

Hardcopy of the EDUCOM Seminar Papers: Location

Doug: In case you wanted hardcopy of the EDUCOM papers I have referred to in (14374,4:xb) .. they are in a red binder in my office, so marked. It makes better browsing. These are "second" copies. The originals are in Xdoc for safe-keeping.

1

Hardcopy of the EDUCOM Seminar Papers: Location

(J14471) 16-FEB-73 17:43; Title: Author(s): Norton, James C. /JCN;  
Distribution: /dce rww (for info) ; Sub-Collections: SRI-ARC; Clerk:  
JCN;

14471 Distribution

Engelbart, Douglas C. , Watson, Richard W. ,

RNB Info

O Caretaker of the Resource Notebook    Beginning with this memo,  
I will funnel to you any info that comes my way which seems to me  
appropriate for inclusion in th RNB.

## RNB Info

Joel Winett (JMW) from Lincoln Labs has just put out an RFC (#452, NIC 14136) describing in detail his User Telnet implementation. Just the kind of documentation that should (at least) be cited in the RNB. It's available, I think, only in hardcopy form. --Jim

1

14472 Distribution

Feinler, Elizabeth J. (Jake) ,

JEW 16-FEB-73 11:41 14472

RNB Info

(J14472) 16-FEB-73 11:41; Title: Author(s): White, James E. (Jim)  
/JEW; Distribution: /jake ; Sub-Collections: SRI-ARC; Clerk: JEW;

DNLS Bug, Recreate Display during Literal Collection Gives JSYS  
Error Message

Whenever a literal is being collected and echoed in an overlay of the file display area (e.g., the text in an 'Insert Statement', or the comments in journal submission), and display is recreated via command from the mouse and keyset, the following is true:

1

(1) If the literal as so far typed is short enough to fit on one line, the literal itself is not regenerated (a blank area is left) UNTIL the next character of the literal is typed.

1a

(2) If the literal extends to a second line, the following error message is generated:

1b

rslit rsda JSYS error

1b1



14473 Distribution

Kaye, Diane S. , Lehtman, Harvey G. , Irby, Charles H. ,

JEW 16-FEB-73 12:10 14473

DNLS Bug, Recreate Display during Literal Collection Gives JSYS  
Error Message

(J14473) 16-FEB-73 12:10; Title: Author(s): White, James E. (Jim)  
/JEW; Distribution: /bugs ; Sub-Collections: SRI-ARC BUGS; Clerk: JEW;  
Origin: <WHITE>BUG.NLS;1, 16-FEB-73 11:44 JEW ;

DNLS Bug, Control-t EXEC Response Preserved in NLS Feedback Area

Control-t while in DNLS causes some portion of the EXEC's response to live forever after in the portion of the feedback area where error messages are displayed.

1

I haven't tried this from more than one display terminal (it's hard enough to get one, more less two); could be a hardware problem (?).

1a

**14474 Distribution**

**Kaye, Diane S. , Lehtman, Harvey G. , Irby, Charles H. ,**

JEW 16-FEB-73 12:17 14474

DNLS Bug, Control-t EXEC Response Preserved in NLS Feedback Area

(J14474) 16-FEB-73 12:17; Title: Author(s): White, James E. (Jim)  
/JEW; Distribution: /bugs ; Sub-Collections: SRI-ARC BUGS; Clerk: JEW;  
Origin: <WHITE>BUG2.NLS;1, 16-FEB-73 12:10 JEW ;

NLS Bug, Deleting Loaded File after Quitting and then Continuing  
gives Illegal Instruction

If you load a file in DNLS, then 'Execute Quit', then delete the  
loaded file with the EXEC's DEL command, then CONTINUE, NLS  
gives the diagnostic "Can't open any files" (which seems fair)  
and then blows up with an illegal instruction at MVBFBF+37.

1

14475 Distribution

Kaye, Diane S. , Lehtman, Harvey G. , Irby, Charles H. ,

JEW 16-FEB-73 12:58 14475

NLS Bug, Deleting Loaded File after Quitting and then Continuing  
gives Illegal Instruction

(J14475) 16-FEB-73 12:58; Title: Author(s): White, James E. (Jim)  
/JEW; Distribution: /bugs ; Sub-Collections: SRI-ARC BUGS; Clerk: JEW;  
Origin: <WHITE>BUG3.NLS;2, 16-FEB-73 12:56 JEW ;



gentlemen:

1

since the last note, we have found that Mike kudlick at sri-arc is in the process of submitting an rfc which overlaps with the subject one. rather than confusing the issue, we (dhc,ji,ehf,gph) have cut back our proposed rfc to complement Mike's. Mike's may be found as (Kudlick,History,:w), at the NIC.

1a

we intend submitting ours concurrently with Mike's on monday. ours is currently (ucla-nmc,nurfc,3:w). if you would like to comment and/or add, please do so by sun. noon; otherwise, your directed responses will be interpreted to mean that you are interested AND will consider coordinating and collaborating through the vehicle Mike suggests.

1b

thank you for your kind consideration and interest and please accept our apologies for the change in circumstance. we look forward to our future coordination, collaboration and contribution to this important issue.

1c

jean/dave/ernie/greg

1d

14476 Distribution

Hicks, Gregory P. , Deutsch, L. Peter , McKenzie, Alex A. , Crocker,  
David H. , Crocker, Steve D. , White, James E. (Jim) ,

(J14476) 15-FEB-73 23:25; Author(s): Iseli, John /JI; Distribution:  
/GPH LPD AAM DHC SDC2 JEW; Sub-Collections: NIC; Clerk: JI;

I have a statement with an embedded carriage-return/tab sequence, and Print Statement (TNLS) doesn't compute the length of the second line properly: it spills over and TENEX does its \*\* thing. I hope Quickprint and the Output Processor will do better when I get around to printing this file

1

14477 Distribution  
Irby, Charles H. ,

LPD 16-FEB-73 1:53 14477

(J14477) 16-FEB-73 1:53; Author(s): Deutsch, L. Peter /LPD;  
Distribution: /NP; Sub-Collections: NIC NP; Clerk: LPD;

MDK 16-FEB-73 17:57 14478

On Partial Copies

This is in response to CHI's request for comments on partial copies (IJOURNAL, 14289, 1:w).

## On Partial Copies

In response to CHI's request (IJOURNAL, 14289, 1:w) for comments about Partial Copies:

1

Our main concerns ought to be

1a

1) that we don't redesign and re-implement a part of the L10-NLS system that is working well, if in fact we can wait till the MPS-NLS system.

1a1

2) that we don't throw out the good aspects of partial copies when we throw out the bad ones.

1a2

This raises two questions:

1b

First, IS the partial copy mechanism working well, and if not then in what respects isn't it working; and

1b1

Second, what ARE the good aspects and the bad aspects of the partial copy mechanism.

1b2

To attempt to answer these questions, I offer the following observations.

2

The partial copy mechanism works well when it is used properly.

2a

I think that two main difficulties cause some users to experience problems in dealing with partial copies.

2a1

The first difficulty, in my opinion, is that users (especially new users) aren't really given an adequate explanation about what partial copies are and how they are to be used.

2a1a

The second difficulty is that Tenex is almost wholly ignorant of the existence of partial copies (as far as what they are used for in NLS), the only exception that I know of being the Archive system that Smokey built.

2a1b

Nevertheless, from what I have observed, the partial copy mechanism is a reasonable and effective way to resolve two ever-present problems with the use of time-sharing systems:

2a2

- the danger of losing your work when the system crashes while you are working on a file

2a2a

- the need to look at a file that someone else is concurrently working on.

2a2b



## On Partial Copies

I certainly think we can live with partial copies for the remainder of the lifetime of the L10-NLS system, provided that we educate users better than we have in the past about its pitfalls, uses, etc.

2b

As part of my preparation for the recent TNLS course, I prepared a memo on partial copies which I used as my "lecture notes".

2b1

From all that I observed, the discussion went well. The persons in the class know what to do and what not to do, at least well enough so that they won't get into difficulties.

2b2

These lecture notes exist in my file (KUDLICK,PARTIALS,1:w), for anyone who cares to use them when having to explain partial copies.

2b3

If we really feel the need to change something, maybe we ought to change Tenex so that it treats a file and its partial copy as one entity.

2c

Namely, Tenex shouldn't allow you to use any of its file operations on a partial copy.

2c1

In addition, any operation performed on a file (such as delete, etc.) would be automatically performed on the partial copy in whatever way is appropriate.

2c2

(There could be special commands to avoid this when absolutely necessary, but they could be "wheel" commands. For the ordinary user the distinction between partial copies and files would disappear at the Tenex level.)

2c2a

My opinion is that we shouldn't do anything about the present partial mechanism in L10-NLS. We can review the whole thing in the MPS design process, and decide what to do there.

3

What we SHOULD do, however, is make a concerted effort to better educate the whole NLS community about partial copies. Not just what the repertoire of NLS commands is, but what partial copies are and what to do with them and what not to do.

3a

MDK 16-FEB-73 17:57 14478

On Partial Copies

(J14478) 16-FEB-73 17:57; Title: Author(s): Kudlick, Michael D. /MDK  
; Distribution: /sri-arc ; Sub-Collections: SRI-ARC; Clerk: MDK;  
Origin: <KUDLICK>PC'S.NLS;5, 16-FEB-73 17:54 MDK ;

#### 14478 Distribution

Van Nouhuys, Dirk H. , Victor, Kenneth E. (Ken) , Wallace, Donald C. (Smokey) , Watson, Richard W. , Andrews, Don I. , Hoffman, Carol B. , Lee, Susan R. , Michael, Elizabeth K. , Dornbush, Charles F. , ARC, Guest O. , Feinler, Elizabeth J. (Jake) , Handbook, Augmentation Research , Kelley, Kirk E. , Meyer, N. Dean , Byrd, Kay F. , Prather, Ralph , White, James E. (Jim) , Vallee, Jacques F. , Kaye, Diane S. , Rech, Paul , Kudlick, Michael D. , Ferguson, Ferg R. , Lane, Linda L. , Auerbach, Marilyn F. , Bass, Walt , Engelbart, Douglas C. , Hardeman, Beauregard A. , Hardy, Martin E. , Hopper, J. D. , Irby, Charles H. , Jernigan, Mil E. , Lehtman, Harvey G. , North, Jeanne E. , Norton, James C. , Paxton, William H. , Peters, Jeffrey C. , Ratliff, Jake , Van De Riet, Edwin K.

Spelling

Dirk ... "Linkletter" spells his name " LICKLIDER ".

1

Spelling

(J14479) 16-FEB-73 8:34; Title: Author(s): Kudlick, Michael D. /MDK  
; Distribution: /dvn ; Sub-Collections: SRI-ARC; Clerk: MDK;

14479 Distribution  
Van Nouhuys, Dirk H. ,

COMMENTARY ON THE NIC JOURNAL SYSTEM

MGM 16-FEB-73 12:31 14480

MGM 16-FEB-73 12:31 14480

COMMENTARY ON THE NIC JOURNAL SYSTEM

(J14480) 16-FEB-73 12:31; Title: Author(s): Morris, Martin G. /MGM;  
Distribution: /JBN DHS MGM HGM; Sub-Collections: NIC; Clerk: MGM;



14480 Distribution

North, Jeanne B. , Stern, Dale H. , Morris, Martin G. , Murray,  
Hallam G. ,

Re TIP gripe: discarding characters

Software is being coded now to handle the problem of the TIP discarding characters; BEL will be typed, rung at your console (depending on what type of terminal you are using) to indicate when you are about to overflow your buffer. This change will appear two TIP versions from now, the next one going out this Tues. 20 Feb., and the second one about a week after that.

1

NJN 16-FEB-73 8:03 14481

Re TIP gripe: discarding characters

(J14481) 16-FEB-73 8:03; Title: Author(s): Neigus, Nancy J. /NJN;  
Distribution: /IWC; Sub-Collections: NIC; Clerk: NJN;

14481 Distribution  
Cotton, Ira W. ,

Promotion Announcement

We are pleased to announce the promotion of Susan Lee to Research Analyst. Susan's assignment will be in the Analysis Group, starting about March 15 after we can hire and train a replacement for her present NIC position.

1

Promotion Announcement

(J14482) 16-FEB-73 17:17; Title: Author(s): Watson, Richard W.  
/RWW; Distribution: /sri-arc ; Sub-Collections: SRI-ARC SRI-ARC; Clerk:  
RWW;

14482 Distribution

Van Nouhuys, Dirk H. , Victor, Kenneth E. (Ken) , Wallace, Donald C. (Smokey) , Watson, Richard W. , Andrews, Don I. , Hoffman, Carol B. , Lee, Susan R. , Michael, Elizabeth K. , Dornbush, Charles F. , ARC, Guest O. , Feinler, Elizabeth J. (Jake) , Handbook, Augmentation Research , Kelley, Kirk E. , Meyer, N. Dean , Byrd, Kay F. , Prather, Ralph , White, James E. (Jim) , Vallee, Jacques F. , Kaye, Diane S. , Rech, Paul , Kudlick, Michael D. , Ferguson, Ferg R. , Lane, Linda L. , Auerbach, Marilyn F. , Bass, Walt , Engelbart, Douglas C. , Hardeman, Beauregard A. , Hardy, Martin E. , Hopper, J. D. , Irby, Charles H. , Jernigan, Mil E. , Lehtman, Harvey G. , North, Jeanne B. , Norton, James C. , Paxton, William H. , Peters, Jeffrey C. , Ratliff, Jake , Van De Riet, Edwin K.

<imlac>imload.nls

Sorry that <imlac>imload.nls got locked, I browsed through it a long time ago, but didnt conciously make any changes. I think if you just access it and update it, you will write a new version out, without the 'missing' changes. The mitre guys have long since (i imagine), deleted the PC; i shared their directory for a while, and we never knew whose files were whose. Buz

1



ADO 18-FEB-73 23:00 14483

<imlac>imload.nls

(J14483) 18-FEB-73 23:00; Title: Author(s): Owen, A. D. (Buz) /ADO;  
Distribution: /KEV; Sub-Collections: NIC; Clerk: ADO;

14483 Distribution

Victor, Kenneth E. (Ken) ,

# A New User Programming Capability

The Goto Programs Get Rel File command has been implemented both of the experimental NLS systems, and will appear generally with the next version of NLS. It has significant applications for most users of NLS.

## A New User Programming Capability

## A NEW COMMAND-- Goto Programs Get Rel File

1

## SYNTAX:

1a

G[oto] P[rograms] G[et Rel File] filename CA

1a1

The filename has the syntax of a TENNEX file name, and may optionally include both directory name and extension name.

1a1a

## FUNCTION:

1b

The Get Rel File command loads a previously compiled program into the user program buffer and links it to the running NLS system. After loading, the NLS state is identical to the state that exists after compiling a user program.

1b1

Note that the Goto Programs Buffer Size command should be used to increase the buffer size for large programs, just as is required for compiling large programs.

1b2

The file name is used as the entry point name for the user program (for use with Goto Program Execute), and a warning message is displayed if no procedure with this file name is located.

1b3

The Goto Programs Execute/Pop/Reset/Status commands work as before in conjunction with this new command.

1b4

## EXPECTED USE:

1c

This command should be utilized by users that don't want to have to compile the same user program each time they wish to use it with the NLS system (the catalog production system, for example). Factoring out the compile time for user programs should mean more productive computer usage for heavy users of user programs.

1c1

Programmers can make good use of this command by loading experimental rel files for checkout with the running system.

1c2

## PROGRAMMING NOTES:

1d

Special logic and routines were added to the TENLDR to be able to add new symbols to the DDT symbol table without altering any of the hash chains normally utilized by

## A New User Programming Capability

TENLDR. This was required so that the Goto Programs Pop and Reset commands would function as expected.

1d1

The sequence generator coroutine stacks were moved because they overlayed the hash tables built by the TENLDR.

1d2

A New User Programming Capability

(J14484) 19-FEB-73 0:01; Title: Author(s): Dornbush, Charles F. /CFD  
; Distribution: /SRI-ARC ; Sub-Collections: SRI-ARC; Clerk: CFD ;

#### 14484 Distribution

Van Nouhuys, Dirk H. , Victor, Kenneth E. (Ken) , Wallace, Donald C. (Smokey) , Watson, Richard W. , Andrews, Don I. , Hoffman, Carol B. , Lee, Susan R. , Michael, Elizabeth K. , Dornbush, Charles F. , ARC, Guest O. , Feinler, Elizabeth J. (Jake) , Handbook, Augmentation Research , Kelley, Kirk E. , Meyer, N. Dean , Byrd, Kay F. , Prather, Ralph , White, James E. (Jim) , Vallee, Jacques F. , Kaye, Diane S. , Rech, Paul , Kudlick, Michael D. , Ferguson, Ferg R. , Lane, Linda L. , Auerbach, Marilyn F. , Bass, Walt , Engelbart, Douglas C. , Hardeman, Beauregard A. , Hardy, Martin E. , Hopper, J. D. , Irby, Charles H. , Jernigan, Mil E. , Lehtman, Harvey G. , North, Jeanne B. , Norton, James C. , Paxton, William H. , Peters, Jeffrey C. , Ratliff, Jake , Van De Riet, Edwin K.

Response to (Ijournal, 14262,1): Journal Net delivery

Jim, Your proposal for Journal Net delivery sounds good except that 1) It says nothing about the implications of these changes to MAILER upon SNDMSG (it seems as though they should use the same mechanism, if possible). If you are planning to change SNDMSG, what does BBN have to say about it and what are their plans for SNDMSG. 2) It seems to me that the sender of mail should expect that it will get delivered and should only be notified about failures. Your acknowledge mechanism does not allow for this case, which I would guess would be by far the most frequent. The mechanism you propose would work fine for Registered Mail, which is a nice concept and I think should be present in our mail system. Sorry if my note seems a bit gruff. I know that you have put a lot of work into this. I just need more information. -- Charles.

1



14485 Distribution

White, James E. (Jim) , Watson, Richard W. , Kudlick, Michael D. ,  
Hopper, J. D. , Kaye, Diane S. ,

CHI 19-FEB-73 20:27 14485

Response to (Ijournal, 14262,1): Journal Net delivery

(J14485) 19-FEB-73 20:27; Title: Author(s): Irby, Charles H. /CHI;  
Distribution: /JEW RWW MDK JDH DSK; Sub-Collections: SRI-ARC; Clerk:  
CHI;

DCE 17-FEB-73 10:33 14486

Request to change a needlessly costly DEX-I feature

## Request to change a needlessly costly DEX-I feature

Harvey, will you please put together the feedback on this issue for me?

1

I find that DEX-I automatically does an Output Device Printer on the NLS file that it creates from the raw DEX.txt file. (See -- 9934,9b) The command ":p FILENAME" will set the name of the printer-ready output file to FILENAME, but if no such command appears in the DEX input text, there will be a name generated and the output process will be done anyway.

2

I recommend that there be no Output Processor operation at the end of the DEX input-to-NLS operation unless the ":p FILENAME" command appears in the entry text.

3

For my personal use of DEX-I, I take a look with DNLS, and do touching up, adding, reorganizing, or etc. before I print out; the automatic outputting is a costly waste of computer power.

4

I don't know how the PSO personnel generally work, but I imagine that the change wouldn't bother them, even if they usually do want an automatic printout-file generated.

5

14486 Distribution

Lehtman, Harvey G. , Van Nouhuys, Dirk H. , Watson, Richard W. ,  
Norton, James C. , Rech, Paul , Irby, Charles H. , Kelley, Kirk E. ,

DCE 17-FEB-73 10:33 14486

Request to change a needlessly costly DEX-I feature

(J14486) 17-FEB-73 10:33; Title: Author(s): Engelbart, Douglas C.  
/DCE ; Distribution: /hgl dvn rww jcn pr chi kirk ;  
Sub-Collections: SRI-ARC; Clerk: DCE ;

DHS 19-FEB-73 14:43 14487

NIC MESSAGE

THIS COMES TO YOU VIA THE NETWORK INFORMATION CENTER

1

DHS 19-FEB-73 14:43 14487

NIC MESSAGE

(J14487) 19-FEB-73 14:43; Title: Author(s): Stern, Dale H. /DHS;  
Distribution: /TMM; Sub-Collections: NIC; Clerk: DHS;



14487 Distribution

Marill, Thomas M. ,

hello this is a test of the nic to see if they really got your  
ident in correctly.

1

(J14488) 19-FEB-73 12:05; Author(s): Postel, Jonathan B. /JBP;  
Distribution: /GJP; Sub-Collections: NIC; Clerk: JBP;

14488 Distribution  
Popek, Gerald J. ,

mailing addresses

why is it that the identification submode will only allow as mailing addresses group idents ? this policy causes a good deal of hassel at ucla where various members of the nmc have widely seperated offices and the mail room would rather decide some one didnt exist that look for him to have an office different that on the incoming mail. we would really like to have the hardcopy addressed to individual offices that to the group office. computers are after all suposed to make peoples work easier not harder and computers are suposed to take the routine tasks like sorting mail. -- jon

1

JBP 19-FEB-73 12:23 14489

mailing addresses

(J14489) 19-FEB-73 12:23; Title: Author(s): Postel, Jonathan B.  
/JBP; Distribution: /JEW JBN; Sub-Collections: NIC; Clerk: JBP;

14489 Distribution

White, James E. (Jim) , North, Jeanne B. ,

memo to Jim White: nls 'capacity exceeded' : 02/17/73

Jim, an unfortunate thing happened to me today that I would invite you to consider a solution to. I was writting a note to AAM as statement .5bl. After stopping at some point to do a CA before sarting again I was informed that capacity was exceeded and lost one hours work. Could the system please inform one at the point he is in danger so that he can move to the next statement and avavoid the problem? If there is another approach which could be taken, at the same level of indenture, could you please explain it to me. thank you for your consideration and help....jean

1



JI 17-FEB-73 7:29 14490

(J14490) 17-FEB-73 7:29; Author(s): Iseli, John /JI; Distribution:  
/JEW; Sub-Collections: NIC; Clerk: JI;

14490 Distribution

White, James E. (Jim) ,

dave, recommend you read (IJOURNAL, 14466, 1:w). It is from Alex McKenzie and is in response to original INFOPRO. I wrote him a personal response which is found as branch .5b in my Initial File. Would appreciate your comments.

Hope to speak with you sometime this weekend; possibly sunday at the 'crack of noon.'

best wishes.....jean

1

JI 17-FEB-73 8:44 14491

(J14491) 17-FEB-73 8:44; Author(s): Iseli, John /JI; Distribution:  
/DHC; Sub-Collections: NIC; Clerk: JI;

14491 Distribution  
Crocker, David H. ,

I want to be able to enter capital viewspecs from my mouse and  
keyset. NP

If the two outer buttons were used for viewspecs instead of  
altmode, then capital viewspecs could be entered using only the  
mouse and keyset.

1

KIRK 18-FEB-73 17:42 14492

I want to be able to enter capital viewspecs from my mouse and  
keyset. NP

(J14492) 18-FEB-73 17:42; Title: Author(s): Kelley, Kirk E. /KIRK;  
Distribution: /kev dcw wrf dia np ; Sub-Collections: SRI-ARC NP;  
Clerk: KIRK;

**14492 Distribution**

**Victor, Kenneth E. (Ken) , Wallace, Donald C. (Smokey) , Ferguson,  
Ferg R. , Andrews, Don I. , Irby, Charles H. ,**



Re--14482,>

Re--14482,>

1

I just wanted you to know I think all of your excuses are no longer valid and that I feel hung down, brung down, hung up, let down, fed up and all kinds of mean nasty ugly things.

1a

How can you expect me to patiently sit back and do analysis work, the NIC locator, the television work, bringing up the system when it crashes and no one is here, spending nights doing things for people who don't like to work when the system is fast, etc.; while I am classified as a Clerk Typist and when I'm not being paid anything near what other people doing the same things are paid while other people who really don't personally care as much about NLS at all (in that among other things jump at the chance to leave for higher paying jobs) are promoted to Research Analyst under conditions that you told me it couldn't be done i.e. who have been here a shorter time?

2

14493 Distribution  
Norton, James C. ,

KIRK 19-FEB-73 16:34 14493

Re--14482,>

(J14493) 19-FEB-73 16:34; Title: Author(s): Kelley, Kirk E. /KIRK;  
Distribution: /jcn ; Sub-Collections: SRI-ARC; Clerk: KIRK;

LPD 17-FEB-73 17:46 14494

replies to 14476 and previous messages by JI

The short time-scale of JI's request for pre-comments on his and MDK's forthcoming RFC's prevents me from commenting at appropriate length. I agree generally with the sentiments expressed therein -- that the NIC should have responsibility for maintaining and coordinating resource data bases and that it is worth considering more automatic mechanisms, such as an information protocol (Network Virtual Data Base? I hope not), for aiding this effort. I wish to raise once more a point which I feel has been swept under the rug many, many times: that everyone seems to be proceeding as though use of the computer research community as a direct vehicle for development of a commercial and government service facility were an everyday occurrence. It is not, and I believe it should not be. The development of user aids of the sort being considered here, although an interesting organizational and (to some extent) technical problem, is of primary concern to those same end users whom I believe most of the present network community should not be spending time trying to serve. If Mike's and Jean's RFC's do not address themselves to this question, I intend to raise it at the proposed meeting.

1

LPD 17-FEB-73 17:46 14494

(J14494) 17-FEB-73 17:46; Author(s): Deutsch, L. Peter /LPD;  
Distribution: /GPH AAM DHC SDC2 JEW JI MDK; Sub-Collections: NIC; Clerk:  
LPD;

14494 Distribution

Hicks, Gregory P. , McKenzie, Alex A. , Crocker, David H. , Crocker,  
Steve D. , White, James E. (Jim) , Iseli, John , Kudlick, Michael D.

Are my Journal entries getting lost?

The 6-FEB-72 list of Journal documents does not include at least 10 messages I submitted between 21-OCT-72 and 6-FEB-73. I am disturbed about this since I use this list to inform myself of what is happening in the extended ARC community. Could someone enlighten me as to what is going on?

1



14495 Distribution  
Irby, Charles H. ,

LPD 19-FEB-73 11:36 14495

Are my Journal entries getting lost?

(J14495) 19-FEB-73 11:36; Title: Author(s): Deutsch, L. Peter /LPD  
; Distribution: /chi ; Sub-Collections: NIC; Clerk: LPD ;

TRYING AGAIN

DOES THIS REALLY WORK????????

1

MGM 19-FEB-73 9:07 14496

TRYING AGAIN

(J14496) 19-FEB-73 9:07; Title: Author(s): Morris, Martin G. /MGM;  
Distribution: /HGM MGM DHS JBN; Sub-Collections: NIC; Clerk: MGM;

14496 Distribution

Murray, Hallam G. , Morris, Martin G. , Stern, Dale H. , North,  
Jeanne B. ,

Transmittal to Juro Oizumi

ARPA Network Information Center  
 Stanford Research Institute  
 Menlo Park, California 94025

NIC 14501  
 21-FEB-73

TRANSMITTAL TO: Prof. Juro Oizumi  
 Research Center for Applied Information Sciences  
 Tohoku Univ.  
 2-1-1, Katahira  
 Sendai 980  
 JAPAN

FROM: Susan Lee (SRI-ARC)  
 Station Agent

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

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.

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

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 13634  
 NIC 13652  
 NIC 13653  
 NIC 13654  
 NIC 13865  
 NIC 13879  
 NIC 14188  
 NIC 14133  
 NIC 14203  
 NIC 14498

8a  
 8b  
 8c  
 8d  
 8e  
 8f  
 8g  
 8h  
 8i  
 8j  
 8k  
 8l  
 8m  
 8n  
 8o  
 8p  
 8q  
 8r  
 8s

SRL 26-FEB-73 14:41 14501

Transmittal to juro oizumi

(J14501) 26-FEB-73 14:41; Title: Author(s): Lee, Susan R. /SRL;  
Distribution: /SRI-ARC SA; Sub-Collections: SRI-ARC; Clerk: LLL;  
Origin: <STATION-AGENT>NIC14501.NLS;1, 26-FEB-73 14:31 LLL ;

TRANSMITTAL TO: A. Moreau

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

FROM: Susan Lee (NIC)  
Station Agent

1

Enclosed are two lists of people who receive our literature. I have checked the names of those who are in Europe.

1a

The people in the Network Associates Group have a more complete set of information than those in the International Network Working Group. I hope this will be of help to you.

1b

NIC 13386 NETWORK ASSOCIATES GROUP  
NIC 13385 INTERNATIONAL NETWORK WORKING GROUP

1b1



SRL 1-MAR-73 23:29 14506

TRANSMITTAL TO: A. Moreau

(J14506) 1-MAR-73 23:29; Title: Author(s): Lee, Susan R. /SRL ;  
Distribution: /SA ; Sub-Collections: NIC ; Clerk: KIRK ;

TRANSMITTAL TO: D. V. Hirst

TRANSMITTAL TO: D. V. Hirst  
Computing Center  
Virginia Polytechnic Institute and State  
University  
Blacksburg, Virginia 24061

FROM: Susan Lee (NIC)  
Station Agent

1

At your request we are sending the following document:

1a

NIC 8246 HOST/HOST Protocol for the ARPA Network

1a1

Presently, distribution of our catalogs and indexes is  
restricted. I hope you will find the enclosed helpful for the  
present.

1b

SRL 1-MAR-73 23:28 14507

TRANSMITTAL TO: D. V. Hirst

(J14507) 1-MAR-73 23:28; Title: Author(s): Lee, Susan R. /SRL ;  
Distribution: /SA ; Sub-Collections: NIC ; Clerk: KIRK ;

SRL 1-MAR-73 23:27 14508

TRANSMITTAL TO: Stan Golding

TRANSMITTAL TO: Stan Golding  
NASA Ames Research Center  
Mail Stop 233-13  
Moffett Field, California

FROM: Susan Lee (NIC)  
Station Agent

1

At your request we are sending the following document:

1a

NIC 9648 RFC 318 Telnet, Protocols

1a1

SRL 1-MAR-73 23:27 14508

TRANSMITTAL TO: Stan Golding

(J14508) 1-MAR-73 23:27; Title: Author(s): Lee, Susan R. /SRL ;  
Distribution: /SA ; Sub-Collections: NIC ; Clerk: KIRK ;

Transmittal to Station Agents -- 73

Transmittal to Station Agents -- 73  
Jeanne North

NIC 14509  
8 MAR 73

1

1a

Enclosed:

1b

NIC 14207 TIPUG Note #8 Letter to TIP Users--4; Dave  
Walden (BBN-NET)

1b1

NIC 14377 \*RFC #457 TIPUG; Dave Walden (BBN-NET)

1b2

NIC 14333 \*RFC #454 FILE TRANSFER PROTOCOL; A. McKenzie  
(BBN-NET)

1b3

NIC 14415 \*NWG/RFC #460 NCP Survey; Chuck S. Kline CSK  
(UCLA)

1b4

NIC 14434 \*NWG/RFC #462 Responding to User Needs; Jean  
Iseli (MITRE), Dave Crocker (UCLA-NMC)

1b5

NIC 14575 \*NWG/RFC #463 FTP Comments and Response to  
RFC 430; Abhay K. Bhushan AKB (MIT-DMCG)

1b6

1c

Transmittal to Station Agents -- 73

JBN 7-MAR-73 18:28 14509

\*sent to Liaisons

1d

JBN 7-MAR-73 18:28 14509

Transmittal to Station Agents -- 73

(J14509) 7-MAR-73 18:28; Title: Author(s): North, Jeanne B. /JBN ;  
Distribution: /SA SRI-ARC ; Sub-Collections: NIC SRI-ARC; Clerk:  
KIEK ;



## Introduction

1

The purpose of this paper is to put on record the history of development of the "Resource Notebook", from early 1971 to early 1973, as seen from the viewpoint of the Network Information Center.

1a

This paper is organized as follows:

1b

History

Current State of Affairs

Attachment: NIC Resource Notebook Data

1b1

The "History" section describes what has happened to date with the Resource Notebook, covering the period from early 1971 to the present.

1c

The "Current State" section describes what the NIC has accomplished in this area, what data it has collected, and what state the data is in. It also describes what we know about the efforts of others to gather data for similar purposes.

1d

The "Attachment" contains a general description of the type of data that is currently residing in or being collected for the NIC Resource Notebook.

1e

A more complete description may be found in a companion document, NIC 14515, which contains the questionnaire sent to server locations.

1e1

## History

2

As most of you know, the concept of a "resource notebook" was decided upon in January 1971 and announced at a Network Working Group meeting, following earlier discussions between BBN and ARPA.

2a

The concept envisioned a single source document of information about facilities available on the Network at the various sites.

2a1

Steve Crocker of ARPA asked Alex McKenzie of BBN to take on the task of preparing questionnaires, designing the documents, and gathering the data. Steve also asked the NIC to place the material on-line and distribute it off-line.

2a2

## Resource Notebook History

The first questionnaires were sent to sites in January and February.

2b

A first hardcopy issue of writeups for a number of sites was finished in April.

2b1

The notebook was reviewed in the summer and a more complete version came into existence by Fall of 1971.

2b2

Evolution of the Notebook continued under BBN editorial control with NIC assistance, by addition of material from sites not previously responding, by updating of information, and by the typing of the material on-line at the NIC.

2b3

A revision was issued in March of 1972.

2b4

Dick Watson of SRI-ARC was instrumental in having the responsibility for the Resource Notebook shifted to the NIC, as the logical place to evolve, store, maintain, and distribute the document.

2c

BBN was also interested in this, because the maintenance of the Resource Notebook was not in direct line with the direction BBN was taking with respect to Network development and the computer field in general.

2c1

The shift in responsibility took place in late Spring of 1972, also, as did the preparation of the first index to the Notebook (an index which is now out of date).

2c2

In the Summer of that year, the NIC proceeded to search for a qualified person to work full time on the Resource Notebook, and in August we hired Elizabeth Jake Feinler to fill this role.

2c3

In September 1972 a ten-page questionnaire was sent to over twenty server sites on the Network in order to update the Resource Notebook for the ICCG.

2d

By the time of the ICCG a partially completed third version of the Resource Notebook was available primarily on-line through the NIC Query Language.

2d1

The on-line version proved to be popular with users at the ICCG, and they requested that we expand this approach. Also, it was recognized at ICCG that the

## Resource Notebook History

third version still did not contain as many data elements as users needed.

2d1a

Therefore, after ICCO several weeks were spent by NIC in coordinating the on-line and off-line versions of the Resource Notebook, expanding the capabilities of the query language, redefining the data elements needed, and entering and editing the results from the questionnaires, some of which we still have not received.

2d1b

Additional time (of the order of several weeks also) was spent in planning the next stages of the Resource Notebook, outlining the sequence of events that would have to take place, and planning how to improve the then current procedures.

2d1b1

(Note: The responsibility for keeping each site description current rests with the site, so that the maintenance of the Notebook is a continual task for all concerned.)

2d1c

At the present time the NIC is issuing a draft copy to all the sites of the data received from the questionnaires. This draft is organized according to the expanded format. At the same time, we are requesting that each site liaison update and approve the material received so that a final version can be disseminated.

2d2

The lesson to be learned from the above brief history is that a considerable amount of time is required in the task of establishing a resource notebook, even to reach the present, still incomplete state.

2e

This time has been devoted to design, data gathering, editing, data input, proofing --- the usual information handling cycle --- and the effort has been compounded by the design evolution of an improved query system for on-line user access.

2e1

## Current State of Affairs

3

## Status at the NIC

3a

## General Remarks

3a1

Since the ICCO in October, 1972, the NIC has been updating the content of the resource notebook based on

## Resource Notebook History

information it has collected from over twenty servers. Users and TIP sites have not been solicited for information as concertedly as have servers.

3a1a

The goal of the NIC Resource Notebook effort has been to make available to all Network users as complete a set of documents describing the various resources available on the Network as it is practicable to do.

3a1b

This specifically means that the NIC Resource Notebook is a guide to what is available, where it is, how to use it, and who to contact for more detailed advice on any particular subject.

3a1b1

However, the Resource Notebook is not meant to be a collection of all detailed documentation. That latter responsibility presently rests with the sites and other relevant persons.

3a1b2

In general, the types of information covered by the NIC are:

3a1c

a) indexes to all dialogue carried on through the NIC Journal;

3a1c1

b) indexes to all off-line papers collected at NIC on the general subject of Network research, development, and usage, as well as papers and reports of interest to the Network community;

3a1c2

c) a directory of Network participants;

3a1c3

d) documentation (for example, training manuals) for the use of NIC services;

3a1c4

e) documentation on Network protocols;

3a1c5

f) detailed summarization of hardware and software facilities available on the Network.

3a1c6

The NIC Resource Notebook is the document that contains the information in category f). It is in this area that duplication of effort seems most likely to occur, and it is to this area that this RFC is addressed.

3a1d

In the attachment we list the types of information that the current Resource Notebook is designed to contain.

3a1e

## Resource Notebook History

## Resource Notebook Status

3a2

The principal category of data that we have collected is that for the servers. We feel that these data are beginning to reach a satisfactory condition. Much of the data has been collected, entered, and is being upgraded by the originators.

3a2a

The data that we have collected presently exists both on-line, in the file <Netinfo> Netinfo, and in hard-copy form. The information is considered to be a "draft", in that it is now undergoing verification by the contributing servers, and needs additional editing.

3a2b

The most important information item for which data is not yet fully available is a complete categorized list of programs available for Arpanet users. Few sites adequately supplied this information in answering the questionnaire.

3a2b1

The information that we sought is the program name, the type of program (compiler, editor, etc), the person responsible for the program, a description of the program's capabilities, a list of reference citations to relevant documentation, and a comment on restrictions as to the program's use on the Network.

3a2b1a

(Unanswered for the present is the question of whether the NIC should contain and make available (on microfiche, for example) a complete set of documentation for all systems on the Network.)

3a2b1b

Other important information that users have asked for but is lacking in the current edition of the resource notebook, is information on 1) documentation and 2) date bases.

3a2b2

The latter category was not requested in the current NIC questionnaire, but will be made available through the cooperation of MITRE Corporation, as they are gathering that type of information.

3a2b2a

Documentation was requested in the NIC questionnaire, but the information received was not satisfactory.

3a2b2b



## Resource Notebook History

Problems that arise in compiling this or any information of a similar type include the tasks of editing, indexing, printing, and dissemination, as well as the task of convincing people it is worth it to them to respond to the questionnaire.

3a2b3

Despite the above problems and the "draft" status of the resource notebook, and despite the lack of certain key information items such as "programs" and "data bases" and "documentation", we feel the resource notebook is beginning to represent a solid data base which can be used throughout the Network community for the purpose intended.

3a2c

A final note on the current state: implementation is nearly completed on extending the capabilities of the NIC Query Language facility demonstrated at the ICCO conference. This will make it quite easy for people inexperienced with NLS or computer systems generally to interrogate the resource notebook (and other NIC documents) on-line.

3a2d

## Other "Resource Notebook" Projects

3b

There are two other projects that we know of which are oriented towards providing "resource notebook" type of information.

3b1

One is at MITRE, the other jointly at UCLA-NMC and BBN.

3b2

We are more familiar with the MITRE effort, having recently spent a very pleasant afternoon with Susan Poh exchanging thoughts and reviewing each other's overall goals.

3b3

MITRE's goals (as we understand them) are to develop three main sets of information for new and potential new users of the ARPA Network. They are doing this work under contract to ARPA.

3b3a

The purpose of the three-tiered structure is to provide three different classes of information to such users:

3b3a1

1) a rough overview, giving general information about what types of facilities are available on the Network;

3b3a1a

2) a user-oriented document (or set of documents)

## Resource Notebook History

that would provide in matrix form the types of data users need to know --- hardware types and locations, program types and locations, control-character information, accounting mechanisms, special services such as data management packages and modeling programs, etc.; 3b3a1b

3) a document giving some detail about the Network technology itself, e.g., hardware and software protocols, design aspects, etc. 3b3a1c

We think the effort is well conceived, and are really delighted to be in contact with Susan Poh, who recognizes the dimensions of the task as clearly as anyone we've talked to. 3b3a2

For references on the MITRE effort, see NIC 13842 and NIC 14063. 3b3a3

The aspect of the problem which we discussed with Susan, and which concerns us most in this position paper, is the difficulty of collecting the information that will comprise the data bases for the "resource notebooks" MITRE and the NIC are compiling. 3b3b

It is singularly difficult to convince anyone that it is worth his while to provide the information requested in a twenty page questionnaire. To actually obtain the required information in timely fashion is also a non-trivial task, as anyone who has attempted this will readily acknowledge. 3b3b1

These difficulties are inordinately compounded when two different organizations solicit the same or similar information from a given person or group. 3b3b2

Therefore, it was agreed that the only way to attain the goals desired is through collaboration and cooperation, not independent action. 3b3b3

The UCLA-NMC/BBN effort is less well known to us. 3b4

We had brief phone conversations with Dave Crocker (UCLA) and Nancy Neigus (BBN) and learned that they too are beginning to put together a succinct summary of network resources. Their end-users are the experienced Arpanet users. 3b4a

## Resource Notebook History

We received a draft from Dave of a data organization outline which paralleled that developed at the NIC, and were asked to review it. That is what led us to realize that, among those interested in the problem, there was not enough communication as to what was going on around the Network in this area.

3b4b

To date, Dave and Nancy haven't expended too much effort at collecting the information from various network sites, but recognize the scope of the problem and the wisdom of collaboration and cooperation.

3b4b1

Therefore, from their standpoint as well as ours and MITRE's, it is timely to discuss the problem of coordination.

3b4b2

## Attachment: NIC Resource Notebook Data

4

Since the ICCC in October, 1972, the NIC has been updating the content of the Resource Notebook based on information it has collected from over twenty servers. Users and TIP sites have not been solicited for information as concertedly as have servers.

4a

The data is organized essentially as follows.

4b

## Servers

4b1

The servers we have contacted are the following:

4b1a

AMES 67	NASA Ames Research Center Computation Division	4b1a1
BBN-TENEX	Bolt Beranek And Newman, Inc. Research Computer Center	4b1a2
BBN-TENEXB	Bolt Beranek And Newman Inc.	4b1a3
CASE-10 Div.	Case Western Reserve University Computing And Information Sciences	4b1a4
CMU-10A	Carnegie-Mellon University	4b1a5
CMU-10B	Carnegie-Mellon University Department Of Computer Science	4b1a6



# Resource Notebook History

MDK 26-FEB-73 17:13 14514

HARV-10	Harvard University Aiken Computation Laboratory	4b1a7
LL-67 Technology	Massachusetts Institute Of Lincoln Lab 67 Group	4b1a8
LL-TX2 Technology	Massachusetts Institute Of Lincoln Lab, TX-2 Group	4b1a9
MIT-AI Technology	Massachusetts Institute Of Artificial Intelligence Laboratory	4b1a10
MIT-DMCG Technology	Massachusetts Institute Of Dynamic Modeling/Computer Graphics	4b1a11
MIT-ML Technology	Massachusetts Institute Of Mathematics Laboratory	4b1a12
MIT MULTICS Technology	Massachusetts Institute Of Project Mac, Multics Group	4b1a13
SDC-ADEPT	System Development Corporation Applied Research Department	4b1a14
SRI-AI	Stanford Research Institute Artificial Intelligence Group	4b1a15
SRI-ARC	Stanford Research Institute Augmentation Research Center Network Information Center	4b1a16
SU-AI	Stanford University Artificial Intelligence Group	4b1a17
UCLA-CCN Angeles	University Of California, Los Campus Computing Network	4b1a18
UCLA-NMC Angeles	University Of California, Los Network Measurement Center	4b1a19

## Resource Notebook History

UCSD-CC	University Of California, San Diego Computer Center	4b1a20
UCSB-MOD75 Barbara	University Of California, Santa Computer Systems Laboratory	4b1a21
USC-ISI	University Of Southern California Information Sciences Institute	4b1a22
UTAH-10	University Of Utah Computer Science Division	4b1a23

For each server, the principal information we have solicited is:

4b1b

Function  
Address  
Personnel:

4b1b1

Station Agent  
Liaison  
Accounts  
Software Contact  
Hardware Contact  
Operator  
Manager

4b1b1a

Account Parameters  
Service Schedule  
Hardware:

4b1b2

Computer  
Peripherals  
Terminals

4b1b2a

Software:

4b1b3

Operating System:

4b1b3a

Description  
Login  
Logout  
Control Characters  
Help  
Commands

4b1b3a1

User Programs:

4b1b3b

## Resource Notebook History

Program Name	
Type	
Contact	
Description	
Login	
Network Use Parameters	
Documentation	4b1b3b1
Network Operations:	4b1b3c
Server Protocols	
User Protocols	
NCP Interface From Local Programs	4b1b3c1
Interests	
Documentation	4b1b4
References	4b1b4a
Order Information	4b1b4b
Users	4b2
For each user, we are soliciting the following information:	4b2a
Address	
Personnel	
Hardware	
Software	
Interests	
Documentation	4b2a1
TIP Sites	4b3
The data sought for the TIP sites are:	4b3a
Function	
Address	
Personnel	
Hardware	4b3a1

# SITE QUESTIONNAIRE

1

\*\*\*\*\*  
\*\*\*\*\*

2

## INSTRUCTIONS

3

Sites will be asked to fill out this questionnaire in its entirety once. Subsequent changes will be made by updating or adding to a copy of the existing data, which the NIC will provide.

4

If you have questions, comments, or would like extra copies of the questionnaire, contact:

5

Jake Feinler  
Network Resources Coordinator  
Network Information Center  
Stanford Research Institute,  
Menlo Park, Calif., 94025,  
(415) 329-0740.

5a

When the questionnaire is completed, return it to this same address.

6

Persons wishing to fill out this questionnaire online may do so by duplicating a copy of the file <NETINFO>QUEST into their own directory. After the questionnaire is completed, it may be sent to Jake Feinler (SRI-ARC, IDENT = JAKE) through the journal system. (For your information spaces between lines in this file are generated by a series of carriage returns.)

7

\*\*\*\*\*  
\*\*\*\*\*

8

(SITE-NAME) Give site name in full along with div., section,  
dept.,  
etc. if significant. (Ex., Stanford Research  
Institute,  
Augmentation Research Center)

9

## (FUNCTION)

9a

Insert a one or two sentence concise statement of what your primary function is ON THE ARPANET.

9a1

Do you perform any specialized network function (such as Network Measurement Center, etc.)? If so, what?

9a2

USER? SERVER? TIP? (circle one)

9a3

Host #	Host Addr.	IMP #	TIP #
--------	------------	-------	-------

9a4

If TIP, give port assignments.

9a5

If SERVER, give some indication of the level and type of service you are prepared to provide to users. (NOTE: Users have been confused by the fact that not every site offers the same level or type of service. This information should give them some indication of what to expect and will hopefully cut down on unnecessary contacts to sites that do not provide the kind of service the user is seeking.)

9a6

## (ADDRESS)

9b

Give complete mailing address including zip; also give general phone no.

9b1

## Resource Notebook Questionnaire

## (PERSONNEL)

9c

Full Name	Network Ident	Phone No.	Ext.	9c1
-----------	---------------	-----------	------	-----

(If none mark "NONE")	9c2
-----------------------	-----

## (STATION-AGENT)

9c3

## (LIAISON)

9c4

## (ACCOUNTS)

9c5

## (SOFTWARE-CONTACT)

9c6

## (HARDWARE-CONTACT)

9c7

## (OPERATOR)

9c8

(OTHER) such as principal investigator, manager, consultant, caretaker, documentation, or whatever.)

9c9

## (ACCOUNT-PARAMETERS)

9d

NOTE: Information required for this section will be collected by Bert Sutherland of Bolt Beranek and Newman, Inc., and transferred to the Resource Notebook. You need not supply this information here.

9d1

## (SERVICE-SCHEDULE)

9e

## Resource Notebook Questionnaire

Give times when your system is available for ARPAnet users.  
Include times when system is available but not guaranteed;  
maintenance periods, times when use is forbidden, etc.

9e1

Typical Load:

9e2

Max. No. Simultaneous Combined Local and Network Users:

9e3

Max. No. Simultaneous Network Users:

9e4

(HARDWARE)

9f

(COMPUTER)

9f1

MAKE  
LENGTH

CORE AMOUNT

CORE SPEED

WORD

9f1a

(PERIPHERALS)

9f2

(DISKS)

9f2a

HOW MANY

TYPE OR KIND

MAKE

MODEL

9f2a1

## Resource Notebook Questionnaire

JAKE 27-FEB-73 9:23 14515

## (DRUMS)

9f2b

HOW MANY	TYPE OR KIND	MAKE	MODEL
----------	--------------	------	-------

9f2b1

## (TAPES)

9f2c

HOW MANY	TYPE OR KIND	MAKE	MODEL
----------	--------------	------	-------

9f2c1

## (PRINTERS)

9f2d

HOW MANY	TYPE OR KIND	MAKE	MODEL
----------	--------------	------	-------

9f2d1

## (OTHER)

9f2e

HOW MANY	TYPE OR KIND	MAKE	MODEL
----------	--------------	------	-------

9f2e1

If any of the above peripherals have special  
modifications or unusual features, please specify.

9f2f

## (TERMINALS)

9f3



Resource Notebook Questionnaire

JAKE 27-FEB-73 9:23 14515

HOW MANY	TYPE OR KIND	MAKE	MODEL
----------	--------------	------	-------

9f3a

If any terminals have special modifications or unusual features please specify.

9f3b

(SOFTWARE)

9g

(OPERATING-SYSTEM)

9g1

(DESCRIPTION)

9g1a

Briefly describe your operating system including such information as name of system, type, batch or timesharing, etc. Limit to one paragraph if possible.

9g1a1

(LOGIN)

9g1b

Resource Notebook Questionnaire

JAKE 27-FEB-73 9:23 14515

TELNET INFO:

9g1b1

. Appropriate transmission mode =

9g1b2

. Appropriate echo mode =

9g1b3

. Mapping between NVT and local character set is.....

9g1b4

. Can user declare his terminal to the system? If so, how?

9g1b5

. Tip settings =

9g1b6

. Other?

9g1b7

USER INFO:

9g1b8

Does the user have FREE EXPERIMENTAL ACCESS to your system? If so, fill in any of the following information that is appropriate. (If information is not needed, please write "none needed" in the space provided. If no experimental access is available, give an alternate procedure for gaining access to your system such as 'Contact Accounts Administrator', etc.

9g1b8a

. IDENT -

9g1b9

. PASSWORD -

9g1b10

. ACCOUNT NO. -

9g1b11

. DOES SYSTEM RECOGNIZE LOWER-CASE LETTERS?

9g1b12

.OTHER?

9g1b13

LOGIN:

9g1b14

Give a complete login procedure including use of spaces, carriage returns, line-feeds, etc. Indicate how to get the system's attention, what is the exec system herald, and the subsystem prompt character,

9g1b14a

Is there a subsystem interrupt? If so, what?

9g1b14b

Is there a subsystem resume? If so, what?

9g1b14c

(LOGOUT)

9g1c

LOGOUT:

9g1c1

Give a complete logout procedure.

9g1c1a

AUTOLOGOUT:

9g1c2

Does system have autologout feature? YES NO  
After how long?

If yes, how can system be reacquired?

Does breaking network connections log the user out?

YES NO

9g1c2a

(CONTROL-CHARACTERS)

9g1d

Give at least the following Control Characters for your system, if they are available:

9g1d1

Delete Last Character:

Delete Word:

Abort Command:

Abort print:

Retype Edited Command:

Prompt (such as Altmode):

Online help:

Are-You-Still-There?

Other?

9g1d2

(HELP)

9g1d3  
9g1e

What is the procedure for accessing "Help" or a similar routine online. If none is available, type "none".

9g1e1

Resource Notebook Questionnaire

JAKE 27-FEB-73 9:23 14515

(COMMANDS)

9g1f

Give commands and scenarios to do the following: (If  
feature is not available, type 'none')

9g1f1

(LIST-ACTIVE-USERS)

9g1f2

(NETWORK-STATUS-INFO)

9g1f3

(CONVERSE-WITH-ACTIVE-USERS)

9g1f4

(SEND-MESSAGE)

9g1f5

(RETRIEVE-MESSAGES)

9g1f6

(TALK-TO-OPERATOR)

9g1f7

## (USER-PROGRAMS)

9g2

Describe EACH User Program (defined here as a program available for Network use) by giving the information outlined below. Put each program on a separate sheet or in a separate branch and include as many sheets or branches as is necessary to provide the information. (Even though some of you have dozens of programs available, we hope you will include this information for EACH one of them, as this is the information users would most like to have in detail.)

9g2a

## (PROGRAM NAME)

9g2b

Give the program acronym or abbreviation as well as the full name of the program if different from the acronym.

9g2b1

## (CONTACT)

9g2b2

Caretaker or consultant for program, if any.

9g2b2a

## (TYPE)

9g2b3

Such as compiler, text-editor, demo, game, etc.

9g2b3a

## (DESCRIPTION)

9g2b4

Give a brief description of what the program's capabilities are; one paragraph if at all possible.

9g2b4a

## (PROGRAM-LOGIN)

9g2b5

Give enough information for entry into the program. (You may want to refer the user to a consultant here.)

9g2b5a

(NETWORK-USE-PARAMETERS)

9g2b6

Mention any restrictions that may apply to access or use of this program such as: no documentation available; not for novice users; experimental program, consult contact for status; or whatever.

9g2b6a

(DOCUMENTATION)

9g2b7

Give complete reference citations including such things as author, title, document number, place published, date published, etc. Also indicate where the document can be obtained and how much it costs.

9g2b7a

NOTE: SRI-ARC would like to receive 2 copies of all such documentation for the Network Information Center. Send to Jake Feinler, Network Information Center, Stanford Research Institute, Menlo Park, Calif., 94025.

9g2b7b

## (DATA-BASES)

9g3

Describe EACH Data Base available for Network use by giving the information outlined below. Describe each Data Base on a separate sheet and include as many sheets as is necessary to provide the information. (Even though some of you have many Data Bases available, we hope you will include this information for EACH one of them, as this is the information users would like to have in detail.)

9g3a

## (DATA-BASE NAME)

9g3b

Give the program acronym or abbreviation as well as the full name if different from acronym.

9g3b1

## (TYPE)

9g3b2

## (CONTACT)

9g3b3

## (DESCRIPTION)

9g3b4

Give a brief description of the contents and format of the data base.

9g3b4a

## (DATA-BASE ACCESS)

9g3b5

How can the data base be accessed by a network user?

9g3b5a

## (NETWORK-USE PARAMETERS)

9g3b6



What restrictions are there on use of the data base; is there a charge for access; is there any experimental use available; etc.

9g3b6a

(DOCUMENTATION)

9g3b7

(SERVER-PROTOCOLS)

9g4

What network Server Protocols are CURRENTLY implemented in your host? Give protocol name, whether it is standard or private, its socket number, reference, etc.

9g4a

(USER-PROTOCOLS)

9g5

What Network User Protocols are CURRENTLY implemented for your local users. Give protocol name, whether it is standard or private, its socket number, reference, etc.

9g5a

(NCP-INTERFACE-FROM-LOCAL-PROGRAMS)

9g6

## (INTERESTS)

9h

What are the current interests of your site and/or organization? (We would like to have one concise paragraph for inclusion under 'Brief Description' in the online query program. This paragraph can be further expanded under an 'Expanded Description' option if necessary.)

9hl

## BRIEF DESCRIPTION

9hla

## EXPANDED DESCRIPTION

9h1b

## (DOCUMENTATION)

9i

## (REFERENCES)

9il

What documentation is available to describe your host activities? Do NOT include references cited under USER PROGRAMS or DATA BASES above. Please give a complete reference including: author(s), title, ordering and/or identifying numbers, if any; NIC number; publisher; place published; date published; cost, if any; etc.

9ila

NOTE: The Network Information Center (NIC) needs two copies of all pertinent documentation for reference. If you have not sent us these, or if new versions of documents you have sent us are available, may we have two copies.

911b

(ORDER-INFORMATION)

912

Where can documentation be obtained? Who is the contact? How will the purchaser be billed? Etc.

912a