 28-MAR-74 11:39 22517

Comments on Bair's feedback mechanism

(J22406(28,L0R,64 01:39; Title: Author(s): Robert N. Lieberman/RLL;
Distribution: /JHB; Sub-Collections: SRI-ARC; Clerk: RLL;
Origin: <LIEBERMAN>FEED-COMMENTS.NLS;2, 28-MAR-74 11:26 RLL ;

Location of RADC trip raw notes

Duane, my raw notes from the RADC trip are located in (lieberman,radc,). You are welcomed to look at them. I hope to write a more coherent report in the next few days. things have been hectic here. Keep warm beneath the snow (haha). Robert

1

RLL 28-MAR-74 11:55 22518

Location of RADC trip raw notes

(J22518) 28-MAR-74 11:55; Title: Author(s): Robert N.
Lieberman/RLL; Distribution: /DLS; Sub-Collections: SRI-ARC; Clerk: RLL;

The number command in Sendmail

This command should allow the user to see the number that will be 1
assigned to his item as well as specifying a reserved number 2
and in place of reserving the number and then using the number 3
command to use it. The running system does this if the user 4
types a CA. In dnls this conflicts with bugging a reserved 5
number. Something should be implemented to accomodate both, 6

KIRK 28-MAR-74 11:58 22519

The number command in Sendmail

(J22519) 28-MAR-74 11:58; Title: Author(s): Kirk E. Kelley/KIRK;
Distribution: /FDBK; Sub-Collections: SRI-ARC; Clerk: KIRK;

The journal hardcopy command,

I think a better word would be "Offline" because Hardcopy implies 1
paper. However, this is the command one would use to journalize 2
anything from a video tape to a human being (check out journal 3
number 1). %delete "However" above% 4

KIRK 28-MAR-74 12:21 22521

The journal hardcopy command.

(J22521) 28-MAR-74 12:21; Title: Author(s): Kirk E. Kelley/KIRK;
Distribution: /FDBK; Sub-Collections: SRI-ARC; Clerk: KIRK;

User program SENDMAIL

A new user program called SENDMAIL allows you to send messages throughout the network directly from NLS. To use it, you must increase your programs buffer size to 8 pages (Goto Programs Buffer 8 <CA>). It is an executable program. It will send a statement, branch, group, or plex, or "text" which allows you to type in the message on the spot. It allows you to type in a title, then a distribution list. The distribution list can include any mixture of SNDMSG-like addresses or NIC idents (including group idents). If there is a directory with the same name as an ident, the directory will be assumed; if you precede the name with an asterisk *, the ident will be assumed. It then checks your distribution list and prints which were accepted and which were unrecognizable. You then have a chance to add to the accepted list. Parallel changes in the user program INMES allow messages sent by SENDMAIL to be brought back into NLS with the structure reasonably intact. Questions, problems, and complaints should be directed to Dean Meyer (NDM) or Jim White (JEW) at ARC.

1

NDM 28-MAR-74 12:59 22522

User program SENDMAIL

(J22522) 28-MAR-74 12:59; Title: Author(s): N. Dean Meyer/NDM;
Distribution: /SRI-ARC TU ECW RJ; Sub-Collections: SRI-ARC TU; Clerk:
NDM;

(userguides,journal=netsub,)

I have updated it with JBN's journal item 22383 to a new version.

1

Are you still into copying files to office-1?

2

KIRK 28-MAR-74 13:53 22523

(userguides,journal-netsub,)

(J22523) 28-MAR-74 13:53; Title: Author(s): Kirk E. Kelley/KIRK;
Distribution: /JMB; Sub-Collections: SRI-ARC; Clerk: KIRK;