

TRANSMITTAL TO: A. Moreau

TRANSMITTAL TO: A. Moreau
Universite de Liege
Faculte des Sciences Appliquees
Regulation et Automatique
Avenue des Tilleuls, 49
B-4000 Liege (Belgique)

FROM: Susan Lee (NIC)
Station Agent

1

At your request we are inclosing the following documents:

1a

NIC 10599 AN ECHOING STRATEGY FOR SATELLITE LINKS
NIC 8246 Host/Host Protocol for the ARPA Network
NIC 9348 RFC #318 Telnet Protocols

1a1

SRL 22-MAR-73 23:28 14792

TRANSMITTAL TO: A. Moreau

(J14792) 22-MAR-73 23:28; Title: Author(s): Lee, Susan R. /SRL ;
Distribution: /SA ; Sub-Collections: NIC ; Clerk: KIRK ;

TRANSMITTAL TO: G. Havermahl

TRANSMITTAL TO: G. Havermahl
RCA ARPANET
Drawer D
Cocoa Beach, Florida 32931

FROM: Jeanne North (NIC)
Information and Station Agent Coordinator

1

Dear Mr. Havermahl:

1a

We have received notice that your office is now a Site on the ARPA Network and that you will be acting as Station Agent.

1b

Enclosed are a number of background documents (see list below).

1c

Approximately every other week you will receive additions to your collection. Along with the new documents will be a numbered transmittal letter which lists what is being sent, and also indicates what has recently been sent to your Site's Technical Liaison. These transmittal letters should be filed in the Transmittal Letter section of your Current Catalog (NIC 5145).

1d

We will be glad to supply copies of particular documents indicated by a back arrow in the Catalog Listings, and will loan or direct you to sources of other documents in the Listings.

1e

c: S. Crocker (ARPA)

1f

encl:

1g

- The ARPA Network
- Resource Sharing Computer Networks
- NIC 7542
- NIC 7750
- NIC 8480
- NIC 10507
- NIC 11924
- NIC 11681
- NIC 12324
- NIC 11626
- NIC 11748
- NIC 11768

1g1

SRL 22-MAR-73 23:26 14793

TRANSMITTAL TO: G. Haverwahl

(J14793) 22-MAR-73 23:26; Title: Author(s): Lee, Susan R. /SRL ;
Distribution: /SA ; Sub-Collections: NIC ; Clerk: KIRK ;

TRANSMITTAL TO: Bernie Cosell

TRANSMITTAL TO: Bernie Cosell
BBN
50 Moulton Street
Cambridge, Massachusetts 02138

FROM: Susan Lee (NIC)
Station Agent

1

At your request I am enclosing the following documents

1a

NIC 10814 TNLS Beginners Guide
NIC 10703 DNLS Preliminary Reference Guide.

1a1

SRL 22-MAR-73 23:28 14794

TRANSMITTAL TO: Bernie Cosell

(J14794) 22-MAR-73 23:28; Title: Author(s): Lee, Susan R. /SRL ;
Distribution: /SA ; Sub-Collections: NIC ; Clerk: KIRK ;

TRANSMITTAL TO: Ralph Alter

TRANSMITTAL TO: Ralph Alter
Packet Communications
176 2nd Ave.
Waltham, Massachusetts 02154

FROM: Susan Lee (NIC)
Station Agent

1

At the request of Vint Cerf, your name has been placed on the INWG distribution list.

1a

Enclosed are INWG notes 2, 4, 5, 6, 7, 10, 12-19, and 21. Notes 1, 3, 8, 9, and 11 are obsoleted and Note 20 has not yet been issued.

1b

Also enclosed are documents for your background information (see below).

1c

- NIC 7104 Current Network Protocols 27-NOV-72
- NIC 9926
- NIC 10510
- NIC 11626
- NIC 12396
- NIC 12520
- NIC 12535
- NIC 13026
- NIC 13156
- NIC 13652
- NIC 13653
- NIC 13654
- NIC 13865
- NIC 13879
- NIC 14188
- NIC 14133
- NIC 14203
- NIC 14498

1c1

SRL 22-MAR-73 23:34 14795

TRANSMITTAL TO: Ralph Alter

(J14795) 22-MAR-73 23:34; Title: Author(s): Lee, Susan R. /SRL ;
Distribution: /SA ; Sub-Collections: NIC ; Clerk: KIRK ;

TRANSMITTAL of ARPANET NEWS

Enclosed, as promised, is a copy of the ARPANET NEWS (NIC 14797) containing excerpts from your COMPCON speech.

1

Your name has been entered in the NIC Ident file so that if you choose, you can use the NIC online Journal to send online and/or hardcopy messages to Network members as this was sent to you.

2

c:

3

Tom Pyke (TNP)

Shirley W. Watkins (SWW)

3a

14797 Distribution

Agent, Station , Davis, Ruth M. ,

Introduction

1

The purpose of this RFC is to briefly summarize, from the NIC's viewpoint, the principal conclusions reached at the Network Mail Meeting held Friday, February 23 1973, at SRI-ARC.

1a

Please refer to RFC #475 (NIC 14919) for Abhay Bhushan's comprehensive summary of the issues discussed at the meeting.

1a1

There is no major disagreement between the present RFC and RFC #475.

1a2

RFC #453 (NIC 14317) contains background information on the meeting.

1a3

RFC #479 (NIC 14948) describes what the NIC would like to see included in the File Transfer Protocol for Network Mail purposes, and also describes briefly how the NIC would use the information.

1a4

The present RFC is organized as follows:

1b

Conclusions
Discussion
Attendees

1b1

Conclusions

2

Additional FTP mail requirements were decided upon. These would be implemented as a new mail command, with the following subcommands:

2a

TO

2a1

This field is explicitly allowed to contain multiple addressees, with a standard syntax: user@host.

2a1a

FROM

2a2

This field provides a return-address for notification of undeliverable mail, as well as a clearcut identification of the sender for the recipient's information..

2a2a

AUTHOR

2a3

This field denotes the author of the mail. There may be multiple authors.	2a3a
TITLE	2a4
The "title" (i.e. subject) of the mail is to be terminated by period carriage-return.	2a4a
ACKNOWLEDGEMENT success / failure (time-out) / normal	2a5
For use by the intermediate host, probably the NIC in most cases, to tell the sender what happened to his attempt to send mail. (Note: "normal" wasn't defined.)	2a5a
RECORDED jnumber / null	2a6
Note: "jnumber" is the pre-assigned accession number (NIC number), to be used when known.	2a6a
The "RECORDED" subcommand provides for the option of having the mail recorded. Information given with this subcommand would be recognized at the NIC. Options are:	2a6b
to be recorded (in NIC journal) only, to be recorded and distributed, to be distributed only.	2a6b1
This field would also be used to inform the recipient that the mail has been recorded.	2a6c
(In retrospect, it may be preferable to have a separate command to inform the recipient of this fact, but no decision on this was made at the 23-Feb-73 meeting.)	2a6c1
TYPE long / urgent / ordinary	2a7
This allows the recipient site to take whatever action it thinks appropriate in storing the mail.	2a7a
TEXT / FILE / CITATION	2a8
TEXT	2a8a
This field is for the text of the mail message.	2a8a1
FILE	2a8b

The purpose of this field is unclear to me. Does it contain a machine readable pointer to the file that the sender wishes the recipient to read?

2a8b1

CITATION

2a8c

This field is a person-readable pointer to the file that the sender wishes the recipient to read. When the citation command is used, no mail is sent other than the citation.

2a8c1

Discussion

2a8d
3

Introduction

3a

The key aspects in the solution are:

3a1

1) It is based on FTP.

3a1a

2) It uses the NIC without requiring direct use of NLS.

3a1b

3) There is a mechanism for uniformity in the use of user identifications.

3a1c

4) There is a mechanism for recording the mail for later reference.

3a1d

These issues are covered in the discussion that follows.

3a2

New FTP Mail Subcommands

3b

TO

3b1

Addressee Format

3b1a

The standard form of the address is: user@host

3b1a1

"User" may be an individual's last name; or it may be whatever other identification the recipient has chosen AND has made known to the rest of the network.

3b1a2

If the intended host doesn't recognize the intended recipient's identification, then it sends back an "undeliverable" mail message to the sender's host. It is up to the individual to keep

the NIC informed of his whereabouts; otherwise, he
may not get his mail on time. 3b1a2a

NIC Role 3b1b

The NIC need have no role at all for mail sent from
point A to point B, whenever that mail is not to be
recorded at the NIC. 3b1b1

For mail that is to be recorded at the NIC, the
RECORDED subcommand is to be used. 3b1b2

Also, when the sender does not know the standard
address of the recipients, he may use the NIC to
obtain this information. 3b1b3

Idents and Addresses 3b1c

The NIC will modify its identification files to
include the "user@host" standard address for each
individual. 3b1c1

Sites may ask the NIC to translate from NIC Ident,
or from a user's last name, to the standard
address. A query facility will be made available
at the NIC to do the translation on request. The
translation service will also be available for
"group idents". 3b1c1a

This service would be FTP-like, in terms of the
protocol it accepts, but would not be within FTP
itself. A different server process would handle
Ident translation requests. 3b1c1b

Translation will also be done at the NIC when the
NIC is used as an intermediate point on the
delivery route. 3b1c1c

The NIC could be an intermediate point for
recording the mail as a NIC journal item, and
for forwarding the mail to its ultimate
destinations. During this process, the NIC
would translate from NIC idents to standard
addresses. 3b1c1c1

In the NIC ident files, provision already exists to
specify hardcopy or on-line delivery of recorded (NIC
Journal) mail. 3b1c2

This provision will be extended to include a "network" attribute, which means "deliver the mail to the host of this person". 3b1c2a

The network attribute may be qualified by restricting all mail to be kept at the sender, with only a notification message actually mailed. 3b1c2b

Notification would be in the form of a citation giving "to", "from", "title", "date of submission", and "location of mail". 3b1c2c

TIP Users 3b1d

To enable TIP users to have access to the mail system, both for sending and receiving mail, it was suggested that some hosts will have to be the "home" sites for these users (but no more than one "home" site per user). 3b1d1

That is, an account that allows a TIP user to send and receive mail will have to be established at such a host. 3b1d2

For the present, any TIP user can use the SRI-ARC system for his mail requirements. 3b1d2a

An alternate solution, that TIP's be equipped with a hardcopy device that is continuously available for printing mail, was discarded in favor of the above approach. 3b1d3

FROM 3b2

The "FROM" command in FTP, identifies the sender in "standard address" form. 3b2a

This will allow "undeliverable" mail notices to be sent back to the originator. 3b2a1

The default condition is that the sender's host must retain the mail until it is "delivered" to the recipient's host. 3b2a1a

"Delivered" means that the recipient's host has accepted the mail. It does NOT mean that the recipient has READ the mail. 3b2a1a1

Alternatively, the sender may designate that an intermediate host store the mail. Then the intermediate host has the responsibility of storing the mail until it is "delivered" to all intended recipients.

3b2a1b

The "ACKNOWLEDGEMENT" command will allow an optional, positive acknowledgement to be given to the originator of the mail (the "FROM" addressee), stating that the mail was delivered.

3b2a2

AUTHOR

3b3

The AUTHOR may be several persons. For recorded documents the authors appear separately in the index of authors, to facilitate searching for mail when an author is known, but the title and location of the mail are unknown.

3b3a

TITLE

3b4

The TITLE field is especially useful for recorded mail, since indexes on key words in the title can be produced relatively easily, and facilitate searching for mail.

3b4a

For this reason, the title should be a succinct indicator of the contents.

3b4b

ACKNOWLEDGEMENT

3b5

Acknowledgement of failure to deliver should be given to the sender.

3b5a

An optional, positive acknowledgement of successful delivery to the recipient's sitename will be given on request of sender (like U.S. CERTIFIED mail).

3b5a1

No acknowledgement that the recipient actually saw the mail will be given (comparable to not having U.S. REGISTERED mail).

3b5a2

RECORDED

3b6

The concept of "recorded" mail is that a permanent record of the mail is kept centrally, to allow future references and re-readings of the mail to be made.

3b6a

For example, in the NIC Journal system, a record is

kept of all the items entered into the Journal. From this record, author, title-word, and NIC number indexes are produced to allow for references and re-readings.

3b6a1

The key to retrieval of recorded Journal items is the use of an accession number (the NIC number). This essentially removes the possibility of duplicate filenames being used.

3b6a2

The basic aspect of recorded mail which was discussed at the mail meeting is the assignment of an "accession" number.

3b6b

It was decided to get the accession numbers from the NIC on an as-needed basis, without pre-assignment and without local assignment of numbers.

3b6b1

This subject may be reviewed in the future. Local assignment may be desirable to prevent the NIC from becoming a bottleneck in the mail process.

3b6b2

It was pointed out that local assignment of numbers would be un-ambiguous if the numbers included some information such as sitename, date, and time.

3b6b3

One other problem exists, namely "where is the recorded document?".

3b6c

Initially the document should be in the NIC, but ultimately it could be anywhere on the Network, provided only that there is a central mechanism for indexing and cataloging all the recorded documents.

3b6c1

The pathname to the recorded document would then include filename and sitename.

3b6c2

TYPE

3b7

The TYPE subcommand was a result of a discussion on the problems of large mail files, and the associated question of who would pay for the processing and storing of these files.

3b7a

The main decisions made were:

3b7b

a) The processing, transmittal, and storage costs of sending mail should be borne at the sender's host.

3b7b1

b) The processing and storage costs of receiving mail should be borne at the recipient's host initially, as a default. 3b7b2

Information to enable the recipient host to make an intelligent decision about where to store the incoming mail are passed along via the TYPE command. 3b7c

The recipient host will have the local option of providing either of the following services: 3b7c1

- a) free use of system to send mail;
- b) free use of system to receive mail, i.e. login not required for delivery over the Network. (A possible alternative is use of a "mail" account, or use of the recipient's account, for processing and storage of the incoming mail.) 3b7c1a

TEXT / FILE / CITATION 3b8

TEXT 3b8a

This field is for the text of the mail message. 3b8a1

FILE 3b8b

The purpose of this field is unclear to me. Does it contain a machine readable pointer to the file that the sender wishes the recipient to read? 3b8b1

CITATION 3b8c

The citation is a person-readable pointer to the file that the sender wishes the recipient to read. 3b8c1

An alternative to sending entire messages or files over the Network is to use the "CITATION" mechanism. With this, the sender sends a short message (the citation) saying, in effect, "please read file X at site Y". 3b8c2

This alternative would be especially useful for 3b8c2a

a) mail that is distributed with group idents (to all liaisons, for example), and 3b8c2b

b) "long" files (size not defined) that the recipient may not be immediately interested in. 3b8c2c

However no method of enforcing use of this alternative was discussed. It will be up to the recipients to devise a scheme satisfactory to them.

3b8c2d

Other General Discussion

3c

Bob Kahn placed on the floor the following question (I paraphrase):

3c1

Can't the design of a mail system be made to include alternative sources of data and alternative modes of operation, unless exclusion of these alternatives can be quantitatively defended?

3c1a

Particular aspects of this question are:

3c1b

1) What is the desirability and difficulty of admitting different data sources into the mail system?

3c1c

What are the "boundaries" that divide permitted from prohibited data sources?

3c1c1

What is the quantitative distinction between deferred and realtime mail?

3c1c2

Will the design we come up with allow such things as

3c1c3

a) handling a calendar that reflects the known and anticipated whereabouts of people so that meetings can be scheduled sensibly?

3c1c3a

b) formatting the mail contents for later query and other information handling?

3c1c3b

2) Whatever primitives we implement, can't they be designed so as not to preclude things like Tenex "linking"?

3c1d

This requires two-way data communication paths.

3c1d1

How do we specify and get the attention of a "sink" for the data stream?

3c1d2

e.g., for interprocess communication, and for Tenex-type "linking".

3c1d2a

The general reaction to this discussion was one of perspective: 3c2

In the scheme of things that could be considered "point-to-point communication", mailbox-type of communication is not the most general kind. 3c2a

AKB listed several types of communication problems: 3c2b

program-program communication
people-people real-time communication, e.g.
Tenex-type "links"
computer teleconferencing
mailbox communication: cataloging, storage
protocols: host-host, telnet, file transfer 3c2b1

A design for a mailbox-type system won't be required to encompass the problems of, say, a computer teleconferencing system, which has attributes (real-time, video, very large volume of data to be transferred, to name some) that are not attributes of a mail-box system. 3c2c

Attendees at the Network Mail Meeting 2/23/73 at SRI-ARC 4

	Nancy Mimno	EBN	
ACB	Alan Bomberger	AMES-67	
AKB	Abhay Bhushan	MIT-DMCG	
AWH	Wayne Hathaway	AMES-67	
CHI	Charles Irby	SRI-ARC	
DHC	Dave Crocker	UCLA-NMC	
JBP	Jon Postel	UCLA-NMC	
JDH	Dave Hopper	SRI-ARC	
JEW	Jim White	SRI-ARC	
LPD	Peter Deutsch	PARC-MAXC	
MCK	Mark Krilanovich	UCSB-MOD75	
MDK	Mike Kudlick	SRI-ARC	
REK2	Bob Kahn	ARPA	
RKK	Rajendra Kanodia	MIT-MULTICS	
RST	Ray Tomlinson	BBN-TENEX	4a

4b

14798 Distribution
North, Jeanne B. ,

Details of March 5 TELNET Protocol Meeting

The TELNET Protocol meeting will be held, as advertised, on March 5 at UCLA. It will start at 9:00am in Room 400, Kerckhoff Hall. 1

Directions to the vicinity of Kerckhoff Hall from the LA airport are as follows: 1a

North on San Diego Freeway to Wilshire Blvd. 1a1

East on Wilshire Blvd. to Westwood Blvd. (distance of about 3 blocks) 1a2

North on Westwood Blvd. to "parking kiosk" 1a3

Tell the parking attendant that you're going to a meeting in Kerckhoff Hall and park where he tells you. He can also tell you where Kerckhoff Hall is from the assigned parking area. 1a4

The following individuals have indicated their intention to attend: 1b

A. McKenzie (BBN) 1b1

J. Postel (UCLA) 1b2

B. Cosell (BBN) 1b3

M. Padlipsky (MIT) 1b4

P. Deutsch (XEROX) 1b5

J. Davidson (Hawaii) 1b6

R. Thomas (BBN) 1b7

M. Reise (FNWC) (observer) 1b8

R. Braden (UCLA) 1b9

S. Wolfe (UCLA) 1b10

14803 Distribution

Postel, Jonathan B. , Cosell, Bernie P. , Padlipsky, Michael A. ,
Deutsch, L. Peter , Davidson, John , Thomas, Robert H. , Reins, E. R.
(Dick) , Braden, Robert T. , Wolfe, Stephen M. ,

Details of March 5 TELNET Protocol Meeting

(J14803) 27-FEB-73 7:16; Title: Author(s): McKenzie, Alex A. /AAM;
Distribution: /JBP BPC MAP LPD JD RHT ERR RTB SMW; Sub-Collections: NIC;
Clerk: AAM;

The recent distribution of Resource Notebook updates

Dear Jeanne,

I have just spent over an hour trying to update my copy of the Reasource Notebook. I think I have it right, but I'm not sure, and not sure how to be sure. Among my complaints are:

- 1) The holes in many of the newly-distributed sections are drilled just a little bit wrong. This makes it VERY hard to put them into any ordinary binder.
- 2) There is no overall list of the order of "pages in the notebook. This makes it hard to sit down and put old pages, new pages, section deviders, etc. in the right order.
- 3) I think its inexcusable that you (NIC) chose to not reprint the figures which were to be saved from the previous versions of the notebook. If the NIC had done the colation once (before Xeroxing, printing, or whatever) you would have saved 100 or more people from doing the collating themselves.
- 4) Referring to the same Figures mentioned in point three, its difficult to tell where to put them in the new document because there are no "skipped" page numbers. I am sure that NLS lets you print a blank (but numbered) page so that one would have a better idea of the intended collating sequence of the Figures, and a clue that something was wrong ifa Figure were inadvertantly omitted.
- 5) I don't have a divider for CCA for the "SERVEE" Section, but it's listed in the Table of Contents. Does this apply only to me or to everyone?

1

AAM 27-FEB-73 9:33 14804

The recent distribution of Resource Notebook updates

(J14804) 27-FEB-73 9:33; Title: Author(s): McKenzie, Alex A. /AAM;
Distribution: /JBN; Sub-Collections: NIC; Clerk: AAM;

There's no <NIC>NGGINDEX.NLS !

1

(J14805) 27-FEB-73 19:48; Author(s): Owen, A. D. (Buz) /ADO;
Distribution: /JBN; Sub-Collections: NIC; Clerk: ADO;

MY FIRST JOURNAL SESSION

THIS IS MY FIRST JOURNAL MESSAGE. I AM TRYING TO LEARN TO USE NLS. I THINK THE PAGE NUMBERS IN THE TNLS BEGINNERS GUIDE TABLE OF CONTENTS (7 AUG 72) ARE INCORRECT. ALSO, THE SAMPLE JOURNAL SESSION GIVEN IN THE ABOVE GUIDE SHOULD DEMONSTRATE MESSAGE TEXT AT LEAST TWO LINES LONG SO THE LEARNER CAN FIGURE OUT HOW TO GO ON TO THE NEXT LINE OF THE MESSAGE TEXT. ALSO, THE ABOVE MENTIONED MANUAL DOESN'T SEEM TO BE VERY UP TO DATE WHICH IS A LITTLE CONFUSING.

1

MY FIRST JOURNAL SESSION

(J14806) 27-FEB-73 18:57; Title: Author(s): Walden, David C. /DCW3;
Distribution: /MDK; Sub-Collections: NIC; Clerk: DCW3;

QUESTOION

CAN I SEND A JOURNAL MESSAGE WHICH DOES NOT GO INTO THE NIC
SUBCOLLECTION?

1

DCW3 27-FEB-73 18:59 14807

QUESTOION

(J14807) 27-FEB-73 18:59; Title: Author(s): Walden, David C. /DCW3;
Distribution: /MDK; Sub-Collections: NIC; Clerk: DCW3;

Novice/Expert Club Meeting Invitation

Friday, March 2 at 1:30 in the Conference Room. Please bring along the stuff you've been doing in this area since the last meeting.

1

Novice/Expert Club Meeting Invitation

(J14808) 27-FEB-73 14:36; Title: Author(s): Kaye, Diane S. /DSK;
Distribution: /jfv mdk mfa dvn ; Sub-Collections: SRI-ARC; Clerk:
DSK;

Response to (14744,)

re (14744,) thanks for looking ok i give up. I got the 7%
thing.. well it must have been valuable stuff. Jim

1

JCN 27-FEB-73 7:07 14809

Response to (14744,)

(J14809) 27-FEB-73 7:07; Title: Author(s): Norton, James C. /JCN;
Distribution: /dia ; Sub-Collections: SRI-ARC; Clerk: JCN;

NLS GLITCH, Underscore Represented as Vertical Bar for Net TTYS

There is a key on the display keyboards that causes some internal character to get inserted in a file.

1

On a display, it's represented as an underscore (with no character frame advance). It also illicitly 'illegal character'.

1a

On a Network tty, it appears as a vertical bar.

1b

How about mapping it into the pair UNDERSCORE BACKSPACE for Network ttys?

2

3

JEW 27-FEB-73 13:49 14810

NLS GLITCH, Underscore Represented as Vertical Bar for Net TTYS

(J14810) 27-FEB-73 13:49; Title: Author(s): White, James E. (Jim)
/JEW; Distribution: /bugs ; Sub-Collections: SRI-ARC BUGS; Clerk: JEW;
Origin: <WHITE>TEST.NLS;4, 27-FEB-73 13:43 JEW ;

Is there an interpreter for Knuth's hypothetical computer, MIX, together with an assembler for the MIX assembly language, MIXAL, available on any ARPA Network Host? If not, will not some Network Host make them available (cheaply)? -- it would be of considerable service to all of us who are students of the "Art of Computer Programming."

1

NWG/RFC# 473
MIX and MIXAL?

DCW3 28-FEB-73 6:55 14811

(J14811) 28-FEB-73 6:55; Title: Author(s): Walden, David C. /DCW3;
Distribution: /NLG NSAG NAG; Sub-Collections: NIC NLG NSAG NAG; RFC#
473; Clerk: DCW3;

14811 Distribution

Coley, Anita L. , Mostrom, Carol J. , Dunn, Robert M. , Reid, Joseph B. , Misencik, William T. , Sakai, Toshiyuki , Pouzin, Louis , Lundh, Yngvar , Hinckley, Robert H. , Zelkowitz, Marvin , Cowan, Donald , Pepper, Marianne ; Dixon, Louis F. , Lee, Ted , O'Malley, Michael , Kirstein, Peter , Farber, David J. , Twyver, Dave , Bernstein, Art J. , Liddle, Dave E. , Showalter, A. Kenneth , Aufenkamp, D. D. , Barber, Derek Leslie Arthur , Schipper, Tjaart , Van Sylke, Richard M. , Aupperle, E. M. , Lipinski, Hubert , LeGates, John C. , Hargraves, Robert F. , Shephard, C. D. , Brown, Maurice P. , Ashenhurst, Robert L. , Falk, Gil , Collins, Ed J. , Blunck, Gary , Heafner, John F. , Beaman, Kathy , King, David J. , Moody, C. Jane , Lemaro, Maria E. , Pitkin, Sue , Fitzsimmons, Jerry , Hicks, Gregory P. , Maxey, Gloria Jean , Peeler, Roberta J. , Baxter, Faye , Fields, Craig , Benedict, James G. , McCauley, Ermalee R. , Iwamoto, Margaret , Larson, Dee , Doane, Robert E. , Odom, Dan , Monroe, Brenda , Reynolds, Dorothy A. , North, Jeanne B. , Cutler, Pam J. Klotz , Barnett, Barbara , Forman, Ernest H. , Golding, Stan , Chipman, Steve G. , Barden, John P. , Ginsberg, Martha A. , Watkins, Shirley W. , Connelly, Linda M. , Troxel, Janet W. , Rosewall, Connie D. , Webster, Linda M. Fink, Robert L. , Meir, Jaacov , North, Jeanne B. , Crocker, Steve D. , Lawrence, Thomas F. , McConnell, John W. , Ollikainen, Ari A. J. , White, James E. (Jim) , Hathaway, A. Wayne , Foulk, Patrick W. , Winter, Richard A. , Van Zoeren, Harold R. , McKenzie, Alex A. , Winett, Joel M. , Bhushan, Abhay K. , Pyke, Thomas N. , Wilber, B. Michael , Feigenbaum, Edward A. , Braden, Robert T. , Pepin, James M. , Wessler, Barry D. , Melvin, John T. , Bassett, Margaret A. (Maggie) , Smith, J. A. , Boone, Leina M. , Jones, Diana L. , Colman, Harold , Neigus, Nancy J. , Sack, Terry , McHale, Frances A. (Toni) , Young, Helen D. , Lee, Susan R. , Gilliard, Lucille C. (Lucy) Martin, Reg E. , Leichner, Gene , Falk, Gil , Iseli, Jean , Donnelley, Jed E. , Kantrowitz, William , Wolfberg, Michael S. , Feinroth, Yeshiah S. , Hurt, James , Hearn, Anthony C. , Stein, James H. , Shoshani, Arie , Harslem, Eric F. , Metcalfe, Robert M. (Bob) , Reussow, Bradley A. , Reins, E. R. (Dick) , Kadunce, Daniel L. , McCutchen, Samuel P. , Petregal, George N. , Madden, James M. , Young, Michael B. , Padlipsky, Michael A. , Stevenson, Schuyler , Deutsch, L. Peter , Davidson, John , O'Sullivan, Thomas , Seroussi, Sol F. , Bradner, Scott , Thomas, Robert H. , Thomas, John C. , Romanelli, Michael J. , Stoughton, Ronald M. , Owen, A. D. (Buz)

Please send me copies of 10159, 8302, 7955 and 4697. These are all unknown documents to the Journal's "Distribute Document" command. Thanks...Buz

1

(J14818) 27-FEB-73 21:08; Author(s): Owen, A. D. (Buz) /ADO;
Distribution: /SL; Sub-Collections: NIC; Clerk: ADO;

Excuse that last note, I sent it to the wrong ident.

1

ADO 27-FEB-73 21:10 14819

(J14819) 27-FEB-73 21:10; Author(s): Owen, A. D. (Buz) /ADO;
Distribution: /SL; Sub-Collections: NIC; Clerk: ADO;

Please send me copies of 10159, 8302, 7955 and 4697. These are all "NO SUCH DOCUMENT"s to the Journal's "Distribute Document" command. Thanks...Buz.

1

(J14820) 27-FEB-73 21:14; Author(s): Owen, A. D. (Buz) /ADO;
Distribution: /SRL; Sub-Collections: NIC; Clerk: ADO;

I see by more careful reading of the catalog that there are
apparently no ngg notes issued, hence there is no reason for an
NGGINDEX file. Sorry to trouble you. Buz

1

(J14821) 28-FEB-73 17:56; Author(s): Owen, A. D. (Buz) /ADO;
Distribution: /JBN; Sub-Collections: NIC; Clerk: ADO;

BAH 28-FEB-73 10:54 14822

FEB 18-24, 1973, A Week In Review

FEB 18-24, 1973, A Week In Review

WEEKLY ANALYSIS REPORT:

1

(ARC)

2

2a

WEEK: FEB 18-24, 1973 (24 HOURS/DAY)

2a1

2a2

IDENT	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU	2a3	2a4
(DIA)	.086	4.260	.020	.2	50:1	2a5	2a6
(MFA)	.324	8.541	.038	.9	26:1	2a7	
(WLB)	.393	10.128	.039	1.1	26:1	2a8	
(KFB)	.083	5.554	.015	.2	67:1	2a9	
(CFD)	.690	14.136	.049	1.9	20:1	2a10	
(DCE)	2.403	57.294	.036	5.6	28:1	2a11	
(JAKE)	.459	16.559	.028	1.2	36:1	2a12	
(WRF)	.259	9.526	.027	.7	37:1	2a13	
(BAH)	.525	11.016	.048	1.4	21:1	2a14	
(MEH)	.663	15.846	.042	1.8	24:1	2a15	
(JDH)	.173	3.664	.047	.5	21:1	2a16	
(CHI)	1.641	23.171	.071	4.5	14:1	2a17	
(MEJ)	.207	15.802	.013	.6	77:1	2a18	
(DSK)	.688	17.840	.039	1.9	26:1	2a19	
(KIRK)	1.261	40.539	.031	3.4	32:1	2a20	
(MDK)	.415	16.427	.025	1.1	40:1	2a21	

FEB 18-24, 1973, A Week In Review

(LLL)	.160	11.349	.014	.4	71:1	2a22
(SRL)	.053	2.712	.020	.1	50:1	2a23
(HGL)	.599	12.981	.046	1.6	22:1	2a24
(NDM)	4.663	17.836	.261	12.7	4:1	2a25
(EKM)	.614	24.811	.025	1.7	40:1	2a26
(JBN)	.233	11.697	.020	.6	50:1	2a27
(JCN)	2.074	35.819	.058	5.6	17:1	2a28
(JCP)	2.340	21.211	.110	6.4	9:1	2a29
(JR)	-	-	-	-	-	2a30
(PR)	.071	3.209	.022	.2	45:1	2a31
(JFV)	.162	3.450	.047	.4	21:1	2a32
(EKV)	-	-	-	-	-	2a33
(DVN)	.657	16.444	.040	1.8	25:1	2a34
(KEV)	1.307	24.359	.054	3.6	18:1	2a35
(DCW)	.453	15.424	.029	1.2	34:1	2a36
(RWW)	.094	3.912	.024	.3	42:1	2a37
(JEW)	.130	5.875	.022	.4	45:1	2a38
			-----	-----		2a39
(TOTAL)				64%		2a40
(AVERAGE)			.044			2a41
						2a42
HIGHEST CPU:		NDM 4.663 hrs		LOWEST CPU:	SRL	2a43
.053 hrs						
HIGHEST CON:		DCE 57.294 hrs		LOWEST CON:	SRL	2a44
2.712 hrs						

FEB 18-24, 1973, A Week In Review

HIGHEST CPU/CON: NDM .261
77:1

HIGHEST CON/CPU: MEJ

2a45

2a46
2b

(RADC)

WEEK: FEB 18-24, 1973 (24 HOURS/DAY)

2b1
2b2

NAME DIR	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU
-------------	---------	---------	---------	-------	---------

2b3

2b4

(JHB)BAIR 167	.216	13.904	.016	.6	62:1
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2b5

2b6

(WPB)BETHKE 22	.030	2.043	.015	.1	67:1
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2b7

(JPC)CAVANO 47	.036	2.258	.016	.1	62:1
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2b8

(RFI)IUORNO 18	.003	.146	.021	0	48:1
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2b9

(FSL)LAMONICA 18	.002	.036	.056	0	18:1
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2b10

(TFL)LAWRENCE 81	.077	6.133	.013	.2	77:1
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2b11

(JLM)MCNAMARA 115	.108	10.886	.010	.3	100:1
----------------------	------	--------	------	----	-------

2b12

(RBP)PANARA 72	.043	2.075	.021	.1	48:1
-------------------	------	-------	------	----	------

2b13

(MDP)PETELL 20	.001	.108	.009	0	111:1
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2b14

(RADC)RADC 45	.132	6.969	.019	.4	53:1
------------------	------	-------	------	----	------

2b15

FEB 18-24, 1973, A Week In Review

(WER)RZEPKA 62	.129	11.188	.012	.4	83:1	2b16
(FPS)SLIWA 28	.051	3.733	.014	.1	71:1	2b17
(JRS)STELLATO 37	.003	.175	.017	0	59:1	2b18
(DLS)STONE 160	.547	17.439	.031	1.5	32:1	2b19
---	-----	-----		-----		2b20
(TOTAL) 892	1.378	77.093		3.8		2b21
(PER CENT TOTAL DISK CAPACITY) 1.8%						2b22

(XEROX)

WEEK: FEB 18-24, 1973 (24 HOURS/DAY)

NAME	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU	
(DDC)COWAN	-	-	-	-	-	2c1 2c2 2c3 2c4
(LPD)DEUTSCH	.132	2.418	.055	.4	18:1	2c5 2c6
(CMG)GESCHKE	.042	1.877	.022	.1	45:1	2c7
(EMM)MC-CRGHT	-	-	-	-	-	2c8
(RMM)METCALFE	-	-	-	-	-	2c9
(JGM)MITCHELL	.108	2.566	.042	.3	24:1	2c10
(EHS)SAT-WTE	.656	20.681	.032	1.8	31:1	2c11 2c12

FEB 18-24, 1973, A Week In Review

(RES)SWEET	.111	5.679	.020	.3	50:1	2c13
(WHP)PAXTON	.016	.513	.031	0	32:1	2c14
	-----	-----		-----		2c15
(TOTAL)	1.065	33.734		2.9		2c16

2c17
2d

(NETUSERS) TOP FIVE

WEEK: FEB 18-24, 1973 (24 HOURS/DAY)

NAME	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU	
						2d1 2d2
						2d3 2d4
MITRE-TIP	1.427	43.724	.033	3.9	30:1	2d5 2d6
UCSB	.506	9.144	.055	1.4	18:1	2d7
(RES)NBS-TIP	.254	9.365	.027	.7	37:1	2d8
UCLA-NMC	.247	11.055	.022	.7	45:1	2d9
GUEST	.152	4.442	.034	.4	29:1	2d10
	-----	-----		-----		2d11
(TOTAL)	2.586	77.730		7.1		2d12

BAH 28-FEB-73 10:54 14822

FEB 18-24, 1973, A Week In Review

(J14822) 28-FEB-73 10:54; Title: Author(s): Hardeman, Beauregard A.
/BAH ; Distribution: /SRI-ARC DLS TFL JHB LPD JGM ;
Sub-Collections: SRI-ARC RADC ; Clerk: BAH ;

A sample usage of nls journal system

The journal system seems slow

A sample usage of nls journal system

EXAMPLES

(nic,locator,1)	1
(@10)	1a
(dvn,)	1b
(:mK)	1c
(mfa,:1;["DVN"]);)	1d
	1e

A sample usage of nls journal system

(J14823) 28-FEB-73 11:39; Title: Author(s): Reeve, Christopher L. ,
Metcalfe, Robert M. (Bob) /CLR RMM; Distribution: /CLR MFA; Keywords:
junk garbage trash; Sub-Collections: NIC; Obsoletes Document(s): 14751;
Updates Document(s): 14751; Clerk: CLR;

more

Nancy -- I'm at CompCon all week, so I won't get to see the new and improved Notebook till next week. NIC has, in fact, been a drag, fo work, for the past week or so.

Mail meeting was usefull in that most of the functions that such a distributed facility should have got stated and included in the protocol. The protocol is actually enough to warrant a separate protocol, but will probably be kept withinn ftp. I suggested a feature which nobody thought was interesting, but I'm going to write a note for the ftp meeting to explain it.

It boils down to telling a sender of mail that you the receiver of this particlular peice of mail will not accept it, but to try some other (specified) host. In effect you give an alternate pathname. This could be done as a reply code. Noone would be required to be able to generate the code (i.e., use the facility) and noone would be required to do anything with the reply code, if received. But a receiver of the code would have to recognize it as a valid code.

It is a minor suggestion, but could be a useful system.

later.

more

(J14824) 28-FEB-73 18:05; Title: Author(s): Crocker, David H. /DHC;
Distribution: /NJN; Sub-Collections: NIC; Clerk: DHC;

Suggestion for the MESSAGE command in the EXEC

The EXEC's MESSAGE command should look for a message file in the login directory, not the connected directory. Also, it would be neat if the EXEC went into a special mode when you type ";" so that it would NOT give the COMMAND TOO LONG message when you are in the middle of dialogue.

Suggestion for the MESSAGE command in the EXEC

(J14825) 28-FEB-73 8:42; Title: Author(s): Andrews, Don I. /DIA;
Distribution: /KEV DCW WRF; Sub-Collections: SRI-ARC; Clerk: DIA;

DLS 28-FEB-73 10:10 14826

PROPOSAL FOR ADDITIONAL AHI TERMINALS

Pleas review this and be ready for discussion at meeting 28 Feb 73.

PROPOSAL FOR ADDITIONAL AHI TERMINALS

During the summer of 72 the terminal requirements for the ISI branch for the AHI evaluation project were specified and approved.

The approved buy and current status are:

User Type	numb.	Teleprinter		Display	
		THERMAL	IMPACT	GRAPHIC	TEXT
MANAGERS	4				3
SECRETARY	4		4		
ADMIN	2	1			
ENGINEER	32	10		5	
TOTALS	42	11	4	5	3
CN-HAND		11	0	3	0
CN-ORDER		0	3	0	0
TO-ORDER		0	1	2	3

Since then a number of things have changed.

Additional people have been added to the ISI branch.

Additional people outside the initially planned experimental group have started using the system or have indicated a desire to do so.

We have been unable to order the TEXT Displays, since their characteristics will be defined to some degree by SRI; who has yet to come up with a design document for ?NLS.

Perhaps most important--we have found that TERMINAL AVAILABILITY is a key factor in motivation to use the system. It seems that terminals

PROPOSAL FOR ADDITIONAL AHI TERMINALS

should be treated like telephones--in the since that one should not have to walk up the hall, find one, bring it back to his desk, etc. We realize that we cannot afford one per person; but perhaps the 1:2 ratio of terminals to engineers is a little too low.

Based on these considerations, we would like to temporarily rearrange the terminal vs user matrix as follows: (I realize that I run the risk of a reorganization which may invalidate these figures; however the totals should remain about the same and if we don't act soon we won't be able to act at all --at least not in FY-73)

	THERMAL	IMPACT	GRAPHIC	TEXT

MANAGERS	4	7*		
SECRETARY	4		4	
ADMIN	2		1	
ENGINEER	36	12		6

TOTALS	46	19	5	6

ON-HAND		11	0	3
ON-ORDER		0	3	0

TO-ORDER		8	2	3

* The 7 managers include the 4 in ISI and Bill Bethke, Col. Thayer, and Danny Loretto. When the TEXT CRTs are fully specified (probably not until the end of FY-73) the managers will have their teleprinters replaced with CRTs.

We could purchase the 8 teleprinters (Texas Instrument-700's this time) and the 3 graphics (IMLACS) terminals before the end of the year if we get the OK before 1 MARCH 73. Any later than this and we run the risk of a delivery date later than 30 JUNE 73. There is little or no risk in buying these terminals since they have proven reliable and useful both

PROPOSAL FOR ADDITIONAL AHI TERMINALS

at RADC and at SRI. The cost would be roughly 25K for the TI-700's and 48K for the IMLACs.

We could also order 2 more TYCOMs for the secretaries, however I would prefer to have the first 2 in use for a month or so before ordering more. If we get them in the next month (which we should) we still may have time to order the last two--particularly if we have already processed the approval through Hq. AFSC.

If this plan is followed (and the managers' teleprinters are eventually replaced with CRTs) it would result in 25 terminals for 36 engineers in the ISI branch; or roughly a 2:3 ratio of terminals to engineers. This is a little better than the 1:2 ratio. Past experience has shown that there are generally 1-3 terminals unavailable at any given time; either because they're in the shop for maintenance or some one is borrowing them for use with the H635/645.

A note of caution--We will have to install more TIP phones or start putting in local lines in the building to accomodate the additional terminals.

It would also be desireable to get a rotary switch for the TIP so there is only one or two numbers to remember.

An alternative to this would be to engrave a TIP number on each terminal and that number, and only that number, would be used in calling the TIP from that terminal.

PROPOSAL FOR ADDITIONAL AHI TERMINALS

(J14826) 28-FEB-73 10:10; Title: Author(s): Stone, Duane L. /DLS;
Distribution: /jlm ejk jhb tfl ; Sub-Collections: RADC; Clerk: DLS;
Origin: <STONE>TERMBUY.NLS;1, 27-FEB-73 8:55 DLS ;

Reply to Jake's "Nit-picking" 14745

It is too bad that Jake is a victim of small black marks. 1

In order to see what new and undocumented tab bugs she had discovered, I loaded the file she pointed to. It was a mess. There were altogether 2 things wrong. 2

1. The data had been entered at one level and moved two levels up at a later time. It lined right up as soon as I moved it to the level at which it was generated. 2a

2. One item was off by a column because the data was entered at a time when tabbing on a tabstop required an extra tab. (Fixed late September.) 2b

After discussing this with Jake, three things were evident. 3

1. She had not really gotten the fact that tab-text is influenced by statement levels. 3a

3. She has produced no evidence of current tab bugs, i.e. tabs operating in a manner other than promised. 3b

2. She has some old data generated at a time when there were known bugs. This needs to be rectified by hand. No straightforward tab to spaces conversion program will handle these properly. 3c

In addition, she expressed a desire to influence major design changes with respect to tabs. 4

I recommended that, as a member of the ARC user community she take the normal appropriate action to get her design ideas before the proper committee for review, so that resources may or may not be allocated to such a project. 5

Reply to Jake's "Nit-picking" 14745

(J14827) 28-FEB-73 9:42; Title: Author(s): Kaye, Diane S. /DSK;
Distribution: /sri-arc ; Sub-Collections: SRI-ARC; Clerk: DSK;
Origin: <KAYE>JOUR.NLS;2, 28-FEB-73 9:34 DSK ;

just trying out the journal reenter command in xals. This entry was severely chopped up after submission was begun. The command is in both d and tals.

1

(J14828) 27-FEB-73 20:58; Author(s): Hopper, J. D. /JDH;
Distribution: /chi dsk hgl ; Sub-Collections: SRI-ARC; Clerk: JDH;

please tell butch that I have been taking an advanced tnl course here atSRI. I have learned, or begun to learn, a number of neat tricks abouthandling NIC files, which could be useful in AI as well as speech processing. I shall be here Thursday morning to look into some printing-publishing matters, and will be back on Friday.

1

(J14829) 28-FEB-73 11:39; Title: Author(s): Barden, John P. /JPB;
Distribution: /ELG MJM2; Sub-Collections: NIC; Clerk: JPB;

A Note of Thanks on the NLS Instruction

I have certainly appreciated this course. I believe that much I have learned will be useful on our STEP-EDITOR system at Case. I also believe I can function somewhat as a librarian for people there who want to know whether very specific subject matter materials are anywhere in the NIC collection.

1

A Note of Thanks on the NLS Instruction

(J14830) 28-FEB-73 11:47; Title: Author(s): Barden, John P. /JPB;
Distribution: /MDK; Sub-Collections: NIC; Clerk: JPB;

Can't make it Mar. 5

Sorry, I won't be able to make it to the TELNET meeting. My Ph.D. thesis is at a particularly critical stage and I can't spare the time and energy. I will try to produce a short document that summarizes my views and distribute it by the 5th. I WILL be at the FTP meeting on the 16th.

1

Can't make it Mar. 5

(J14831) 28-FEB-73 10:57; Title: Author(s): Deutsch, L. Peter /LPD;
Distribution: /AAM; Sub-Collections: NIC; Clerk: LPD;

letter

Sample letter

1

(ies) Dr. Ivan E. Sutherland
69 University St
Salt Lake City, Utah

1a

this is some test of the letter

1b

(swrs) Sincerely yours,

William R. Sutherland
BBN

1c

letter

(J14832) 28-FEB-73 11:39; Title: Author(s): Sutherland, Bert R.
/WRS2; Distribution: /WRS2; Sub-Collections: NIC; Obsoletes Document(s):
14751; Clerk: MAR;

NLS Windup

We are nearing the completion of the NLS EXEC course which has been intensive, educational, and enlightening. The power of the system is fascinating, but it will take long hours of practice to even begin to recognize its true potential. In addition, we can not even begin to touch the power of the system with our current tty machine. NLS responds by necessity to upper and lower case functions. one piece of info regards the TI machines.

1

subject: ti printers.

1a

sri leases model 720's for about \$100/month.

1a1

they lease from worldcom,inc whose address and ph number are

1a2

9982 monroe drive dallas, texas 75220

1a2a

(214) 358-2561

1a2b

9982 monroe drive dallas, texas 75220

1a2c

(214) 358-2561

1a2d

NLS Windup

(J14833) 28-FEB-73 11:49; Title: Author(s): Young, Michael B. /MBY;
Distribution: /EPS BAD; Sub-Collections: NIC; Clerk: MBY;

Measurements: TNLS output commands

MEASUREMENTS OF OUTPUT COMMANDS 2/27/1973 16:00-17:20 1

Notes: 2

Output Quickprint, Device Printer, and Device COM: a non-default file was specified; CM at 0 +1 2a

Print Branch: branch .0; default viewspecs 2b

Measurements: CPU time / load average 2c

JTITLE = <meyer>jtitle.nls;5 about the same size as 2000 char file, but with directives 2d

1000, 2000, 3000, 4000 char file are <ijournal>14053,4,5,6 2e

MEASUREMENTS: 3

Print	Output	Output Device	Output Device	Print	
Journal	Quickprint	Printer	COM	Branch	
Null file 1.2/1.96	0.4/1.93	1.4/1.92	1.5/1.99	0.3/1.98	3a
1000 char 3.7/2.40	0.7/3.31	3.3/3.82	3.5/3.38	2.6/3.18	3b
2000 char 5.4/2.20	1.1/2.57	4.3/2.83	5.1/2.31	4.3/2.41	3c
JTITLE 5.3/2.76	0.8/2.52	6.0/2.50	7.2/2.15	3.9/2.13	3d
3000 char 7.2/2.17	1.1/3.51	6.2/2.60	7.1/2.60	5.9/3.50	3e
4000 char 9.4/3.01	1.3/3.01	7.7/3.14	9.2/3.63	7.7/3.69	3f
					3g

Measurements: TNLS output commands

(J14834) 27-FEB-73 17:56; Title: Author(s): Meyer, N. Dean /NDM;
Distribution: /PR; Sub-Collections: SRI-ARC; Clerk: NDM;
Origin: <MEYER>MEASOUT.NLS;1, 27-FEB-73 17:55 NDM ;

archiving

Dirk-- Is there any way of listing the files in your directory that have been archived? When I finally managed to get into the NIC today I found my directory was about half the size I had last seen it in. I presumed the files were archived and found some of them with the INTERROGATE command. But I can't remember them all. Help. --Nancy

1

archiving

(J14835) 27-FEB-73 12:13; Title: Author(s): Neigus, Nancy J. /NJN;
Distribution: /DVN; Sub-Collections: NIC; Clerk: NJN;

response to tip gripe of 25-feb

The Tenex hostatus facility correctly reported that SRI-ARC was up. It is an SRI problem that you don't get the herald; there is no way another host can be expected to know about system problems at other sites.

1

response to tip gripe of 25-feb

(J14836) 27-FEB-73 12:26; Title: Author(s): Neigus, Nancy J. /NJN;
Distribution: /IWC; Sub-Collections: NIC; Clerk: NJN;

response to your tip gripes

thanks for sending your information on dead messages to the tip gripes. we are checking them out to see what network phenomena they correspond to.

0940 23-feb ccn: etac was down and belvoir had a power failure isolating you.

1140 23-feb ccn: ccn died.

hope this helps; your messages help us. thanks nancy neigus

1

NJN 27-FEB-73 9:01 14837

response to your tip gripes

(J14837) 27-FEB-73 9:01; Title: Author(s): Neigus, Nancy J. /NJN;
Distribution: /ARH; Sub-Collections: NIC; Clerk: NJN;

Response to tip gripe on the news command

The news command does terminate on a space, but the tip buffers are too large and all the extra stuff that you get is simply what is left in the buffer. However, there will soon be a new tip version that will eliminate this problem. The tip will be able to accept an interrupt from a host and thus be able to flush its buffers on command from the host sending the long typeout. In the meantime do some other work while the news is typing out.

1

NJN 28-FEB-73 6:35 14838

Response to tip gripe on the news command

(J14838) 28-FEB-73 6:35; Title: Author(s): Neigus, Nancy J. /NJN;
Distribution: /MRL ARH; Sub-Collections: NIC; Clerk: NJN;

Please insert the following statements for me into the IMNLS file, and make a loadable file for me; I have had a copy of IMNLS since about the time of ICCG, but have never gotten around to putting the statements I used into IMNLS. I would be glad to do both of these things myself, but I'm not privileged to execute programs or ddt as a NIC user, and sending the edit eliminates the problem of my editing the file when someone else wants to also.

1

(imlac)

1a

saac=12; %SAAC-Tip Imlac%

1a1

ELSE IF OPTION site=saac THEN CONSTANT

1a2

intco=1, intkbd=1, inttmr=1,

1a2a

armwd=72B, logear=0, tablet=0, lvh=1,

1a2b

serint=0, parchk=0, dpage=1B4,

1a2c

lcht=1240B, keybd=stdkbd, loader=40B,

1a2d

ldfmt=4

1a2e

If you'll do this, I'll watch for IMNLS.SAAC to appear in <IMLAC> and thus be able to use DNLS after old versions become invalid, as is eminent. Thanks very much.. Buz Owen

2

(J14839) 1-MAR-73 20:48; Author(s): Owen, A. D. (Buz) /ADO;
Distribution: /DCW; Sub-Collections: NIC; Clerk: ADO;

DVN 1-MAR-73 11:43 14840

Not-so-quick but Dirty training Plans

Response to (14164,)'s call for planning.

Not-so-quick but Dirty training Plans

This is an inadequate and hasty response to (14164,) as it discusses training plans.

1

You may recall that late in January you, Jim Norton, Marilyn, and Mike Kudlick agreed that I would make a survey of ARC training and plans. A rough draft exists in my file (vanNouhuys,train). I hope to finish with that by March 9th.

1a

Dates:

2

I have no really concrete dates to set for training; pending the completion of that plan and the hiring (?) of another person to be devoted to training under the utility contract.

2a

I anticipate no important changes in how we are training in the next 3 months. Yet I have hints about where those changes might come from.

3

Control file will be available in TNLS.

3a

Video taping and NLS continuing education are rather up in the air (14708,).

3b

Our friends at Rome have supported for many years a researcher, Sylvia Meyer, working in the field of computer construction. On her own she has been talking about setting up a system of teaching people NLS, hinting that she will propose for support for such an effort. I think that's wonderful. I intend to get in touch with her and invite her to a TNLS class.

3c

As part of the general training, survey, and plan I will propose some other attention from outside experts.

3d

Level of Effort: For the next 3 months I imagine about 25% of my time going into training (14708,), about the same for Marilyn, and about 10% of Mike's time.

4

Other people tend to become involved in training activities around ARC where training is really a part of the atmosphere, e.g., Kirk has proposed giving a display NLS class for the people who do not presently use display.

4a

The whole question of level of effort given to training is even more muggy than other levels of effort because we spend so much time answering one another's questions.

4b

I expect that there will be substantial replanning of training in

Not-so-quick but Dirty training Plans

the next three months which will appear as altered schedules and levels of effort during the summer as we approach the utility.

5

14840 Distribution

Watson, Richard W. , Norton, James C. , Auerbach, Marilyn F. ,
Kelley, Kirk E. , Lawrence, Thomas F. , Neigus, Nancy J. , Kudlick,
Michael D. ,

DVN 1-MAR-73 11:43 14840

Not-so-quick but Dirty training Plans

(J14840) 1-MAR-73 11:43; Title: Author(s): Van Nouhuys, Dirk H.
/DVN; Distribution: /RWW JCN MFA KIRK TFL NJN MDK; Sub-Collections:
SRI-ARC; Clerk: DVN;
Origin: <VANNOUHUYS>TRAINPLNS.NLS;4, 1-MAR-73 11:33 DVN ;

COM (Computer Output to Microfilm) Plans

- 1) I have discussed these plans with Walter and am much indebted to Dean Meyer
- 2) I plan to send a copy to Mark Brown at DDSI.

COM (Computer Output to Microfilm) Plans

This journal item responds hastily and inadequately to (14164,). 1

More fully developed plans for COM should fall out from my greater attention to DPCS in general (14708,), when that happens. 2

Dates: 3

Dates that seem to depend on DDSI: 3a

At present COM is not fully operational. It lacks full justification of proportionally spaced lines and the system for incorporating graphics is untried. We have familiar assurances from DDI that the full justification problem will be solved soon. 3a1

We expect the justification problem to be solved by the end of March and by that time to have made trial runs with graphics. We expect the first graphic runs to be with the all-purpose handout (vanNouhuys,handout,). 3a2

As soon as justification and graphics are running, we will attempt to put out last year's report (10575,) and the Output Processor Users' Guide including COM. We might print by the end of April 3a3

As soon as DDSI fixes their bugs, Dean will offer a program which takes journal files and formats them with a standard format for COM, including the creation of a title page. 3a4

This program will then be made to run on non-journal files. 3a5

Then it will be made interactive, so that the user may choose from a library of formats. 3a6

Dean expects to have standard headings available for most ARC purposes by the end of April. 3a7

If we don't meet these dates because of continuing problems at DDSI, we will have to consider looking for other support. 3a8

Hopes: 4

We hope to get a proposal from DDSI (John Kroemer) on a local COM simulator using standard dot-matrix storage tube displays and the III-8 with DDSI maintained software for local slow-speed low-resolution proofs. 4a

COM (Computer Output to Microfilm) Plans

We will investigate speeding up DDSI turnaround time by sending data over the network to a site near DDSI. Perhaps they could log in to our system via telephone to a Net site and directly read our <COM> directory.

4b

In general We am holding on this idea until we are running NLS on the II machine or not.

4b1

We hope (14384,) to have more inquiries from the NET into the possibility of printing documents with a greater range of type faces.

4c

In the next three months we will have to think about procdures for handling files from the net for COM, supplying sample formats and help to people outside ARC (the Sigart Newsletter would be a good place to start), and billing procedures so we can charge them and DDSI can charge us

4c1

Long-Distance-Xerography might be used as a method of getting proofs from DDI to Net sites quickly. It may be worth setting up a LDX transmitter at DDSI at some time in the future, depending on Net response to COM.

4c2

Level of Effort:

5

I blindly guess that over the next 3 months about 10% of my time will be spent on COM, mostly monitoring our dealings with DDSI, but also including working on standard formats, general reading in the area, and visits to DDSI and possibly other relevant establishments (13131,) as part of the larger DPCS effort.

5a

I expect about half of Dean Meyer's half-time (that is 25% of a man) will be devoted to COM during that time, the rest to be devoted as I see to it for output processor problems and other user programs.

5b

I expect about 5% of Walter Bass's time to be devoted to COM in the next 3 months, cleaning out crud and possibly adding new commands.

5c

Appendix:r COM jobs in process:

6

BBN TIP Users' Guide

6a

DCE Paper: Coordinated Information Services...

6b

Viewspect cards

6c

JCN Business Cards: 10 different styles

6d

COM (Computer Output to Microfilm) Plans

Output Processor Users' Guide	6e
Network Resource Notebook	6f
NIC Catalog	6g
Library of formats	6h

14841 Distribution

Watson, Richard W. , Norton, James C. , Meyer, N. Dean , North,
Jeanne B. , Bass, Walt , Auerbach, Marilyn F. , Coles, L. Stephen ,
Fikes, Richard E. , Engelbart, Douglas C. ,

DVN 1-MAR-73 17:49 14841

COM (Computer Output to Microfilm) Plans

(J14841) 1-MAR-73 17:49; Title: Author(s): Van Nouhuys, Dirk H.
/DVN; Distribution: /RWW JCN NDM JBN WLB MFA LSC REF DCE;
Sub-Collections: DPCS SEI-ARC; Clerk: DVN;
Origin: <VANNOUHUYS>COMPLANS.NLS;5, 1-MAR-73 17:43 DVN ;.LBS;

Transmittal of Final Version of The Augmented Knowledge Workshop
Paper to W. P. Bethke

Bill,

1

We are now mailing to you the FINAL version of our paper "The Augmented Knowledge Workshop" dated 1 MAR 73 11:05AM and are also submitting it to the ARC online Journal system as Journal document 14724.

1a

Our mailings to you are twofold:
2 copies to your home address;
2 copies to your RADC office - in order to cover both fronts

1a1

They are being sent AIR MAIL - SPECIAL DELIVERY.

1a2

As Doug Engelbart mentioned, we sent a draft to your home last night. This has changed in 6 minor editing places and should not be used.....the 1 MAR 73 11:05AM copies are the best and LAST ones we offer -- unless you have further needs.

1b

We appreciate your bearing with us in our struggle against time.

1c

But it is done

1d

14842 Distribution

Bethke, William P. , Engelbart, Douglas C. , Watson, Richard W. ,
Stone, Duane L. , Lawrence, Thomas F. ,

JCN 1-MAR-73 12:34 14842

Transmittal of Final Version of The Augmented Knowledge Workshop
Paper to W. P. Bethke

(114842) 1-MAR-73 12:34; Title: Author(s): Norton, James C. /JCN;
Distribution: /wpb dce rww dls tfl (thanks for your help) ;
Sub-Collections: SRI-ARC; Clerk: JCN;

About the demo: call me?

Guane: Call me Monday re the demonstration support we at ARC
should be working on for you. please?

1

About the demo: call me?

(J14843) 1-MAR-73 20:20; Title: Author(s): Norton, James C. /JCN;
Distribution: /dls dvn (for info); Sub-Collections: SRI-ARC; Clerk:
JCN;

What I Tried to Learn about NLS at SRI

<AUERBACH>LINKS.NLS;4, 8-FEB-73 8:50 MFA ;	1
Syntax:	2
(DIRECTORY,FILENAME,STATEMENT:VIEWSPECS;PATTERN;)	2a
STATEMENT = name, number, #marker, @SID	2a1
VALID DELIMITERS	3
()	3a
<>	3b
-- (preceding only)	3c
Defaults	4
DIRECTORY	4a
file owner's directory	4a1
FILENAME	4b
current file	4b1
STATEMENT	4c
origin file if non-current filename; otherwise if entered current statement or if embedded, in statement containing link (:mI)	4c1
VIEWSPECS	4d
current viewspecs	4d1
EXAMPLES	5
(nic,locator,1)	5a
(@10)	5b
(dvn,)	5c
(:mK)	5d
(mfa,:1;["DVN"];)	5e

What I Tried to Learn about NLS at SRI

RELATED COMMANDS

	6
j[ump to] l[ink] CA	6a
SP [NO.]† CA	6a1
SP LINK SPECIFICATION CA	6a2
e[xecute] o[wnership] CA LIT/BUG CA	6b
e[xecute] st[atus] l[ink stack] CA	6c
e[xecute] st[atus] f[ile] CA	6d
j[ump to] f[ile] a[head] CA --	6e
SP [1-5] @ CA	6e1
j[ump to] f[ile] r[eturn] CA --	6f
SP [1-5] & CA	6f1
j[ump to] a[head] CA --	6g
SP [1-5] a CA	6g1
j[ump to] r[eturn] CA --	6h
SP [1-5] r CA	6h1
	6i

What I Tried to Learn about NLS at SRI

(J14844) 28-FEB-73 23:34; Title: Author(s): Barden, John P. /JPB;
Distribution: /DCE DCE; Sub-Collections: NIC; Clerk: JPB;
Origin: <CASE-10>JPB.NLS;1, 27-FEB-73 17:33 JPB ;

request for a new TENEX USER'S guide

I would like a copy of the NEW TENEX USER'S guide. thank you

1

KEV 1-MAR-73 4:15 14845

request for a new TENEX USER'S guide

(114845) 1-MAR-73 4:15; Title: Author(s): Victor, Kenneth E. (Ken)
/KEV; Distribution: /kfb ; Sub-Collections: SRI-ARC; Clerk: KEV;

hi. jusst in case you see this before I see you
o: I forget when I see you, a mac tr on planner
will be happening in the next week or two. but
I've managed to lose the address/names of the
interested parties. also, the question about
whether they can afford it or should it come
form my budget arises again. cheers, map

1

(14846) 1-MAR-73 8:57; Title: Author(s): Padlipsky, Michael A.
/MAP; Distribution: /JP; Sub-Collections: NIC; Clerk: MAP;