

JBL 24-AUG-72 18:25 11570

Note from Dick Watson

Net TTY's are coming back

Note from Dick Watson

Alex, here is a message I got from RWW.

1

RWW 23-AUG-72 13:50 11566

Reply to JBL on a NETTTY Device

Message: Joel,

We are aware of the 2741 problem, version 129 of tenex did not come with a net tty type device. We will have such a device shortly and net users will default to it rather thn a Ti. If they want some other device such as 33 or ti they can set it in the EXEC or wirh a NLS command.

2

JBL 24-AUG-72 18:25 11570

Note from Dick Watson

(J11570) 24-AUG-72 18:25; Title: Author(s): Joel B. Levin/JBL;
Distribution: Alex A. McKenzie/AAM; Sub-Collections: NIC; Clerk: JBL;

mdk's file problems

Ferg ... The system says I have no files archived, which I hope is bullshit because there are lots of files of mine that are missing. Can you help me?

1

MDK 25-AUG-72 10:02 11571

mdk's file problems

(J11571) 25-AUG-72 10:02; Title: Author(s): Michael D. Kudlick/MDK;
Distribution: Ferg R. Ferguson/WRF; Sub-Collections: SRI-ARC; Clerk:
MDK;

A CHALLENGE I WILL BUY ANYONE A BEER WHO CAN OUTFRAN ME
IN A MILE RACE . HANDYCAPS
CHEERFULLY GIVEN. TUESDAY AUGUST 29 .
don limuti

On NLS Command Language Syntax: I

- begun to do this, and list below what I have found so far. Perhaps all these things are known problems, but I thought it would be a good idea to get them on record. 2
- Inconsistencies Within TNLS** 2a
- Some of the Execute commands require a confirming Command Accept, others do not. For example: 2a1
- Execute Journal, Execute Catalog, Execute Status Viewspecs do NOT require command accept. 2a1a
- Execute Identification Submode, Execute Quit DO require command accept. 2a1b
- Control C doesn't wipe out your program when it returns you to the Exec, but "GoTo EXEC" wipes out your program. 2a2
- "Execute Marker Release Marker Named LIT" doesn't tell you that the marker named LIT wasn't found if in fact it wasn't. 2a3
- For the command "Execute Status Viewspecs": 2a4
- neither viewspec m or n is printed, nor is o or p. 2a4a
- viewspec N is printed, but what does it mean? 2a4b
- Control O aborts the Journal system and some other commands, but doesn't abort the Ident System or the Output Processor system (and possibly others). 2a5
- EXECUTE sometimes invokes secondary commands (such as execute file verify) and sometimes invokes subsystems (such as the Journal). Subsystems generally respond with a herald, secondary commands generally do not. It seems to me that subsystems should be invoked with a word other than the word that invokes secondary commands, so that the user knows whether to expect a herald or not. 2a6
- The command Output Device Teletype asks for confirmation ("Go?") but Output Device Printer (and others) does not. 2a7
- The command to enter browse mode is Execute Browse Enter, but the command to leave browse mode is Execute Browse Mode Leave. This is inconsistent since in one case one has to type the word "mode", but in the other, one doesn't. 2a8
- In using the Viewspecs command, some characters are

On NLS Command Language Syntax: I

illegal, for example M Q 1. The command tells you that M is illegal, but doesn't tell you that Q and 1 are illegal. I haven't tested every character, so there may or may not be other illegal characters that you aren't warned about. The reason you should be warned is so that you don't get fooled into thinking that you've done something right.

2a9

The use of Command Accept in the syntax of various statements seems to follow no hard and fast rule. It is usually used to signal completion of a field, but this isn't always true.

2a10

For example, the Yes/No response to a prompt such as "ok?" is not always followed by a command accept, even though Yes (and No) is clearly a field.

2a10a

As another example, when you say Execute Journal, you don't need a command accept to signify that you've finished typing the command.

2a10b

The inconsistency, of course, is that sometimes you need a command accept at end of a field or end of a command, and sometimes you don't.

2a10c

A somewhat subtler inconsistency is that command accept at the end of a command causes NLS to do something concrete, whereas command accept as a field delimiter causes no visible action on the part of NLS. It just waits for the next field.

2a10d

Therefore, it might make more sense to use a different field delimiter (such as comma), and reserve command accept to mean "end of command syntax specification". The Journal system has taken this approach a little bit, by using the SPACE character as a field delimiter when typing a list of idents, for example.

2a10d1

Execute Assimilate requires the user to name his file via the Link syntax, but Execute Insert Sequential prompts the user with "from file".

2a11

Inconsistencies Between TNLS and DNLS

2b

There are many cases where TNLS prompts the user and DNLS does not. For example, "Replace ... <by text?>", "GoTo Merge ... <ok?>", etc.

2b1

There are cases where both DNLS and TNLS prompt the user,

On NLS Command Language Syntax: I

but the prompting is different. For example, <go?> in DNLS vs. <ok?> in TNLS.

2b2

There are cases where the syntax for a given command is significantly different for TNLS vs that in DNLS. For example:

2b3

```
DNLS: 'e<execute> 'm<marker> 'f<fix> STID LIT CA
TNLS: 'e<execute> 'm<marker> 'f<fix EOL> <fix marker
named> LIT CA <at> STID
```

2b3a

```
DNLS: 'e<execute> 'i<insert sequential> STID LEVADJ CA
'a<assembler file with structure> YES/NO CA <file>
FILENAME CA
TNLS: 'e<execute> 'i'n<insert sequential from>
'a<assembler with structure?> YES/NO <at> ADDR CA LEADJ
CA <from file> FILENAME CA
```

2b3b

```
DNLS: 'l<load> 'f<file> FILENAME CA VIEWSPECS CA
TNLS: 'l<load> 'f<file> FILENAME CA
```

2b3c

There are cases where the use of Center-Dot is different in TNLS and DNLS for the same command. For example:

2b4

In TNLS, Insert and Delete require CDOT to continue the command, but in DNLS they do not.

2b4a

For the Move and Copy commands, the CDOT means to TNLS that a new "to-from" pair of addresses is going to be typed in, but to DNLS the CDOT means only that a new "from" address is going to be specified.

2b4b

The LineFeed in TNLS effectively prints the next statement regardless of structure (sort of the opposite of the DNLS command, Jump to Back) but there is no counterpart of LineFeed in DNLS.

2b5

Inconsistencies Within DNLS

2c

In DNLS the command to release a frozen statement is Freeze Release followed by the STID, but the command to release ALL frozen statements is Freeze All. At the least, this command should be Freeze Release All since (a) it would be consistent with the single-statement release syntax, and (b) Freeze All connotes the OPPOSITE of Freeze Release All.

2c1

On NLS Command Language Syntax: 1

(J11573) 25-AUG-72 14:01; Title: Author(s): Michael D. Kudlick/MDK;
Distribution: Elizabeth J. Feinler, Augmentation Research Handbook, Kirk
E. Kelley, N. Dean Meyer, Kay F. Byrd, Ralph Prather, James E. (Jim)
White, Jacques F. Vallee, Diane S. Kaye, Paul Rech, Michael D. Kudlick,
Don Limuti, Ferg R. Ferguson, Linda L. Lane, Marilyn F. Auerbach, Walt
Bass, Douglas C. Engelbart, Beauregard A. Hardeman, Martin E. Hardy, J.
D. Hopper, Charles H. Irby, Mil E. Jernigan, Harvey G. Lehtman, Jeanne
B. North, James C. Norton, Cindy Page, William H. Paxton, Jeffrey C.
Peters, Jake Ratliff, Barbara E. Row, Ed K. Van De Riet, Dirk H. van
Nouhuys, Kenneth E. Victor, Smokey C. Wallace, Richard W. Watson, Don I.
Andrews/SRI-ARC; Sub-Collections: SRI-ARC; Clerk: MDK;
Origin: <KUDLICK>TEMP.NLS;1, 25-AUG-72 13:56 MDK ;

A group which varied in size somewhat met with Arthur Hastings yesterday at 3 o'clock to discuss the possibility of his acting as trainer for a special interest group in formal techniques in communication and conflict. (KJOURNAL, 11548, 1:w) Present for most of the meeting were Dick Watson, Marilyn Auerbach, Dave Hopper, Jacques Vallee, Dean Meyer, Walter Bass, Jeanne North, Paul Rech, Dirk van Nouhuys.

1

Arthur Hastings first talked a little bit about himself and we exchanged thoughts among ourselves and with him about what we hoped for from such a special interest group.

2

After going around the room and allowing everyone to describe what he hoped for, Arthur proposed an arrangement something like the following.

3

That he would meet with such a group for an hour a week or perhaps two hours every two weeks to teach techniques that improve communication. He stressed things that made people aware of the presuppositions and emotions they were talking to and enabled them to listen better both to one person and in groups.

3a

More than casual commitment would be expected of members of this special interest group. They should keep coming to the meetings and have a professional attitude towards what they were learning and doing.

3b

Arthur imagined that he would present some theoretical material, some formal techniques and "games" and that we would also work through actual problems in the work process at ARC.

3c

On a show of hands everyone listed above agreed that if Arthur offered such a program each would be interested in participating.

4

Arthur quoted a price of \$100 an hour which seems a little high to me.

4a

Next week several of us are going on Tuesday night to look over the psychodrama workshop.

5

So far we have been unable to reach Ann Armstrong.

6

If we end up failing to get in touch with Ann Armstrong and no one else is suggested as a source of training for the special interest group, I propose those interested meet next week to decide what we're going to do.

7

(J11574) 25-AUG-72 17:47; Title: Author(s): Dirk H. van Nouhuys/DVN;
Distribution: Elizabeth J. Feinler, Augmentation Research Handbook, Kirk
E. Kelley, N. Dean Meyer, Kay F. Byrd, Ralph Prather, James E. (Jim)
White, Jacques F. Vallee, Diane S. Kaye, Paul Rech, Michael D. Kudlick,
Don Limuti, Ferg R. Ferguson, Linda L. Lane, Marilyn F. Auerbach, Walt
Bass, Douglas C. Engelbart, Beauregard A. Hardeman, Martin E. Hardy, J.
D. Hopper, Charles H. Irby, Mil E. Jernigan, Harvey G. Lehtman, Jeanne
B. North, James C. Norton, Cindy Page, William H. Paxton, Jeffrey C.
Peters, Jake Ratliff, Barbara E. Row, Ed K. Van De Riet, Dirk H. van
Nouhuys, Kenneth E. Victor, Smokey C. Wallace, Richard W. Watson, Don I.
Andrews/SRI-ARC; Sub-Collections: PODAC SRI-ARC; Clerk: DVN;
Origin: <VANNOUHUYS>JTRAIN.NLS;1, 25-AUG-72 8:47 BER ;

About the partition scheduler: some questions

Thoughts about the partition scheduler

1

What is it?

1a

As I understand it, we want a modification to the scheduler that will allow us to specify a set of users, and designate that they should get x% of our computer resources.

1a1

I suppose computer resources are broken into CPU time, memory usage, and disk file space.

1a1a

Some system implementation considerations: As I see it, we have three alternatives:

1b

Define just what we want and how it might be implemented, and convince BBEN that they should put it into the system. Then wait until they did and put up with having it done "their way."

1b1

Implement it as a system mod like the ones we have done so far and continue to modify the new systems from BBEN to accomodate our changes.

1b2

Implement the scheduler change and either stick with that version of TENEX, or that scheduler portion of TENEX.

1b3

I have several questions about just exactly the partitioning should work. I hope to get some notes from people on this, since it affects the implementation quite a bit:

1c

Suppose user set S is supposed to get x% of the resources. Does that mean we guarantee them x% of the system under heavy load? Or do we just limit them to x% as a max for our own protection. Or should there be two values x1% and x2% as a guarantee and a max.

1c1

Do we want to limit (or guarantee) CPU time and memory, or just one or the other. The disk limitation is of course already implemented.

1c2

What if the system is idle? Do we let them have all the system they want, or limit them to x%, or something else? Perhaps only limit them during specified hours and let them be regular users at other times?

1c3

The sum of the time used by the users in set S should be x%. Over what kind of interval do we want that to be true? That is, over the whole day (implying that they could get 100% for some short period of time during the day)? Or

About the partition scheduler: some questions

over 1 minute - or the millisecond level? Another way of asking is, if they suddenly put a very heavy load on the system which uses a high percentage, how long does it get to run before it is stopped for exceeding the use they are allowed? If they do not use the system for several hours do they build up a credit? Is it reasonable to let them build up a deficit?

1c4

DIA 25-AUG-72 17:59 11575

About the partition scheduler: some questions

(J11575) 25-AUG-72 17:59; Title: Author(s): Don I. Andrews/DIA;
Distribution: Douglas C. Engelbart, James C. Norton, Charles H. Irby,
Michael D. Kudlick, Smokey C. Wallace, Kenneth E. Victor/DCE JCN CHI MDK
DCW KEV; Sub-Collections: SEI-ARC; Clerk: DIA;
Origin: <ANDREWS>PSCHED.NLS;2, 25-AUG-72 17:56 DIA ;

Update to INNLS bug Report

This updates a previous issue of this log of known kmnls bugs and their status. The status appears to imply that the list of reported but uncorrected bugs is growing monotonically and none are being fixed.

Update to IMNLS bug Report

This file is intended to be the main channel of interaction (and hopefully action) in reporting bugs in IMNLS and the IMNLS/DNLS pair in general. In the branch (,bugs) are catalogued the description of the bugs; these descriptions each include

1

(a) the name of the reporter, the site at which the bug was experienced, and the date on which the bug was first reported,

1a

(b) a description of the circumstances surrounding the occurrence, including, if possible, protocols of the command sequences which revealed the bug,

1b

(c) any corroborating evidence from persons at other sites who have observed the same phenomenon,

1c

(d) the date on which the bug was fixed, and the name of the person responsible for the fix. It is assumed currently that individual sites are responsible for compiling and acquiring new versions of IMNLS.

1d

When a bug has been fixed, move its description to the branch (,fixedbugs) and indicate how it was fixed, and by whom.

2

(bugs)

3

(1) J. G. Mitchell, Xerox Palo Research Center, July 30, 1972.

3a

Sometimes when doing an Insert Statement which requires more than one line in the literal area, a line will grow longer than imnls is prepared to accept and the display list gets clobbered (along with parts of imnls itself frequently). The line is definitely longer in these cases than is normal and is past the point where NLS usually chooses to place the final word at the beginning of the next line.

3a1

(2) J. G. Mitchell, Xerox Palo Research Center, July 30, 1972.

3b

After doing an Output Sequential Lower, imnls clobbers the display list about 70% of the time after the command feedback area has been reset to the command which was current before the Output Sequential, and after the file name area has been cleared.

3b1

(3) J. G. Mitchell, Xerox Palo Research Center, July 31, 1972.

3c

If the IMLAC has been specified to tenex as a non-processor display
e.g., by @PROCESSOR (DISPLAY) NO<CR>

Update to IMNLS bug Report

and the software flip-flops numbers 2 and 7 have been correctly set, doing commands such as SYSTAT or DIR which send characters to the tty simulation at maximum rate often cause IMNLS to clobber itself, necessitating a reload of the IMLAC.

3c1

J. G. Mitchell -- update

3c2

I have a suspicion that this problem could be responsible for some other phenomena and would suggest that the main loop of imnls be carefully looked at to prove that it cannot lose characters because of race conditions, for instance.

3c2a

J. G. Mitchell -- update 8/25/72

3c3

The above problem can be made to occur no matter what the local imlac switch settings. It is the most frequent cause of crashes

3c3a

(4) J. G. Mitchell, Xerox Palo Research Center, August 25, 1972.

3d

Occasionally the mouse cursor will be displayed on the imlac screen in four or more positions "simultaneously". It is not a hardware problem; recreating the screen or changing the amount of information on the screen makes the problem go away.

3d1

(5) J. G. Mitchell, Xerox Palo Research Center, August 25, 1972.

3e

After doing a command such as "Execute Status File", the top portion of the text area is not recreated at all. However, the text is still in the imlac; subsequently doing a "jump to Item" and pointing into the blank portion will suddenly cause the non-displayed lines to appear as they are scrolled to the top of the screen -- they are not being retransmitted. Therefore it would appear that NLS is at fault here and is not telling the imlac to make those lines visible again.

3e1

(fixedbugs)

4

J. G. Mitchell, Xerox Palo Research Center, July 30, 1972.

4a

If one uses a Goto Exec command to get a subsidiary process temporarily, and then does a Tenex QUIT command to get back

Update to IMNLS bug Report

to NLS, the viewspecs area will be left empty in the
recreated display about 50% of the time.

4a1

K.E.VICTOR - this problem exists for nls in general and
is not an imlac related bug to my knowledge

4a1a

Update to IMNLS bug Report

(J11578) 25-AUG-72 23:13; Title: Author(s): James G. Mitchell/JGM;
Distribution: James G. Mitchell, William H. Paxton, Charles H. Irby,
Douglas C. Engelbart, Kenneth E. Victor, L. Peter Deutsch/JGM WHP CHI
DCE KEV LPD; Keywords: imnls,arpanet,nic,iccc; Sub-Collections: NIC;
Clerk: JGM;
Origin: <IMLAC>IMNLSBUGS.NLS;7, 25-AUG-72 23:05 JGM ;

ARC Guest IDENT (ARCG)

I defined a new IDENT for ARC Guests (IDENT = ARCG). If one logs in as "GUEST" or "ICCC", his IDENT will automatically be set to ARCG. Note also, that the NLS greeting will be "Good Morning Guest".

1

ARC Guest IDENT (ARCG)

(J11579) 27-AUG-72 14:12; Title: Author(s): Charles H. Irby/CHI;
Distribution: Guest O. ARC, Elizabeth J. Feinler, Augmentation Research
Handbook, Kirk E. Kelley, N. Dean Meyer, Kay F. Byrd, Ralph Prather,
James E. (Jim) White, Jacques F. Vallee, Diane S. Kaye, Paul Rech,
Michael D. Kudlick, Don Limuti, Ferg R. Ferguson, Linda L. Lane, Marilyn
F. Auerbach, Walt Bass, Douglas C. Engelbart, Beauregard A. Hardeman,
Martin E. Hardy, J. D. Hopper, Charles H. Irby, Mil E. Jernigan, Harvey
G. Lehtman, Jeanne B. North, James C. Norton, Cindy Page, William H.
Paxton, Jeffrey C. Peters, Jake Ratliff, Barbara E. Row, Ed K. Van De
Riet, Dirk H. van Nouhuys, Kenneth E. Victor, Smokey C. Wallace, Richard
W. Watson, Don I. Andrews/SRI-ARC; Sub-Collections: SRI-ARC; Clerk: CHI;

Possible cause of an IMNLS bug

see (11578,1:w), item (5)

Possible cause of an IMNLS bug

Re IMNLS bug causing top of text area not to be redisplayed after Execute Status File: I suspect that NLS is doing an "unsuppress DA" and expecting it to reverse some "suppress string"s. This is not the way IMNLS interprets these commands. KEV or CHI, please contact me to straighten this out.

1

Possible cause of an IMNLS bug

(J11580) 27-AUG-72 22:41; Title: Author(s): L. Peter Deutsch/LPD;
Distribution: James G. Mitchell, William H. Paxton, Charles H. Irby,
Douglas C. Engelbart, Kenneth E. Victor, L. Peter Deutsch/JGM WHP CHI
DCE KEV LPD; Keywords: imnls, iccc; Sub-Collections: NIC; Clerk: LPD;

8/25 Summation of Video Project Inquiry

SUBJECT: G.E. TV projector

1

In light of the latest communications from G.E., (11245,), which sets the cost for modifying their 525 line-rate system at approximately \$15,000 and raises some questions about reliability. I recommend we do not pursue any further this modification. Instead we should consider only their standard system and evaluate its projection quality with our system.

1a

Since there is some question of its projection quality with our system, at the 525 line-rate, we definitely should have a live demo here at ARC.

1b

To help our position in bartering we should first address and clarify our position of intent to purchase. As previously stated (11545,) G.E. indicated they would be willing to pay half the cost of a demo, with no purchase order, and perhaps all of it with a purchase order containing a contingency clause. I am in favor of pursuing the latter. What they would actually do in the latter case is demo the projector we intended to purchase, then leave it if they met the contingency clause.

1c

A video tape of our system has been recorded at the 525 line-rate; it will be sent to G.E. for evaluation by them on their projector (11557,). The quality of this recording looks good enough such that a valid reference point can be established and G.E. can get some feel about our projector needs and their capability to fulfill them. I will follow up on this when I return 9/5/72.

1d

MEH 28-AUG-72 8:51 11581

8/25 Summation of Video Project Inquiry

(J11581) 28-AUG-72 8:51; Title: Author(s): Martin E. Hardy/MEH;
Distribution: Douglas C. Engelbart, James C. Norton/DCE JCN;
Sub-Collections: SRI-ARC; Clerk: BER;
Origin: <HARDY>PRO/R2.NLS;12, 28-AUG-72 8:48 BER ;

<FEINLER>JAKE.NLS;4, 23-AUG-72 22:23 XXX ;
(Journal) Journal documents (most recent first)
DVN 23-AUG-72 14:49 11567
Ongoing NLS Training
Location: (KJOURNAL, 11567, 1:w)

DL 23-AUG-72 10:57 11563

Message: the phone lines for the dialin service have been serviced and no complaints are heard. alas!

MEH 23-AUG-72 10:53 11562
martin on hardware diagnostics
Location: (KJOURNAL, 11562, 1:w)

&SRI-ARC 23-AUG-72 16:30 11165
ARC JOURNAL INDEX BY TITLEDWORD -- M thru Z -- to 21 July 72
Location: (KJOURNAL, 11165, 1:w)

&SRI-ARC 23-AUG-72 16:16 11164
ARC JOURNAL INDEX BY TITLEDWORD -- A thru L -- to 21 July 72
Location: (KJOURNAL, 11164, 1:w)

JFV 22-AUG-72 9:39 11558
File Control instructions for simple NETINFO queries
Location: (KJOURNAL, 11558, 1:w)

Comments: A very simple-minded retrieval system that saves casual users the trouble to learn about NLS file structures is described. It is applied to the on-line query of ARPANET information with the ICCO conference as a target for demonstration. The service will be maintained after the conference. Instructions for update and maintenance of the data-base are given.

DVN 22-AUG-72 8:58 11556
Call to Meet on the 4-Day Week
Message: This message is to call a meeting to discuss the experient with a work week of 4 ten-hour days for members of PSO. (Hjournal,11220,) (hjournal,11330,) We will meet tomorrow, the 23rd, at 9 AM in the Parsley room. Anyone from ARC who is interested should feel free to come and speak.

KEV 22-AUG-72 1:20 11555

Message: Could all those who ate/or drank at last firday's party please contribute \$2/person (\$1/person for drinkers only) to cover the cost of the food and drinks. Thank you. kev

DVN 21-AUG-72 10:43 11548
Shopping for Facilitators
Location: (KJOURNAL, 11548, 1:w)

(author) Journal documents authored
JAKE 21-AUG-72 17:04 11553
TNLS Beginners Guide Error.

Message: TNL5 Beginners Guide Table-of-Contents. It came to my attention while trying to use the TNL5 Beginners Guide (version 7 Aug 72) that the page numbers cited do not match up with the actual text. For instance, the section called "Command Summary and Help" occurs on page 63 and not on page 53 as cited in the table-of-contents. Perhaps there is still time to redo the page numbers N. (NOTE: I am sending this as a journal message so that I can get the practice of sending messages. You are probably already aware of what I am writing.)

*****Note: Author Copy*****

REQUEST FOR RESOURCE DOCUMENTATION

To: Station Agents

NIC 11606
1-SEPT-72

From: Jeanne North (SRI-ARC)
Information and Agent Coordinator

Subject: Request for Resource Documentation

1

At the ICC Conference, NIC plans to maintain a shelf of
documentation on ARPA Site resources.

2

3

Attached is a copy from your Site's description in the present
Resource Notebook, with references to documentation underlined.
We need your help in the following:

4

- 1) verifying the current usefulness of documents, and/or
- 2) supplying 2 copies to NIC
- 3) supplying 2 copies of other applicable documents which
describe your system and programs.

4a

NIC 1-SEP-72 16:28 11606

REQUEST FOR RESOURCE DOCUMENTATION

(J11606) 1-SEP-72 16:28; Title: Author(s): Jeanne B. North/JBN;
Distribution: Jeanne B. North/NICSTA; Sub-Collections: NIC NICSTA;
Clerk: LLL;
Origin: <LANE>STAGENTS.NLS;1, 1-SEP-72 11:28 LLL ;

NUMBERED SERIES OF SUR NOTES

SUR NOTE 41
NIC 11613

JEANNE NORTH
SRI-ARC

1

Subject: Numbered Series of SUR Notes

2

The NIC wants to give support to the dialog of the SUR Group.

2a

One way NIC can do this is by reproducing and distributing the SUR notes as prepared by Group members. Often this service need not be used, because duplicate copies made by printout or repro are not a burden to the issuer. But you can keep in mind that NIC is able and pleased to do this work if you wish to send a master for repro.

2b

Another support is the maintenance of the Group membership list. Please inform NIC of potential addressees and NIC will clear with Steve Crocker, the SUR Coordinator, and issue new membership lists.

2c

Note: A very important function NIC serves is the recording and cataloging of Group publications. When you distribute the publication yourself, please call NIC to get a NIC number and a SUR note number to be placed on the publication BEFORE it is distributed.

3

Jeanne B. North
Augmentation Research Center
Stanford Research Institute
Menlo Park, California 94025

To:
Access Copy

11613

JBN 7-SEP-72 10:28 11613

NUMBERED SERIES OF SUR NOTES

(J11613) 7-SEP-72 10:28; Title: Author(s): Jeanne B. North/JBN;
Distribution: Jeanne B. North/NICSTA; Sub-Collections: SRI-ARC NICSTA;
Clerk: LLL;
Origin: <LANE>SURLETTER.NLS;1, 7-SEP-72 10:10 LLL ;

DVN 28-AUG-72 9:33 11628

Bair and Borden's Resaerch Visist to ARC:Notice of Draft Memo to
EMC

My draft of a memo to EMC is in my file (vannouhuys,bairtrip,).
Please look at it and offer any corretions and suggestions,
particularly Borden's first name

1

DVN 28-AUG-72 9:33 11628

Bair and Borden's Resaerch Visist to ARC:Notice of Draft Memo to
EMC

(J11628) 28-AUG-72 9:33; Title: Author(s): Dirk H. van Nouhuys/DVN;
Distribution: James H. Bair/JHB; Sub-Collections: SRI-ARC; Clerk: DVN;

Jim Bair wants to Visit ARC

Jim Bair of RADC is proposeng to come here early in September with a sociologist to learn aboutn how we communicate. A draft memo is in file (vannouhuys,bairtrip,). I will journalize it when Bair has checked it. I send this message because I think EMC should respond as quickly as possible.

1

DVN 28-AUG-72 9:46 11629

Jim Bair wants to Visit ARC

(J11629) 28-AUG-72 9:46; Title: Author(s): Dirk H. van Nouhuys/DVN;
Distribution: William H. Paxton, Richard W. Watson, James C. Norton/EMC;
Sub-Collections: SRI-ARC EMC; Clerk: DVN;

OK

Smokey,

I'm using a 2741 terminal through the TIP and everything seems to be working fine. There does seem to be a lot of "line-feeding" but I am guessing that that is a feature. I will now go try to use you from a Model 37 TTY.

1

OK

(J11630) 28-AUG-72 13:17; Title: Author(s): Alex A. McKenzie/AAM;
Distribution: Smokey C. Wallace, Richard W. Watson, Joel B. Levin/DCW
RWW JBL; Sub-Collections: NIC; Clerk: AAM;

Read the LAST thing I said

Smokey,

(Read the previous message from me before reading this)
I'm now using a 37 TTY and it seems OK also. You will,
of course, now undoubtedly get complaints from users who
liked you to bring up NVT's as full-duplex devices, which
you apparently don't do (due to my complaint?). For
your information, although I now believe you're doing
the right thing, I care about that particular issue
a whole lot less than the other problems we discussed.

1

AAM 28-AUG-72 13:40 11631

Read the LAST thing I said

(J11631) 28-AUG-72 13:40; Title: Author(s): Alex A. McKenzie/AAM;
Distribution: Smokey C. Wallace, Richard W. Watson, Joel B. Levin/DCW
RWW JBL; Sub-Collections: NIC; Clerk: AAM;

Four-day week

proposal for the EXECUTIVE MANAGEMENT COMMITTEE concerning PEOPLE SERVICES ORGANIZATION work hours. 1

In order to take some of the strain off of the system and reduce its idle time, Barbara Row, Linda Lane and Kirk Kelley wish to volunteer to work a four day week, ten hours a day. 2

Linda would like to work from 5:00 am until 4:00 pm Monday through Thursday. 3

Kirk would like to work from noon until 11:00 pm Tuesday through Friday. 4

Barbara would like to work from 7:00 am until 5:30 pm Monday through Thursday. 5

These suggested hours are not rigid or final and we understand that they would not be official. We are volunteering to do this only when it does not conflict with the services we provide. We can change to regular hours whenever such a need arises. 6

If enough data is not available to make a decision, we would like to try an experiment to last until a study is completed. 7

Four-day week

(J11632) 28-AUG-72 14:50; Title: Author(s): Kirk E. Kelley, Barbara E. Row/KIRK BER; Distribution: Dirk H. van Nouhuys, Linda L. Lane, Barbara E. Row, Richard W. Watson, Charles H. Irby, James C. Norton/DVN LLL BER RWW CHI JCN; Sub-Collections: SRI-ARC; Clerk: KIRK; Origin: <KELLEY>HOURS.NLS;1, 28-AUG-72 14:35 KIRK ;

Please have my ident added to the IIG list. An IMLAC PDS-1D is scheduled for delivery to SAAC in the next month or so. On the assumption that Peter Deutch's memo (8719) is still in effect, but that replies should be directed to you, configuration info follows:

- horizontal tube 1
 - horizontal tube 1a
 - no LVH 1b
 - hardwire connection to the SAAC-Tip 1c
 - speeds switchable via IMLAC 3 speed interface, presently to be set to 110,600 and 2400 baud input and output paired 1d
 - I/O devices: IMLAC light pen, IMLAC hard copy device, read/write cassette 1e
 - interrupt system characteristics unknown at present 1f
 - binary program load from cassette via rom, from network via bootstrap 1g
 - 8k core 1h
 - we expect to use the IMLAC as a general purpose terminal, as an NLS terminal, and for interactive graphics . 1i
- I am also interested in obtaining information on support for and availability of IMOL, and documentation of the language. 2

(J11633) 28-AUG-72 19:36; Title: Author(s): A. D. (Buz) Owen/ADO;
Distribution: Charles H. Irby/CHI; Keywords: iig, SAAC-Tip;
Sub-Collections: NIC; Clerk: ADG;

JCN 20-SEP-72 11:03 11637
ICCC DEMONSTRATION PLAN

HJOURNAL=" JCN 23 SEP 72 2:16AM 11637";

INTRODUCTION

1

This file contains initial planning notes and ideas for the upcoming ICCC ARC DNLS demonstrations that are to be given by ARC members attending the ICCC in October.

1a

DETAILS UNDER CONSIDERATION FOR THE DEMONSTRATION:

2

We are planning to produce a 20-30 minute TV tape to be shown at fairly frequent intervals throughout the ICCC. It will serve as an introduction to ARC, the NIC, and NLS in order to give as many visitors to the ARC demonstration area as much background as possible.

2a

Those responsible for producing the TV film are: JCN DVN HGL - with help from others as needed.

2a1

Initial runs of the film are planned for 9/21 and 9/22.

2a2

THE ARC DNLS AREA

2b

We have been assigned a very small area (although larger than other booths) in which to demonstrate our wares.

2b1

The booth area will accommodate less than 10 people at once usually, perhaps 20 if we set up remote TV monitors, but that's stretching it.

2b2

TWO-HOUR CYCLES FOR THE ARC DNLS DEMONSTRATIONS:

2c

We are planning to be prepared to present fairly organized, but free-flowing demonstrations of various features of our system with some further introduction to ARC, the NIC, and NLS.

2c1

If it appears more appropriate at various times during the conference, we can simply talk with visitors at the display area informally, rather than give presentations, however, we will be prepared if more "formal" presentations seem to be useful.

2c1a

Cycles would be about 30 minutes each for:

2c2

1. Further introduction to ARC,

2c2a

2. Questions and other audience interaction,

2c2b

3. Special sessions: 1 or 2 within 30 minute periods,

2c2c

4. Questions and audience interaction again	2c2d
This covers 2 hours and repeats, with different special sessions each time as appropriate.	2c3
PRESENTATION TEAM CONCEPT:	2d
We are considering having a three person team in the ARC DNLS/IMLAC area at all times.	2d1
The roles to be performed during each portion of the cycle are:	2d2
CO-PRESENTER who leads the presentation and participates in the following question session.	2d2a
CO-PRESENTER who assists the other CO-PRESENTER, helps with part of the presentation, and participates in the following question session.	2d2b
SUPPORT: a third person to help field questions from the crowd, and to help with problems that may arise --crashes, outside communications, TV starts, etc..	2d2c
The specific people in these roles could change either hourly or in cycle intervals as needed, with the timing staggered to provide some overlap from team to team.	2d3
These people are in addition to the two ARC people who will be assisting in the other parts of the terminal arena.	2d4
INTRODUCTORY SESSIONS OF 30 MINUTES EACH COVERING:	2e
Introduction to ARC and the NIC	2e1
ARC sponsorship: ARPA, ONR, RADC and Xerox collaboration	2e1a
Elements of Aug-sys:	2e1b
People, together with:	2e1b1
Tools, artifacts	2e1b1a
Languages	2e1b1b
Methodology	2e1b1c

Training	2e1b1d
Display, keyset, and mouse basics	2e1c
Editing, jumping (including linking), viewspecs, sorting, file handling, cataloging, software aids	2e1d
Mention of Typewriter and DEX terminals - spectrum	2e1e
Examples of the above with some special features shown. sorts, links, indices?	2e1f
Brief discussion of:	2e1g
Teams - the Journal	2e1g1
ARC NIC role	2e1g2
Software Augmentation	2e1g3
Intelligence System	2e1g4
Documentation Production and Control System	2e1g5
Summary and conclusion	2e1h
SPECIAL FEATURE SESSIONS - 15 to 30 MINUTES AS APPROPRIATE	2f
These sessions should each include:	2f1
5 minute intro to ARC, mouse, keyset, display basics,	2f1a
Reference to the next Introduction to ARC session for those who haven't seen it,	2f1b
Then into the special session topic.	2f1c
Possible topics are:	2f2
1. ONLINE NIC AND ARC WORK USING DNLS AND TNLS:	2f3
use of (nic,locator,:xn)	2f3a
browsing	2f3b
Journal entry	2f3c
2. ARC JOURNAL AND DSS:	2f4

document submission	2f4a
use of indices (norton,jcn,juse:xbgy) -- browsing	2f4b
use of dialog in document preparation	2f4c
3. SOFTWARE COLLABORATION:	2f5
debugging	2f5a
code writing	2f5b
linked screens with audio	2f5c
4. EDITING:	2f6
basic NLS editing	2f6a
split screens and crossfile editing.	2f6b
assimilates	2f6c
sorting	2f6d
5. CATALOG AND INDEX MAKING:	2f7
reformatting, sorting	2f7a
by user	2f7b
by CPP	2f7c
6. USER PROGRAMS:	2f8
content analysis	2f8a
program samples and their uses.	2f8b
libraries of user programs (norton,jcn,programs:ebgz)	2f8b1
7. RADC COLLABORATION - 2 DNLS CONSOLES LINKED	2f9
collaborative browsing and note taking	2f9a
PERSONNEL:	3
CHI DCE DVN JBN JCN JEW JFV MDK MFA PR RWW WLB	3a

TRAINING:

4

We need to work on both our user skill in basic DNLS and TNLS and on the advance runs of presentations that we will give at the ICCC.

4a

The teams set up for training purposes (see-- 11788,) will aid in this process.

4a1

Each presentation will have a key person who will make the first trial run at ARC for the others who will give the presentation.

4b

Each session will need an outline in advance that should be modified after each trial. We plan to use TV recording of the trials for use in playback-study by those to give each presentation.

4b1

Schedule for the first trial runs at ARC
[first presenter in ()]:

4c

Tuesday, Sept. 26 10:00am

4c1

ONLINE NIC AND ARC WORK USING DNLS AND TNLS (RWW)

4c1a

ARC JOURNAL AND DSS (MFA)

4c1b

Tuesday, Sept. 26 2:00pm

4c2

SOFTWARE COLLABORATION (CHI)

4c2a

EDITING (MFA)

4c2b

Thursday, Sept. 28 10:00am

4c3

CATALOG AND INDEX MAKING (DVN)

4c3a

USER PROGRAMS (WLB or JCN)

4c3b

Thursday, Sept. 28 2:00pm

4c4

ARC/NIC INTRODUCTION (JCN)

4c4a

Deferred until later: RADC COLLABORATION - 2 DNLS CONSOLES LINKED

4c5

Second runs may follow in each succeeding week at the same times

4d

ICCC PRESENTATION SCHEDULE:

Tues 10/24 11am to 10:00 pm

Wed 10/25 8:30am to 10:00 pm

Thurs 10/26 8:30am to 5:00 pm

We should plan to run presentations during all of the hours of the Conference, cutting back to fewer times if it seems appropriate.

5

5a

5b

5c

5d

BRIEF OUTLINE of THE ARC PRESENTATIONS:	6
INTRODUCTORY SESSIONS OF 30 MINUTES EACH COVERING:	6a
Introduction to ARC and the NIC	6a1
ARC sponsorship: ARPA, ONR, RADC and Xerox collaboration	6a1a
Elements of Augmentation-systems	6a1b
Display, keyset, and mouse basics	6a1c
Editing, jumping (including linking), viewspecs, sorting, file handling, cataloging, software aids	6a1d
Teams - the Journal	6a1e
Software Augmentation System	6a1f
Intelligence System	6a1g
Documentation Production and Control System	6a1h
Examples of the above with some special features shown. sorts, links, indices?	6a1i
Summary and conclusion	6a1j
SPECIAL FEATURE SESSIONS - 15 to 30 MINUTES AS APPROPRIATE	6b
These sessions should would be scheduled at the ICCC as seems appropriate.	6b1
Topics being considered are:	6b2
1. SOFTWARE COLLABORATION	6b3
2. ARC JOURNAL AND DSS	6b4
3. ONLINE NIC AND ARC WORK USING DNLS AND TNLS	6b5
4. EDITING	6b6
5. CATALOG AND INDEX MAKING	6b7
6. USER PROGRAMS	6b8
7. RADC COLLABORATION - 2 DNLS CONSOLES LINKED	6b9

JCN 20-SEP-72 11:03 11637

ICCC DEMONSTRATION PLAN

(J11637) 20-SEP-72 11:03; Title: Author(s): James C. Norton/JCN;
Distribution: Harvey G. Lehtman, James C. Norton, Douglas C. Engelbart,
James E. (Jim) White, Paul Rech, Michael D. Kudlick, Marilyn F.
Auerbach, Charles H. Irby, Walt Bass, Dirk H. van Nouhuys, Jacques F.
Vallee, Jeanne B. North, Richard W. Watson/HGL ICCCT; Sub-Collections:
SRI-ARC ICCCT; Clerk: JCN;
Origin: <NORTON>ICCCDEMO.NLS;2, 20-SEP-72 10:09 JCN ;

/JEANNE,

JAKE ASKED ME FOR A STATEMENT OF INTEREST FOR THE RESOURCE NOTEBOOK. /SINCE /I DON'T KNOW HER ID, /I AM SENDING IT TO YOU...

/ERNIE

MITRE's network interest has been to provide a test-bed for research and development efforts in:

- o interactive graphics
- o data sharing concepts/techniques
- o user languages, and
- o protocol development.

An outgrowth of our participation in the ARPA network led to an interest in operational network resources for possible incorporation into other in-house capabilities. This has in turn led to an interest in concepts/procedures/techniques for the distribution of computer network benefits to a large population of users. MITRE is active in providing information to potential users about the capabilities of the ARPA network and its hosts, and in assisting users to isolate problems and to make more effective use of the network's resources.

EHF 29-AUG-72 10:59 11640

(J11640) 29-AUG-72 10:59; Author(s): Ernest H. Forman/EHF;
Distribution: Jeanne B. North/JBN; Sub-Collections: NIC; Clerk: EHF;

ICCC DOCUMENTATION SCHEDULE

ICCC DOCUMENTATION SCHEDULE. Your Duties for the ICCC are listed under your name with the deadlines for each one

	1
Cindy Page	1a
NIC STATION COLLECTION	1a1
9-4 pulled together	1a1a
9-11 stockpile	1a1b
USER DOCUMENTATION FROM SITES (help Jake)	1a2
Jake Feinler	1b
USER DOCUMENTATION FROM SITES	1b1
8-28 call sites for input	1b1a
9-24 receive input	1b1b
9-28 stockpile	1b1c
NIC DOCUMENTS - TNLS USER GUIDE (Help Marilyn)	1b2
RESOURCE NOTEBOOK	1b3
CONDENSED VERSION	1b3a
9-1 phoning done	1b3a1
9-11 draft	1b3a2
9-15 input	1b3a3
9-21 add minor stuff	1b3a4
9-28 COM	1b3a5
10-1 stock	1b3a6
10-2 print	1b3a7
FULL VERSION	1b3b
9-1 phoning done	1b3b1
9-11 draft	1b3b2

ICCC DOCUMENTATION SCHEDULE

9-15	input	1b3b3
9-21	add minor stuff	1b3b4
10-9	COM	1b3b5
10-12	print	1b3b6
Dick Watson		1c
ARC SCENARIOS		1c1
8-28	1st draft	1c1a
8-29	final	1c1b
8-30	to Boston	1c1c
NET SCENARIOS		1c2
ICCC REGISTRATION HANDOUT		1c3
9-9	input received from CERF	1c3a
9-21	COM	1c3b
9-25	print	1c3c
9-29	stock	1c3d
BOOKLET		1c4
9-2	bibliography	1c4a
9-11	input received from CERF	1c4b
9-15	maps from BEN layout from MIT schedule from Metcalf credits	1c4c
9-23	COM	1c4d
9-25	print	1c4e
9-28	stockpile	1c4f
Jeane North		1d

ICCC DOCUMENTATION SCHEDULE

FCLDOUT		1d1
8-28	first draft for Boston	1d1a
9-11	edited	1d1b
9-15	final draft	1d1c
9-18	COM	1d1d
9-21	Print	1d1e
9-28	stock	1d1f
BOOKLET		1d2
9-2	bibliography	1d2a
9-11	input received from CERF	1d2b
9-15	maps from BBN layout from MIT schedule from Metcalf credits	1d2c
9-23	COM	1d2d
9-25	print	1d2e
9-28	stockpile	1d2f
CATALOG		1d3
9-11	formatted	1d3a
9-15	COM	1d3b
9-21	print	1d3c
9-24	stockpile	1d3d
PROTOCOL NOTEBOOK		1d4
9-7	1st draft	1d4a
9-14	final	1d4b
9-18	COM	1d4c

ICCC DOCUMENTATION SCHEDULE

9-24	print	1d4d
Dean Meyer		1e
ARC HANDBOOK (Help Marilyn)		1e1
ARC REPORTS		1e2
9-4	stockpile	1e2a
Marilyn Auerbach		1f
ARC SCENARIOS (Help Dick)		1f1
ARC HANDBOOK		1f2
TABLE OF CONTENTS		1f2a
9-23	update	1f2a1
9-28	reformat	1f2a2
10-2	final draft	1f2a3
10-7	print	1f2a4
SAMPLES		1f2b
8-28	list candidates	1f2b1
9-4	pull together / print	1f2b2
9-11	stockpile	1f2b3
NIC DOCUMENTS		1f3
TNLS USER GUIDE		1f3a
9-15	final draft	1f3a1
9-23	print	1f3a2
9-25	stockpile	1f3a3
JOURNAL USER GUIDE		1f3b
9-15	final draft	1f3b1
9-23	print	1f3b2

ICCC DOCUMENTATION SCHEDULE

9-25	stockpile	1f3b3
BEGINNERS GUIDE		1f3c
9-23	final draft	1f3c1
9-30	print	1f3c2
10-5	stockpile	1f3c3
Charles Irby		1g
JOURNAL USER GUIDE (NIC DOCUMENTS) - Help Marilyn		1g1
David Hopper		1h
JOURNAL USER GUIDE (NIC DOCUMENTS) - Help Marilyn		1h1
Barbara Row		1i
DIRECTORY - help Cindy		1i1
Jim White		1j
BIGINNERS GUIDE (NIC DOCUMENTS) - Help Marilyn		1j1
Beauregard Hardeman		2
DIRECTORY - help Cindy		2a
JOURNAL INDEXES		2b
10-13	do it all, hand carry to conference	2b1

ICCC DOCUMENTATION SCHEDULE

(J11641) 29-AUG-72 11:14; Title: Author(s): Kirk E. Kelley/KIRK;
Distribution: Guest O. ARC, Elizabeth J. Feinler, Augmentation Research
Handbook, Kirk E. Kelley, N. Dean Meyer, Kay F. Byrd, Ralph Prather,
James E. (Jim) White, Jacques F. Vallee, Diane S. Kaye, Paul Rech,
Michael D. Kudlick, Don Limuti, Ferg R. Ferguson, Linda L. Lane, Marilyn
F. Auerbach, Walt Bass, Douglas C. Engelbart, Beauregard A. Hardeman,
Martin E. Hardy, J. D. Hopper, Charles H. Irby, Mil E. Jernigan, Harvey
G. Lehtman, Jeanne B. North, James C. Norton, Cindy Page, William H.
Paxton, Jeffrey C. Peters, Jake Ratliff, Barbara E. Row, Ed K. Van De
Riet, Dirk H. van Nouhuys, Kenneth E. Victor, Smokey C. Wallace, Richard
W. Watson, Don I. Andrews/SRI-ARC; Sub-Collections: SRI-ARC; Clerk:
KIRK;
Origin: <KELLEY>SCHEDULE.NLS;1, 28-AUG-72 11:29 KIRK ;

Note to Bill Jones

Bill,

I've been having problems with the file transfer stuff. Something has changed since I first checked the programs out for you and I haven't found the problem. Let me know if you're having problems too.

By the way, have you been able to get on UCSB yet???

JRP 29-AUG-72 11:26 11642

Note to Bill Jones

(J11642) 29-AUG-72 11:26; Title: Author(s): John R. Pickens/JRP;
Distribution: William P. Jones, John R. Pickens/WPJ JRP;
Sub-Collections: NIC; Clerk: JRP;

ICCC Film Demonstration Message

This is a demonstration message showing the entry of a message to the NIC Journal . This message will be sent to Bob Kahn at BBN.

1

RWW 29-AUG-72 15:36 11644

ICCC Film Demonstration Message

(J11644) 29-AUG-72 15:36; Title: Author(s): Richard W. Watson/RWW;
Distribution: Robert E. Kahn/REK2; Sub-Collections: SRI-ARC; Clerk: RWW;

PLEASE PLEASE keep IMNLS clean

PLEASE keep the comments in IMNLS up to date when you make changes. It is very difficult to know whether it is safe to change the program otherwise. I am about to look at the known bugs and also at the sequential DA stuff.

1

LPD 29-AUG-72 20:37 11645

PLEASE PLEASE keep IMNLS clean

(J11645) 29-AUG-72 20:37; Title: Author(s): L. Peter Deutsch/LPD;
Distribution: William S. Duvall, Rome Air Development Center (ISIM),
Kenneth E. Victor/WSD RADC KEV; Keywords: IMLAC,IMNLS; Sub-Collections:
NIC RADC; Clerk: LPD;

Relative timings of simple patterns and Substitute

See (11135,), (11153,), (11506,), and (11569,) for history.

Relative timings of simple patterns and Substitute

A timing test this morning produced the following interesting data: running the pattern ["istp"/"idlp"] on a file with 32 data pages and 15 structure pages with 30 occurrences consumed 93.7 seconds of CPU time (including printing the statements); substituting the literals for themselves took 8.3 seconds. For this example, the time required for a compiled pattern should be almost as small as for substitute.

1

Relative timings of simple patterns and Substitute

(J11646) 30-AUG-72 8:54; Title: Author(s): L. Peter Deutsch/LPD;
Distribution: James C. Norton, Michael D. Kudlick, Richard W. Watson,
Charles H. Irby, Harvey G. Lehtman, Paul Rech, Douglas C. Engelbart,
Dirk H. van Nouhuys, William H. Paxton, William S. Duvall, Diane S.
Kaye/JCN MDK RWW CHI HGL PR DCE DVN WHP WSD DSK; Sub-Collections: NIC;
Clerk: LPD;

Speeding up procedure calls NOW

There is a trivial change to the L10 UVO dispatch which speeds up procedure calls by about 20%. This change has been known to LPD and WHP for at least six months and has been incorporated into the version of the L10 runtime used by the MPS project. Why the hell hasn't it gone into NLS? If NLS spends 30% of its time in the procedure call code, this one change would decrease the CPU load by 6%. Since informal methods seem to have failed, here is the change: replace the UVO entry code by HRLZ 4,40; ROT 4,-11; HRLI 5,0; JRST @POPTAB(4). This requires expanding POPTAB to the full 100 entries. Also the AC field from the UVO is in bits 0-3 of AC 4, whence it can be accessed with a ROT rather than a LDB. By timing 500000 repetitions, this change cuts 7.7 microseconds from the UVO time.

1

Speeding up procedure calls NOW

(J11647) 30-AUG-72 10:47; Title: Author(s): L. Peter Deutsch/LPD;
Distribution: William H. Paxton, Charles H. Irby, Diane S. Kaye, Harvey
G. Lehtman, Douglas C. Engelbart, L. Peter Deutsch/WHP CHI DSK HGL DCE
LPD; Sub-Collections: NIC; Clerk: LPD;

Correction to previous

Corrigendum to 11647: the HRLZ should be a HLRZ (of course).

1

Correction to previous

(J11648) 30-AUG-72 10:49; Title: Author(s): L. Peter Deutsch/LPD;
Distribution: William H. Paxton, Charles H. Irby, Diane S. Kaye, Harvey
G. Lehtman, Douglas C. Engelbart, L. Peter Deutsch/WHP CHI DSK HGL DCE
LPD; Sub-Collections: NIC; Clerk: LPD;

NDM 30-AUG-72 13:00 11649

The Ultimate Format Designer

a ressurection of bruce parsley's and my thoughts
on the ideal output processor format designer of the future

The Ultimate Format Designer

THE ULTIMATE FORMAT DESIGNER
first take

1

Outputting a text-with-graphics file requires a detailed list of parameters on what to do with the data in the file; we call this the format of the file. The format designer was intended to be a subsystem, either of TENEX or of NLS, which would allow the user to specify exactly what he wanted his output to look like before he sent it through the output processor to be compiled into a form compatible with whatever device is available.

2

This file is a summary of Bruce Parsley's and my thoughts on the shape that the format designer part of the output process should take. Since these ideas are not immediately practical, details had not been worked out.

3

These were thoughts about the "ultimate" format designer. Its purpose would be to design formats to output files in book form of publication quality. It was intended to provide a simple way for the user to describe how he wants his document to look, yet provide him maximum flexibility.

3a

We assumed no limitations from the output device.

3a1

Format designing should be an on-line interactive process.

3a2

We tried to assume that the user had virtually no knowledge of the printing arts (which was easy since we were in that very position).

3a3

There would be two phases to designing a format: designating the parameters of the format and placing keys for the output processor in the actual text file.

3b

We were considering two alternatives for the designation of format parameters: a function format designer and an area format designer.

3b1

The function format designer describes a format for each source, (e.g. text, page number generator, footnotes, etc.). The area formatter describes an area on the page, then attaches a source.

3b1a

In both cases, when appropriate a list of questions should be displayed on the screen. The user could then

The Ultimate Format Designer

point to a question (parameter) and choose a new value for it.

3b1b

Each user would have a library of formats that he has designed. This would include a set of keys into files which have been defined in the process.

3b1c

Keys could be placed in the files as they are now or by special NLS commands.

3b2

A key, much like present directives, would cause a change in the format, a specific move, or would designate what area a statement should go to.

3b2a

At the beginning of each file, a document format could be inserted which would call into effect one of each of the other sub-formats (one for each source or area). Keys could make changes at any point thereafter.

3b2b

Function Format Designer

Function Format Designer

4

1 When the user enters the format designer, he would be presented with the following list of functions, and would be asked to select one (with the mouse):

4a

key library	4a1
document	4a2
page	4a3
body	4a4
page number	4a5
running head	4a6
figure	4a7
footnote	4a8
heading	4a9
marginal note	4a10
tab	4a11
type font originator	4a12

2 Upon choosing one, the user enters a "sub-format designer" mode, and the appropriate display is created.

4b

First, the user will be asked to name that sub-format.

4b1

If it is a new name, default values will be displayed for each of the parameters.

4b1a

There should be a command to turn default values on and off

4b1a1

If it is an already defined sub-format, the defined values will be displayed.

4b1b

He may then change any of the parameters by pointing to that line and inserting a value and the unit of measurement

4b2

Values can be given in inches, millimeters, characters or lines, points, or picas.

4b2a

Must be able to fill blanks with things like <n, >n, n,m when sensible

4b2a1

Once the page size is defined, it may be drawn to scale on the right half of the screen, and any further descriptions of position could be made with the mouse (or keyboard), then displayed graphically.

4b2b

He may also at any point change the name of the sub-format.

4b3

Function Format Designer

3 When he is done, some command will store those values as a sub-format of that name and return him to the beginning point where he may choose another function.

4c

One should be able to erase the last decision within question (like the back-space does in a NLS command), all decisions in a question (like the CD does in a NLS command), or replace the whole format with default values to start over.

4c1

4 When he is done with the format designer, some command will store everything in his format library and return him to NLS.

4d

Function Format Designer

Sub-format Possibilities and Parameters	4e
key library	4e1
Should be able to list, rename, delete, etc., keys	4e1a
Do this here	4e1b
tab key --	4e1b1
indent key --	4e1b2
line skip key --	4e1b3
figure format --	4e1b4
new line	4e1b5
new line after end of statement	4e1b6
new line after end of line	4e1b7
new page	4e1b8
new page after end of statement	4e1b9
new page after end of line	4e1b10
delete picture	4e1b11
set page number = --	4e1b12
footnote this statement	4e1b13
From here	4e1c
document format --	4e1c1
page format --	4e1c2
body format --	4e1c3
page number format --	4e1c4
running head format --	4e1c5
figure format --	4e1c6
footnote format --	4e1c7
heading format --	4e1c8
marginal note format --	4e1c9
tab format --	4e1c10
heading key --	4e1c11
running head key --	4e1c12
marginal note key --	4e1c13
caption key --	4e1c14
print directives	4e1c15
print keys	4e1c16
footnote from here -- *	4e1c17
attach this footnote -- *	4e1c18
skip -- *	4e1c19
branch only	4e1c20
delete all pictures	4e1c21
move figure -- *	4e1c22
content analyzer on/off	4e1c23
L = --	4e1c24
T = --	4e1c25
trail on/off	4e1c26
statement numbers on/off	4e1c27

Function Format Designer

blank lines on/off	4e1c28
indenting on/off	4e1c29
names on/off	4e1c30
keyword reordering on/off	4e1c31
signatures on/off	4e1c32
* means "must be followed by a 'to here' key of the same string" (i.e., one must put a number or a unique string after these, then at some point in the file have a 'to here' key of that string or number.	
To here	4e1c32a
to here --	4e1d
delete ----- / here	4e1d1
[e.g. Delete Indent Key 35 Here, or Delete Body Format 2 Here]	4e1d2
	4e1d2a
document	4e2
The document format asks for the name of all the subformats to be put into effect at the beginning of the file.	
	4e2a
They may be changed at any point by a key in the file.	
	4e2a1
Sub-formats: page, body, page number, running head, figure, footnote, heading, marginal note, tab	
	4e2a2
left, right or both pages	4e2b
everything can be defined separately for left and right pages	
	4e2b1
page	4e3
dimensions	4e3a
dashes dividing pages?	4e3b
reset viewspecs?	4e3c
body	4e4
margins	4e4a
text position	4e4b
flush left, right, both, center	4e4b1

Function Format Designer

if both, expand to full line if within -- (inches)(characters)(points) of filling line; otherwise flush left, right, or center?	4e4b1a
if center, with respect to what position	4e4b1b
same for vertical	4e4b2
minimum of -- lines or (all) of level -- or (any) statement must be on (left)(right) page [can be designated for each statement level and page]	4e4c
repeatable for each level	4e4c1
type style, size, leading [distance between lines]	4e4d
definable for normal, italics, boldface, overbar, and underbar (assuming these will be reimplemented in NLS)	4e4d1
indenting: --spaces for -- or (all) level[s], maximum indent	4e4e
spaces, lines, page skips before -- level or (all) statements	4e4f
definable for each level	4e4f1
viewspecs	4e4g
page number	4e5
numeral system	4e5a
position, horizontal and vertical, with respect to margins or page edge, justification	4e5b
type style, size	4e5c
if within text, blank space above, below, left, and right of numbers	4e5d
running head	4e6
input literal, level --, or running head key --	4e6a
position and justification [like body position]	4e6b
type style, size, leading	4e6c

Function Format Designer

if source is from file: statement numbers, names signatures on/off, truncation	4e6d
if within body, blank space surrounding	4e6e
figure	4e7
figure area includes figure and caption	4e7a
placement and size	4e7b
either an area on the page or "as near to text reference as possible"	4e7b1
if within text, surrounding blank area	4e7c
define figure area and caption area within overall figure area	4e7d
source of caption, viewspecs	4e7e
justification of caption	4e7f
type style, size, leading of caption and text within figure	4e7g
if source is from file: statement numbers, names signatures on/off, truncation	4e7h
footnote	4e8
source	4e8a
print at end of current statement, current level -- statement, page, document.	4e8b
margins (left, right, bottom)	4e8c
justification	4e8d
type style and size, viespecs if source is file	4e8e
separating line? how long, of what character?	4e8f
indenting first line, successive lines, all but number	4e8g
spaces after number	4e8h

Function Format Designer

heading [like chapter head]	4e9
source	4e9a
new page, new line, or same as text	4e9b
position on page	4e9c
type style, size, viewspecs, truncation	4e9d
if heading is within inches, picas, points of end of page, paginate	4e9e
marginal note	4e10
source	4e10a
margin	4e10b
left, right, inside, outside, top, bottom	4e10b1
position	4e10c
if encroaches on text, blank space surrounding	4e10c1
type style, size, viewspecs	4e10d
tab	4e11
tab number --	4e11a
position	4e11a1
left or right justify to tab	4e11a2
type font originator	4e12

Area Format Designer

Area Format Designer

5

This format designer was intended to be a generalization of the function format designer, conceived to do graphically what the other does via alphanumeric questions and blanks [although the first method included some of this mode too, and these questions may be answered alphanumerically as well as with the mouse].

5a

1 The computer first asks the user to name the document format, give the page size, whether on not dashes should divide the pages, and reset any viewspecs if desired.

5b

2 At this point, a rectangle representing the page to some scale should appear on the screen

5c

3 A choice of left, right, or both pages should be made.

5d

If one page is defined, then the other, when about to be defined, should show as default values the values of the first page.

5d1

4 An area is then defined within the page boundaries.

5e

This may be done by the mouse or by description.

5e1

5 Usable space within the area should then be defined.

5f

6 A source should then be chosen: page numberer, footnote numberer, text of statement, signatures, statement names, statement numbers, statement id, pointers, pictures, text surrounded by string, current date, file origin statement.

5g

Combinations are acceptable. Sources should be bugged in the desired order, separated by the appropriate characters or literals.

5g1

7 Question are then tailored to the source.

5h

page numberer

5h1

numeral system

5h1a

numerals on blank pages

5h1b

numerals (not)(only) on pages holding key --

5h1c

footnote numberer

5h2

Area Format Designer

numeral system	5h2a
at end of statement, page, level --, document, or at key --	5h2b
line above footnote? what character, how long?	5h2c
leave -- spaces for numbers	5h2d
numbers right or left justified	5h2e
rest of footnote left justified to -- spaces after (number)(left margin of area)	5h2f
text	5h3
(level --)(key--)	5h3a
pointer name[s], string surrounding, area of origin statement, if applicable	5h3b
all	5h4
type style, size, leading	5h4a
definable for each combination of regular, boldface, italics, underbar, and overbar	5h4a1
justification, horizontal and vertical	5h4b
may be centered at bugged point	5h4b1
widow lines: min. of -- lines or all of level-- or any statement must be on this page	5h4c
indenting? how much? maximum?	5h4d
line or page skip after level-- or key --	5h4e
number of horizontal spaces between statements	5h4e1
truncation	5h4f
tab format	5h4g
tab number --	5h4g1
position	5h4g1a

Area Format Designer

	left or right justify to tab	5h4g1b
8	End of Format Designer	5i
	Number areas in order of priority in case of overlapping.	5i1

NDM 30-AUG-72 13:00 11649

The Ultimate Format Designer

(J11649) 30-AUG-72 13:00; Title: Author(s): N. Dean Meyer/NDM;
Distribution: Walt Bass, N. Dean Meyer, Dirk H. van Nouhuys, Marilyn F.
Auerbach, Diane S. Kaye, Douglas C. Engelbart, James C. Norton, Richard
W. Watson, Charles H. Irby/DPCS; Sub-Collections: SRI-ARC DPCS; Clerk:
NDM;
Origin: <MEYER>FMTDS.NLS;7, 30-AUG-72 12:47 NDM ;
.HJournal="NDM 2 SEP 72 XXXXX";

ICCC DOCUMENTATION SCHEDULE version 2

This is a more complete version of (KJOURNAL, 11641,)
It lists the responsible people and the dates for each project's
partial deadlines. The first version was not authored by kirk,
that was a mistake.

ICCC DOCUMENTATION SCHEDULE version 2

9-21	input	1
ICCC DOCUMENTATION SCHEDULE		2
DIRECTORY		2a
Cindy Page - pusher (Beauregard Hardiman) (Barbara Row) copies: 10		2a1
9-1	phoning done	2a1a
9-7	input	2a1b
9-11	run	2a1c
9-15	COM	2a1d
9-21	print	2a1e
9-23	stock	2a1f
10-2	mail	2a1g
BLUEBOOKS		2b
ARPA - pusher		2b1
copies: 1500-2500		2b2
(handled completely by ARPA)		2b2a
NIC STATION COLLECTION		2c
Cindy Page - pusher		2c1
copies: 1		2c2
9-4	pulled together	2c2a
9-11	stockpile	2c2b
10-2	mail	2c2c
USER DOCUMENTATION FROM SITES		2d
Jake Feinler - pusher (Cindy Page)		2d1

ICCC DOCUMENTATION SCHEDULE version 2

copies:	1-2		2d2
	8-28	call sites for input	2d2a
	9-24	receive input	2d2b
	9-28	stockpile	2d2c
	10-2	mail	2d2d

RESOURCE NOTEBOOK

		Jake Feinler - pusher	2e
copies:	10		2e1
			2e2

CONDENSED VERSION

copies:	1500-2500		2e3
	9-1	phoning done	2e3a
	9-11	draft	2e3b
	9-15	input	2e3c
	9-21	add minor stuff	2e3d
	9-28	COM	2e3e
	10-1	stock	2e3f
	10-2	print	2e3g

FULL VERSION

copies:	10		2e4
	9-1	phoning done	2e4a
	9-11	draft	2e4b
	9-15	input	2e4c
	9-21	add minor stuff	2e4d
	10-9	COM	2e4e
	10-12	print	2e4f
	10-23	hand carry	2e4g

ICCC DOCUMENTATION SCHEDULE version 2

ARC SCENARIOS	2f
Dick Watson - pusher (Marilyn Auerbach) (Jacques Vallee) (Jim White) copies:	2f1
8-28 1st draft	2f1a
8-29 final	2f1b
8-30 to Boston	2f1c
10-13 mail	2f1d
BOOKLET	2g
Dick Watson and Jeanne North - pushers copies: 1500-2500	2g1
9-2 bibliography	2g1a
9-11 input received from CERF	2g1b
9-15 maps from BBN layout from MIT schedule from Metcalf credits	2g1c
9-23 COM	2g1d
9-25 print	2g1e
9-28 stockpile	2g1f
10-2 mail	2g1g
ICCC REGISTRATION HANDOUT	2h
Dick Watson copies: 1500	2h1
9-9 input received from CERF	2h1a
9-21 COM	2h1b
9-25 print	2h1c

ICCC DOCUMENTATION SCHEDULE version 2

9-29	stock	2h1d
10-2	mail	2h1e
NET SCENARIOS		2i
NET - pusher (Dick Watson) (Metcalf) copies: 1500-2500		2i1
9-15	recieved at ARC	2i1a
9-21	input	2i1b
9-25	COM	2i1c
9-30	print	2i1d
10-7	stockpile	2i1e
10-13	mail	2i1f
FOLDOUT		2j
Jeanne North - pusher (Dean & Marilyn) - format copies: 1500-2500		2j1
8-28	first draft for Boston	2j1a
9-11	edited	2j1b
9-15	final draft	2j1c
9-18	COM	2j1d
9-21	Print on Heavy Stock	2j1e
9-28	stock	2j1f
10-2	mail	2j1g
BOOKLET		2k
Jeanne North & Dick Watson - Pushers copies: 1500-2500		2k1
9-2	bibliography	2k1a

ICCC DOCUMENTATION SCHEDULE version 2

9-11	input received from CERF	2k1b
9-15	maps from BBN layout from MIT schedule from Metcalf credits	2k1c
9-23	COM	2k1d
9-25	print	2k1e
9-28	stockpile	2k1f
10-2	mail	2k1g
CATALOG (use current)		2l
Jeanne North - pusher copies: 10		2l1
9-11	formatted	2l1a
9-15	COM	2l1b
9-21	print	2l1c
9-24	stockpile	2l1d
10-2	mail	2l1e
PROTOCOL NOTEBOOK		2m
Jeanne North - pusher copies: 10		2m1
9-7	1st draft	2m1a
9-14	final	2m1b
9-18	COM	2m1c
9-24	print	2m1d
10-2	mail	2m1e
ARC REPORTS (last 3 years plus 1962)		2n
Dean Meyer - pusher copies: 2 each		2n1

ICCC DOCUMENTATION SCHEDULE version 2

9-4	stockpile	2n1a
10-2	mail	2n1b
ARC HANDBOOK		2o
Marilyn Auerbach - pusher (Dean Meyer) copies: 1 each		2o1
TABLE OF CONTENTS		2o1a
9-23	update	2o1a1
9-28	reformat	2o1a2
10-2	final draft	2o1a3
10-7	print	2o1a4
10-13	mail	2o1a5
SAMPLES		2o1b
8-28	list candidates	2o1b1
9-4	pull together / print	2o1b2
9-11	stockpile	2o1b3
10-2	mail	2o1b4
NIC DOCUMENTS		2p
Marilyn Auerbach - pusher		2p1
TNLS USER GUID (Jake Feinler) copies: 2		2p1a
9-15	final draft	2p1a1
9-23	print	2p1a2
9-25	stockpile	2p1a3
10-2	mail	2p1a4
JOURNAL USER GUIDE (Charles Irby, Dave Hopper) copies: 2		2p1b

ICCC DOCUMENTATION SCHEDULE version 2

9-15	final draft	2p1b1
9-23	print	2p1b2
9-25	stockpile	2p1b3
10-2	mail	2p1b4
BEGINNERS GUIDE (Jim White)		
copies:	20	2p1c
9-23	final draft	2p1c1
9-30	print	2p1c2
10-5	stockpile	2p1c3
10-13	mail	2p1c4
JOURNAL INDEXES (3 indexes and last 3 volumes of journal up to 10/15 hardcopy complete)		2q
Beauregard Hardeman - pusher		2q1
10-13	do it all, hand carry to conference	2q1a

ICCC DOCUMENTATION SCHEDULE version 2

(J11650) 30-AUG-72 14:08; Title: Author(s): Marilyn F. Auerbach/MFA;
Distribution: Guest O. ARC, Elizabeth J. Feinler, Augmentation Research
Handbook, Kirk E. Kelley, N. Dean Meyer, Kay F. Byrd, Ralph Prather,
James E. (Jim) White, Jacques F. Vallee, Diane S. Kaye, Paul Rech,
Michael D. Kudlick, Don Limuti, Ferg R. Ferguson, Linda L. Lane, Marilyn
F. Auerbach, Walt Bass, Douglas C. Engelbart, Beauregard A. Hardeman,
Martin E. Hardy, J. D. Hopper, Charles H. Irby, Mil E. Jernigan, Harvey
G. Lehtman, Jeanne B. North, James C. Norton, Cindy Page, William H.
Paxton, Jeffrey C. Peters, Jake Ratliff, Barbara E. Row, Ed K. Van De
Riet, Dirk H. van Nouhuys, Kenneth E. Victor, Smokey C. Wallace, Richard
W. Watson, Don I. Andrews/SRI-ARC; Sub-Collections: SRI-ARC; Obsolete
Document(s): ; Updates Document(s): 11641; Clerk: KIRK;
Origin: <KELLEY>SCHEDULE.NLS;2, 30-AUG-72 11:03 KIRK ;

<KJOURNAL>11651.NLS;1, 30-AUG-72 17:38 XXX ; .HJOURNAL="&SRI-ARC
 30-AUG-72 16:06 11651"; Title: .HED="NLS COMMAND SUMMARY
 (PRELIMINARY)"; it may be in need of debugging. Please report any
 errors to me as soon as possible.

Hardcopy versions (photo reduced and comb bound will be
 available from Cindy next week or so. -- Marilyn"; Author(s): Stanford
 Research Institute/&SRI-ARC; Distribution: Guest O. ARC, Elizabeth J.
 Feinler, Augmentation Research Handbook, Kirk E. Kelley, N. Dean Meyer,
 Kay F. Byrd, Ralph Prather, James E. (Jim) White, Jacques F. Vallee,
 Diane S. Kaye, Paul Rech, Michael D. Kudlick, Don Limuti, Ferg R.
 Ferguson, Linda L. Lane, Marilyn F. Auerbach, Walt Bass, Douglas C.
 Engelbart, Beauregard A. Hardeman, Martin E. Hardy, J. D. Hopper,
 Charles H. Irby, Mil E. Jernigan, Harvey G. Lehtman, Jeanne B. North,
 James C. Norton, Cindy Page, William H. Paxton, Jeffrey C. Peters, Jake
 Ratliff, Barbara E. Row, Ed K. Van De Riet, Dirk H. van Nouhuys,
 Kenneth E. Victor, Smokey C. Wallace, Richard W. Watson, Don I.
 Andrews/SRI-ARC; Sub-Collections: SRI-ARC; Clerk: MFA; .IGD=0;
 .SNF=72; .MCH=65; .TABSTOPS=8,16,24,32,40,48,56,64; .PGN=-1; .SCR=2;
 .PES;

Origin: <AUERBACH>SUMMARY.NLS;6, 30-AUG-72 15:17 MFA ; ("ok");.DLD='<;
 <DRD='>; <LBS O> <Pfit> <PNO O> <HLN=5> <PES> <Names=O>
 <BRM=120>

.PEL; .PGN=PGN-1; .GCR;This document is an attempt to pull together
 every available NLS command. It is meant for local ARC usage and may
 be in need of further debugging. Please report any errors to me as
 soon as is possible.

Hardcopy versions (photo reduced and comb-bound will be available from
 Cindy some time next week. -- Marilyn

iccc, tymsat/tip, and scenarios

Dick ... Still trying to get scenarios from Max Beere. He says I should have them today (Thurs), and if so I'll put them in your directory under the name Scenarios. If I wait for the Journal you wouldn't get them the same day. Also, as Bob Kahn knows via phone conversation last night (Wed) the TYMSAT-TIP connection still hasn't been made but is "supposed to be made today" says Max Beere. If that happens, or if it doesn't, whatever, I'll call you or Bob. ... Mike.

1

MDK 30-AUG-72 16:21 11652

iccc, tynsat/tip, and scenarios

(J11652) 30-AUG-72 16:21; Title: Author(s): Michael D. Kudlick/MDK;
Distribution: Richard W. Watson/RWW; Sub-Collections: SRI-ARC; Clerk:
MDK;

Request for change to user feedback on illegal Journal links

CHI:

1

This is a request for a change to the feedback message that the user gets when he jumps on an illegal link - such as one to a non-existent or archived Journal document.

2

Non-existent or archived Journal document example: (21567,)

2a

Jump to link produces:

CANNOT LOAD FILE <NORTON>21567(File does not

2a1

It seems to me that for now - and the ICC - the message should read something like:

3

for archived documents:

3a

"Journal xxxxx archived. Use archive command if retrieval desired."

3a1

for non-existent journal document:

3b

"Journal xxxxx does not exist"

3b1

When we later have some facility for interacting with the user to take his retrieval request directly from NLS, then the feedback would be different, of course.

4

JCN 30-AUG-72 16:36 11653

Request for change to user feedback on illegal Journal links

(J11653) 30-AUG-72 16:36; Title: Author(s): James C. Norton/JCN;
Distribution: Charles H. Irby, James C. Norton/CHI JCN; Sub-Collections:
SRI-ARC; Clerk: JCN;
Origin: <NORTON>BL.NLS;9, 30-AUG-72 8:33 JCN ;

Journal stuff

Please add Lucille C. Gilliard (LCG) to the ident file, and change the SAAC-Tip station agent from AUK to LCG.

1

In recent mailings, and in the ident file, the addresses of some of the SAAC-Tip people have become garbled, probably due to some error of mine. The SAAC-Tip is located at the:

Seismic Array Analysis Center
813 North Royal Street
Alexandria, Virginia 22314

but the correct mailing address for each of the people presently listed under SAAC-Tip is

Teledyne Geotech
P.O. Box 334
Alexandria, Virginia 22313

2

Other information for the identfile:

Phone extensions are ADO:278,VRB:205,AUK:219 and LCG:295.
The SAAC-Tip is imp #26, host #2.

3

If you would change the "V" in "V. R. Bruffey" to "Vernon", NLS could greet him as "Vernon" instead of "Bruffey". It would also be nice if NLS could somehow manage to greet LCG as "Lucy".

4

Finally, I would be most gratified to observe the creation of a directory <SAAC-TIP> at the NIC.

5

Y.H.S. Buz Owen

6

ADO 30-AUG-72 16:54 11654

Journal stuff

(J11654) 30-AUG-72 16:54; Title: Author(s): A. D. (Buz) Owen/ADO;
Distribution: Cindy Page/CXP; Sub-Collections: NIC; Clerk: ADO;

A SAMPLE JOURNAL SESSION

This a simple message

ARCG 31-AUG-72 14:39 11655

A SAMPLE JOURNAL SESSION

(J11655) 31-AUG-72 14:39; Title: Author(s): Guest O. ARC/ARCG;
Distribution: Albert Veza/AV; Sub-Collections: SRI-ARC; Clerk: ARCG;

APE tries again

ARC PHYSICAL ENVIRONMENT SIG

Please read (KJOURNAL, 11071, 1: w) if you haven't already done so.

This first meeting will be held on Tuesday, September 5, at 3:00PM in the parsley room instead of Aug 31.

Please bring lots of ideas, but don't feel that that's an entrance requirement.

APE

APE tries again

(J11657) 31-AUG-72 16:31; Title: Author(s): N. Dean Meyer/NDM;
Distribution: Guest O. ARC, Elizabeth J. Feinler, Augmentation Research
Handbook, Kirk E. Kelley, N. Dean Meyer, Kay F. Byrd, Ralph Prather,
James E. (Jim) White, Jacques F. Vallee, Diane S. Kaye, Paul Rech,
Michael D. Kudlick, Don Limuti, Ferg E. Ferguson, Linda L. Lane, Marilyn
F. Auerbach, Walt Bass, Douglas C. Engelbart, Beauregard A. Hardeman,
Martin E. Hardy, J. D. Hopper, Charles H. Irby, Mil E. Jernigan, Harvey
G. Lehtman, Jeanne B. North, James C. Norton, Cindy Page, William H.
Paxton, Jeffrey C. Peters, Jake Ratliff, Barbara E. Row, Ed K. Van De
Riet, Dirk H. van Nouhuys, Kenneth E. Victor, Smokey C. Wallace, Richard
W. Watson, Don I. Andrews/SRI-ARC; Sub-Collections: SRI-ARC; Clerk: NDM;

Does the journal work?

A test

1

Does the journal work?

(J11659) 1-SEP-72 13:20; Title: Author(s): Harvey G. Lehtman/HGL;
Distribution: Diane S. Kaye/DSK; Sub-Collections: SRI-ARC; Clerk: HGL;