Request for Documentation on RFC Submission

Mike -- Given that we are going to continue to encourage development and use of a DSS, there appears to be a need for a short scenario on use of the NIC Journal to distribute RFC's. I have just received a request from Mike Young for instruction on this, and as he says, this is not the first time he has gotten this information. I can refer him to the Number section of the User Guide for information on obtaining an RFC number and to the Journal section for information on submitting his text, but this does not seem adequate. Trying to tell him specifically not only seems difficult but seems unsatisfactory in terms of meeting the general need. At this time I will tell him to let us know the file and we will handle it if he wishes to do that. This note is to request consideration of allocating time of a staffer to prepare a scenario which we can announce and distribute. -- Jeanne 1

17713 Distribution
Michael D. Kudlick, Richard W. Watson, Marcia Lynn Keeney,

Request for Documentation on RFC Submission

(J17713) 9-JUL-73 10:06; Title: Author(s): Jeanne B. North/JBN;
Distribution: /MDK RWW MLK; Sub-Collections: SRI-ARC; Clerk: JBN;

**-73 11:04 17714

ddddd

17714 Distribution
N. Dean Meyer,

**04 17714

(J17714) 9-JUL-73 11:04; Author(s): N. Dean Meyer/NDM ;
Distribution: /NDM ; Sub-Collections: SRI-ARC; Clerk: NDM; .SNF=HIRM;

'PROFUSIONCY' Exercise

We would like you to do some specific things with the following information to see how efficiently you operate in the AHI system. I hope the instructions are sufficiently clear so you will have no difficulty in understanding what you are to do. 1

This exercise was generated on the execuport terminal. There are no correct answers to any of the questions, but we do want to get your general feelings. Try and work as rapidly as is comfortable for you. If you have time interruptions please note them. 2

time started: 11:40 2a

I have been using the AHI system for 21 months. 2a1

When I am writing or editing a manuscript I feel very comfortable with the AHI language. 2a2

X strongly agree --agree --neutral --disagree --strongly disagree. 2a2a

Why? 2a2b

I find it easy to make substitutions or corrections to the original text using just a few of the editing commands. 2a2b1

The AHI system is helpful in my everyday work. 2a3

--strongly agree X agree --neutral --disagree --strongly disagree. 2a3a

time completed: 1:51 2b

Interruptions: 2b1

There were approximately 8 minutes of interruptions during my first work session, followed by a lunch break from when I signed off at 12:05 until I came back on at 1:31. 2b1a

17715 Distribution
James H. Bair,

'PROFUSIONCY' Exercise

(J17715) 9-JUL-73 11:04; Title: Author(s): Joel P. Cavano/JPC;
Distribution: /JHB; Sub-Collections: RADC; Clerk: JPC;
Origin: <CAVANO>EXERCISE.NLS;2, 9-JUL-73 10:46 JPC ;

**-73 11:11 17716

text of test message

17716 Distribution
N. Dean Meyer,

**11 17716

(J17716) 9-JUL-73 11:11; Author(s): N. Dean Meyer/NDM ;
Distribution: /NDM ; Sub-Collections: SRI-ARC; Clerk: NDM; .SNF=HIRM;

**-73 11:14 17717

Date: 9-JUL-73 1054-PDT

From: MEYER at SRI-ARC

- - - -

ddddd

17717 Distribution
N. Dean Meyer,

**14 17717

(J17717) 9-JUL-73 11:14; Author(s): N. Dean Meyer/NDM ;
Distribution: /NDM ; Sub-Collections: SRI-ARC; Clerk: NDM; .SNF=HIRM;

**-73 11:20 17718

test of ftp

17718 Distribution
N. Dean Meyer,

**20 17718

(J17718) 9-JUL-73 11:20; Author(s): N. Dean Meyer/NDM ;
Distribution: /NDM ; Sub-Collections: SRI-ARC; Clerk: NDM; .SNF=HIRM;

JUN 24-30, 1973: A WEEK IN REVIEW

WEEKLY ANALYSIS REPORT:

WEEK: JUN 24 - 30, 1973 (24 HOURS/DAY)

TOTAL SYSTEM CPU: 49.430

(ARC)

IDENT	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU:1
(STAFF)					
(DCE)	.147	12.270	.012	.297	83.469
(SRL)	.211	18.036	.012	.427	85.479
(NDM)	1.206	51.459	.023	2.440	42.669
(JCN)	.858	16.685	.051	1.736	19.446
(DVN)	.806	16.249	.050	1.631	20.160
(PR)	.466	18.761	.025	.943	40.260
(RWW)	.019	.773	.025	.038	40.684
	-----	-----		-----	
(TOTAL)	3.713	134.233		7.512	
(PSO)					
(KFB)	.072	7.882	.009	.146	109.472
(BAH)	.942	25.026	.038	1.906	26.567
(MEJ)	.482	37.321	.013	.975	77.429
(KIRK)	1.708	45.527	.038	3.455	26.655

	-----	-----		-----		6a4e
(TOTAL)	3.204	115.756		6.482		6a4f
						6a4g
(NIC)						6a5
(JDC)	.004	.064	.062	.008	16.000	6a5a
(EJF)	.325	10.606	.031	.657	32.634	6a5b
(CBG)	.011	1.158	.009	.022	105.273	6a5c
(MDK)	.330	8.747	.038	.668	26.506	6a5d
(MLK)	.247	15.244	.016	.500	61.717	6a5e
(JBN)	.274	16.072	.017	.554	58.657	6a5f
	-----	-----		-----		6a5g
(TOTAL)	.862	41.221		1.744		6a5h
						6a5i
(HARDWARE)						6a6
(MEH)	.109	17.176	.006	.221	157.578	6a6a
(JR)	.003	.506	.006	.006	168.667	6a6b
	-----	-----		-----		6a6c
(TOTAL)	.112	17.682		.227		6a6d
						6a6e
(TENEX)						6a7
(DIA)	.431	15.057	.029	.872	34.935	6a7a
(KEV)	.841	17.543	.048	1.701	20.860	6a7b
(DCW)	.017	1.059	.016	.034	62.294	6a7c
	-----	-----		-----		6a7d
(TOTAL)	1.289	33.659		2.607		6a7e

6a7f

(NLS) 6a8

(CFD)	-	-	-	-	-	6a8a
(JDH)	.406	15.732	.026	.821	38.872	6a8b
(CHI)	2.929	25.826	.113	5.926	8.817	6a8c
(DSK)	1.176	27.804	.042	2.379	23.643	6a8d
(HGL)	1.213	30.874	.039	2.454	25.453	6a8e
(EKM)	.454	15.500	.029	.918	34.141	6a8f
(JEW)	.563	63.961	.009	1.139	113.607	6a8g
	-----	-----		-----		6a8h
(TOTAL)	6.741	179.747		13.637		6a8i

6a8j

(GROUP) TOTALS 6b

GROUP	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU	
						6b1
						6b2
(STAFF)	3.713	134.233	.028	7.512	36.152	6b3
(PSO)	3.204	115.756	.028	6.482	36.129	6b4
(NIC)	2.319	51.891	.045	4.691	22.376	6b5
(HARDWARE)	.112	17.682	.006	.227	157.875	6b6
(TENEX)	1.289	33.659	.038	2.608	26.112	6b7
(NLS)	6.741	179.747	.038	13.637	26.665	6b8
	-----	------		-----		6b9
(TOT)	17.378	532.968		35.157		6b10

6b11

(STATS) 6c

JUN 24-30, 1973: A WEEK IN REVIEW

HIGHEST CPU: KIRK 1.708 hrs LOWEST CPU: JR .003 hrs 6c1

HIGHEST CON: JEW 63.961 hrs LOWEST CON: JDC .064 hrs 6c2

HIGHEST CPU/CON: JDC .062 HIGHEST CON/CPU:1: JR 168.667 6c3

6c4

(OVERHEAD) 6d

(JCP)	1.613	39.238	.041	3.263	24.326	6d1
BACKGROUND	2.982	133.145	.022	6.033	44.650	6d2
CAT	9.116	17.123	.532	18.442	1.878	6d3
DOCUMENTATION	.006	.072	.083	.012	12.000	6d4
NETINFO	.271	8.888	.030	.548	32.797	6d5
OPERATOR	.658	20.241	.033	1.331	30.761	6d6
SYSTEM	7.301	215.264	.034	14.770	29.484	6d7
	-----	-----		-----		6d8
(TOTAL)	21.947	433.971		44.399		6d9

6d10

(XEROX) 6e

6e1

NAME	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU:1	
						6e2
						6e3
(DDC)COWAN	.333	.551	.604	.674	1.655	6e4
(LPD)DEUTSCH	.073	1.243	.059	.148	17.027	6e5
(CMG)GESCHKE	3.889	.744	5.227	7.868	.191	6e6
(JGM)MITCHELL	.111	11.826	.009	.225	106.541	6e7
(EHS)SAT-WTE	.466	13.440	.035	.943	28.841	6e8
(RES)SWEET	.106	3.646	.029	.214	34.396	6e9

JUN 24-30, 1973: A WEEK IN REVIEW

	-----	-----		-----		6e10
(TOTAL)	4.978	31.450		10.072		6e11
						6e12
(RADC)						6f
						6f1
NAME	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU:1	DIR 6f2
						6f3
BAIR	.266	12.979	.020	.538	48.793	223 6f4
BERGSTRM	-	-	-	-	-	16 6f5
BETHKE	.043	3.279	.013	.087	76.256	54 6f6
CAVANO	.137	8.000	.017	.277	58.394	109 6f7
IUORNO	.017	1.618	.011	.034	95.176	34 6f8
KENNEDY	.212	13.178	.016	.429	62.160	36 6f9
LAMONICA	.242	12.013	.020	.490	49.640	86 6f10
LAWRENCE	-	-	-	-	-	44 6f11
MCNAMARA	-	-	-	-	-	121 6f12
PANARA	.125	7.068	.018	.253	56.544	112 6f13
RADC	.074	5.901	.013	.150	79.743	90 6f14
RZEPKA	-	-	-	-	-	39 6f15
SLIWA	.015	1.103	.014	.030	73.533	19 6f16
STONE	.239	12.931	.018	.484	54.105	300 6f17
THAYER	.001	.012	.083	.002	12.000	4 6f18
TOMAINI	.270	15.215	.018	.546	56.352	31 6f19
	-----	-----		-----		----- 6f20
(TOTAL)	1.641	93.297		3.320		1318.000 6f21

(PER CENT TOTAL DISK CAPACITY) 2.706% 6f22

6f23

(NETUSERS) TOP FIVE 6g

6g1

NAME	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU:1	6g2
						6g3
ILLINOIS	.573	52.923	.011	1.159	92.361	6g4
UCLA-NMC	.392	18.408	.021	.793	46.959	6g5
MITRE-TIP	.373	21.641	.017	.765	57.251	6g6
NBS-TIP	.266	12.862	.021	.538	48.353	6g7
UCSB	.256	11.946	.021	.518	46.664	6g8
	-----	-----		-----		6g9
(TOTAL)	1.865	117.780		3.773		6g10

6g11

(NET) TOTAL	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU:1	6h
						6h1
NET	3.232	207.543	.016	6.539	64.215	6h2

6h3

7

17719 Distribution

Susan R. Lee, Beauregard A. Hardeman, Douglas C. Engelbart, Don I. Andrews, Marilyn F. Auerbach, Walt Bass, Charles F. Dornbush, Elizabeth J. (Jake) Feinler, Martin E. Hardy, J. D. Hopper, Charles H. Irby, Mil E. Jernigan, Diane S. Kaye, Kirk E. Kelley, Michael D. Kudlick, Elizabeth K. Michael, Jeanne B. North, James C. Norton, Jeffrey C. Peters, Paul Rech, Dirk H. Van Nouhuys, Kenneth E. (Ken) Victor, Donald C. (Smokey) Wallace, Richard W. Watson, James E. (Jim) White, Duane L. Stone, Thomas F. Lawrence, James H. Bair, L. Peter Deutsch, James G. Mitchell,

JUN 24-30, 1973: A WEEK IN REVIEW

(J17719) 9-JUL-73 11:48; Title: Author(s): Beauregard A. Hardeman/BAH; Distribution: /WAR; Sub-Collections: SRI-ARC WAR; Clerk: BAH;

**-73 11:56 17720

Date: 9-JUL-73 1152-PDT

From: MEYER at SRI-ARC

Re: test of ftp via sndmsg

- - - -

text of test

17720 Distribution
N. Dean Meyer,

**56 17720

(J17720) 9-JUL-73 11:56; Author(s): N. Dean Meyer/NDM ;
Distribution: /NDM ; Sub-Collections: SRI-ARC; Clerk: NDM; .SNF=HIRM;

**-73 12:13 17722

text of test

17722 Distribution
N. Dean Meyer,

**13 17722

(J17722) 9-JUL-73 12:13; Author(s): N. Dean Meyer/NDM ;
Distribution: /NDM ; Sub-Collections: SRI-ARC; Clerk: NDM; .SNF=HIRM;

17724

testing network journal delivery

17724 Distribution
Chuck S. Kline,

**51 17724

(J17724) 9-JUL-73 12:51; Author(s): Chuck S. Kline/CSK;
Distribution: /CSK; Sub-Collections: NIC; Clerk: CSK;

RMS 9-JUL-73 17:04 17725

Updates to NCP

Howdy Sport,
I happened to be talking to Mark K. today and he mentioned that there exists no arrangement to send you updates we make to our NCP. If some kind of arrangement is of interest to you, let me know and we'll work something out. For instance, we've added standard host names and a few other bells and whistles since we sent you the source code. How's the NCP working out for you?. SDC (Ken Brandon) is thinking of a similar approach. I told them to get in touch with you to find out what kind of hassles to expect. I haven't seen nor heard much of you lately. What have you been doing to keep out of trouble?

-- Ron

1

17725 Distribution
Eric F. Harslem,

RMS 9-JUL-73 17:04 17725

Updates to NCP

(J17725) 9-JUL-73 17:04; Title: Author(s): Ronald M. Stoughton/RMS;
Distribution: /EFH; Sub-Collections: NIC; Clerk: RMS;

17726

What are the L10 mechanisms for sensing/creating statement levels and other "hidden" information, such as statement modifier's ident, etc.? 1

17726 Distribution
N. Dean Meyer,

**37 17726

(J17726) 9-JUL-73 13:37; Author(s): David H. Crocker/DHC;
Distribution: /NDM; Sub-Collections: NIC; Clerk: DHC;

More on NIC-PSO

In reply to Jeanne North's memo, (KJOURNAL, 17690,). the following is a further explanation and discussion of the memo on NIC-PSO (17156,). 1

Eliminating Associate Mailings 2

Eliminating associate mailings would have several affects. It would lower the distribution for "Standard Mailings" by about 40 and would therefore reduce the xeroxing work load. There would also be 40 less envelopes to mail per week which would reduce the postage as well as the time spent enveloping. As many of the associates live in foreign countries, the postage would be quite a bit less. 2a

NIC-PSO Time Summary 3

In person communications are a mix of: 3a

Communications with NIC and ARC staff 3a1

Communications with people from SRI who drop by with questions 3a2

Communications with people at Report Services 3a3

System communications include time spent doing sendmessages or journal items to answer questions which have come in over the net. 3b

The estimates were independently made by Marcia Keeney and also by Susan Lee before the study and were presented for comparison with the actual results. The definitions were the same for estimates and actual data. 3c

Functional documents were separated from "Document Preparation" because they accounted for a large amount of time and it was felt that they presented a different type of work in that they occurred sporadically rather than regularly. The "Document Preparation" times represent a fairly stable estimate of time needed every week, while the "Functional Document" times may indeed vary considerably from the times reported for those three weeks. Time spent working on functional documents for these three weeks was divided as follows: 3d

Collating 52% 3d1

Proofing 39% 3d2

Communications 9% 3d3

Changes in mailing lists would be included in time spent in Identfile as well as some creation. 3e

An answer to a request for a document typically involves all or some of the following: creation, pulling, xeroxing, enveloping and possibly some form of communication. A rough estimate would be that miscellaneous requests for documents account for a large percentage of "creation" and "pulling and filing". 3f

The time reported as Journal is the time spent preparing Journal output for mailing as well as putting master and access in order and filing them in their respective binders. 3g

Xerox Costs 4

I really have no factual basis for describing how the manpower needs changed when a larger number of copies were made. My guess is that no more time was spent xeroxing than was spent collating copies made at the copy center. I also feel that the elapsed time between a documents arrival and mailing was improved. Since there is no data for the time spent xeroxing and collating before the expanded xeroxing began, any exact comparison is difficult. 4a

Other Costs 5

COM development is charged to the NIC because it was felt that the NIC would be the prime user of the service. 5a

The expenses reported were the actual amounts paid per month. It was felt that the note associated with September's charges was sufficient to explain the high charge and prevent its being taken out of context. 5b

Number of Journal Items 6

Figures on the distribution of Journal items are available, but not on the average number of pages. Since work on the journal accounted for only 4% of the NIC-PSO time, I don't feel that a more in-depth study of time required for preparing the journal for mailing is needed at this time. 6a

However, I intend to do a study of Journal activity this week in order to determine who the network users are. Any comments as to what groups of people should be considered are welcome. Already suggested is a division by author in three main groups: university resource sharing researchers (essentially on-line sites), special interest groups, and new or potential network users (this would include associates as well as probably many others). 6b

17727 Distribution
Michael D. Kudlick, Jeanne B. North, Richard W. Watson, Paul Rech,

More on NIC-PSO

(J17727) 9-JUL-73 14:25; Title: Author(s): Susan R. Lee/SRL;
Distribution: /MDK JBN RWW PR; Sub-Collections: SRI-ARC; Clerk: SRL;
Origin: <LEE>MEMO.NLS;2, 9-JUL-73 14:22 SRL ;

response to fractured message

I don't think I got the whole message. Would you repeat it for me?
pickens

1

17729 Distribution
Jean Iseli,

response to fractured message

(J17729) 9-JUL-73 16:26; Title: Author(s): John R. Pickens/JRP;
Distribution: /JI; Sub-Collections: NIC; Clerk: JRP;

Address specification

Addresses for Text are additive (.1 2w should give me the first three words of statement 1).

It would be nice to also have this for any double-address command (Transpose, especially) 1

17730 Distribution
Nps Np, Richard W. Watson, Charles H. Irby,

Address specification

(J17730) 9-JUL-73 17:37; Title: Author(s): David H. Crocker/DHC;
Distribution: /NP; Sub-Collections: NIC NP; Clerk: DHC;

DCE 9-JUL-73 17:40 17731

Visit Log: 9 Jul 73, Paul Gray, Quantitative Business Analysis Department, School of Business, USC

Visit Log: 9 Jul 73, Paul Gray, Quantitative Business Analysis Department, School of Business, USC

Paul Gray,
Assoicate Profesor of Quantitative Analysis,
School of Business Administration,
University of Southern California, Los Angeles, California 90007
(213) 746-2446 1

He also is associated wih the Center For Future Research at USC, headed by Olaf Elmer (?), also in the School of Business 1a

Gray works with Bert Nanus, also on the staff in the Business School, with whom DCE had been previously acquainted (talked to him at NCC in New York last month). Bert gave Gray a copy of our Augmented Knowledge Workshop NCC paper to steer him our way in Gray's current project. 2

Gray's current project: Telecommunication-Transportation Tradeoff, funded by NSF. Objective is to look at telecommunication policy; aiming toward setting up a "telecommunication-policy research center" that would become self sustaining. Two parts to project: 3

Look at CURRENT tradeoff; Educational TV (where special programming is used to provide college-course credits) is an on-going practice, where telecommunication is being used instead of communication. A question now being investigated is, "when/why do people taking such a course anyway come to the campus?" 3a

Regarding the FUTURE mode of operation: Consider a specific company (e.g. a given life-insurance company). Suppose they reorganize, using centralized computer support, to have the main body of clerical workers working in "store-front" locations, distributed out in local communities, where the workers assemble in smaller groups. For such a specific instance, what are the tradeoffs? What are the human factors that must be considered? The study will be done in direct collaboration with at least one comppany in the Los Angeles area (Prudential) that expresses explicit interest in considering such a move anyway. 3b

Gray talked first with Paul Rech for about half an hour, and then for a similar period with DCE. 4

We discussed briefly the nature of our Workshop Utility, and its potential suitability for an organization such as he might be working with in his study (second part of project, above), that could buy into the Utility as a way of getting some actual experience associated with such a study. 5

DCE outlined the general notion of exploratory-application

Visit Log: 9 Jul 73, Paul Gray, Quantitative Business Analysis Department, School of Business, USC

clients, their internal architects, and the services we aimed to provide for bootstrapping a Community of Workshop Architects. 5a

Gray will contact Mil Jernigan in the future for some direct access to documents in or linked from our XDOC collection. 6

He will consider using ARPANET communication, via USC-ISI, to carry on further dialogue. 7

We should keep in touch with him regarding the KW Utility clientele that might evolve. 8

We gave him: 9

(12445) Douglas C. Engelbart. COORDINATED INFORMATION SERVICES for a DISCIPLINE- OR MISSION-ORIENTED COMMUNITY. 12-DEC-72. 9a

(14724) Douglas C. Engelbart, Richard W. Watson, James C. Norton. The Augmented Knowledge Workshop. 1-MAR-73. 9b

Address for Don Atkinson, Bell Northern Research, in whose group a fair amount of work and publishing has been done in areas related to this project. 9c

17731 Distribution

Richard W. Watson, James C. Norton, Paul Rech, Bonnar Cox, David R. Brown, Mil E. Jernigan,

DCE 9-JUL-73 17:40 17731

Visit Log: 9 Jul 73, Paul Gray, Quantitative Business Analysis Department, School of Business, USC

(J17731) 9-JUL-73 17:40; Title: Author(s): Douglas C. Engelbart/DCE ; Distribution: /rww jcn pr bc drb mej ; Sub-Collections: SRI-ARC; Clerk: DCE pr ;

Response to M.S. Cole, University of London

Stanford Research Institute
Augmentation Research Center
333 Ravenswood Avenue
Menlo Park, California 94025

Mr. M.S. Cole
Department of Computer Science and Statistics
Queen Mary College
University of London
Mile End Road
London E1 4NS
England

Dear Mr. Cole:

Dr. Engelbart has instructed me to answer your letter of 27 June 1973. 1

The "Control Meta Language" described in the FJCC 1968 paper is not in use in the current implementation of our system. Its functions had been incorporated into the L10 programming language, an ALGOL-like language whose compiler was written in our Tree-Meta compiler-compiler system. The CML code was integrated into the code for the rest of the system when NLS was tranferred to the PDP-10 computer. 2

I have enclosed brief descriptions of the syntax of L10 and copies of our most recent reports. 3

Recently, members our group, Charles Irby and Charles Dornbush, have resurrected the notion of a CML. I have therefore also enclosed a copy of their initial proposal. It has not been implemented and is still in initial design stages. 4

Additional work is being carried out to revise the user command language of NLS and, in collaboration with people at the Xerox Palo Alto Research Center, to develop a Modular Programming System and Modular Programming Language. We plan to rewrite the NLS system in MPL within the next year. Hopefully, before that time the CML command interface will be implemented. 5

Response to M.S. Cole, University of London

I hope the material enclosed will be of use to you. 6

Sincerely,

Harvey G. Lehtman
Systems Programmer
Augmentation Research Center

17732 Distribution
Douglas C. Engelbart, Richard W. Watson, Charles H. Irby,

Response to M.S. Cole, University of London

(J17732) 11-JUL-73 13:48; Title: Author(s): Harvey G. Lehtman/HGL;
Distribution: /DCE RWW CHI; Sub-Collections: SRI-ARC; Clerk: HGL;
Origin: <LEHTMAN>ANSWER.NLS;1, 11-JUL-73 11:07 HGL ;

MDK 10-JUL-73 08:22 17733

Need for a <MAIL> directory.

Jim: Last month when I was in Boston, I went over our needs fo a Tenex <MAIL> directory with Ted Strollo, who promised to do something about it. This Journal item was sent to Ted today (10-July) as a reminder that we hadn't heard from him.

MDK 10-JUL-73 08:22 17733

Need for a <MAIL> directory.

Ted ... 1

I wonder what the BBN consensus has been, regarding my request to you for a Tenex <MAIL> directory. As you will recall, our main "sndmsg" problem has been the overhead for directory space required by everyone who wants "sndmsg" mail delivered here. This is especially critical at the NIC, but undoubtedly others like ISI have similar problems. 2

The solution we had discussed was to have a single directory <MAIL>, comprised only of files of the same form as "message.txt" files, but with the names (USER)MESSAGE.TXT, one for each different "USER". 3

Sndmsg would deliver mail to the appropriate (USER)MESSAGE.TXT file (if any), if there were no other directory with the given user name. Each Tenex site could determine those users for whom there would be allocated a file named (USER)MESSAGE.TXT in <MAIL>. 4

As we discussed, the main requirement that Tenex doesn't presently provide for, is that each (USER)MESSAGE.TXT file must be private to that USER, so that (as at present) no one but USER could read USER's "message.txt" file. 5

I'd sure appreciate hearing from you to know what the BBN plans are in this regard. 6

... Mike Kudlick 7

Need for a <MAIL> directory.

(J17733) 10-JUL-73 08:22; Title: Author(s): Michael D. Kudlick/MDK;
Distribution: /JEW; Sub-Collections: SRI-ARC; Clerk: MDK;
Origin: <KUDLICK>TED.NLS;3, 10-JUL-73 08:17 MDK ;

17733 Distribution
James E. (Jim) White,

MLK 11-JUL-73 11:45 17736

Xerox Machine Will Be Down Friday

The Xerox machine in the NIC room is being serviced and overhauled this Friday morning. It will take about 3 hours, so plan to do your Xeroxing before or after. Marcia.

1

MLK 11-JUL-73 11:45 17736

Xerox Machine Will Be Down Friday

(J17736) 11-JUL-73 11:45; Title: Author(s): Marcia Lynn Keeney/MLK;
Distribution: /SRI-ARC; Sub-Collections: SRI-ARC; Clerk: MLK;

NLS CALCULATOR IS UP

The NLS Calculator is now up and running. It adds calculation abilities to SRI-ARC's NLS information system. Documentation is available as follows:

On-Line:
TNLS (userguides,calculator-tnls,1)
DNLS (userguides,calculator-dnls,1)
Off-Line: copies available from Marcia Keeney
TNLS (17419,)
DNLS (17418,)

1

17737 Distribution

Janet W. Troxel, Connie D. Rosewall, Linda M. Webster, Anita L. Coley, Carol J. Mostrom, Duane L. Stone, James H. Bair, John S. Perry, David H. Crocker, Gary L. Bockweg, Paula Kazanjian, Paul R. Johnson,
Travis L. Greening, Robert Silberski, Marcia Lynn Keeney, Diane M. MacNeil, W. A. Martin, Margaret A. (Maggie) Bassett, J. A. Smith, Leina M. Boone, Diana L. Jones, Nancy J. Neigus, Terry Sack, Frances A. (Toni) McHale, Lucille C. (Lucy) Gilliard, Ed J. Collins, Gary Blunck, John F. Heafner, Kathy Beaman, David J. King, C. Jane Moody, Sue Pitkin, Jerry Fitzsimmons, Gregory P. Hicks, Gloria Jean Maxey, Roberta J. Peeler, Craig Fields, Ermalee R. McCauley, Margaret Iwamoto, Dee Larson, Robert E. Doane, Brenda Monroe, Jeanne B. North, Pam J. Klotz Cutler, Barbara Barnett, Stan Golding, Steve G. Chipman, John P. Barden, Martha A. Ginsberg, Shirley W. Watkins
Thomas O'Sullivan, Sol F. Seroussi, Scott Bradner, Robert H. Thomas, John C. Thomas, Michael J. Romanelli, Ronald M. Stoughton, A. D. (Buz) Owen, Robert L. Fink, Jaacov Meir, Jeanne B. North, Steve D. Crocker, Thomas F. Lawrence, John W. McConnell, James E. (Jim) White, A. Wayne Hathaway, Patrick W. Foulk, Richard A. Winter, Harold R. Van Zoeren, Alex A. McKenzie, Joel M. Winett, Abhay K. Bhushan, Thomas N. Pyke, B. Michael Wilber, Edward A. Feigenbaum, Robert T. Braden, James M. Pepin, Barry D. Wessler, John T. Melvin, Jackie A. Priest, Terence E. Devine, Paul M. Rubin, Paula L. Cotter, O. A. Hansen, H. A. Thompson, Dan Dechatelets, Nancy C. Thies
Donald C. (Smokey) Wallace, Richard W. Watson, Don I. Andrews, Terence E. Devine, David J. King, William L. Andrews, Milton H. Reese, Kenneth M. Brandon, Lou C. Nelson, Jeffrey P. Golden, Richard B. Neely, Dan Odom, Ralph E. Gorin, Robert G. Merryman, P. Tveitane, Adrian V. Stokes, David L. Retz, Reg E. Martin, Gene Leichner, Jean Iseli, James E. (JED) Donnelley, William Kantrowitz, Michael S. Wolfberg, Yeshiah S. Feinroth, James Hurt, Anthony C. Hearn, Eric F. Harslem, Robert M. (Bob) Metcalfe, Bradley A. Reussow, Daniel L. Kadunce, George N. Petregal, Michael B. Young, Michael A. Padlipsky, Schuyler Stevenson, L. Peter Deutsch, John Davidson
Rodney A. Bondurant, Jeanne M. Beck, Mark Alexander Beach, Judy D. Cooke, Marcia Lynn Keeney, Carol B. Guilbault, Susan R. Lee, Elizabeth K. Michael, Charles F. Dornbush, Elizabeth J. (Jake) Feinler, Kirk E. Kelley, N. Dean Meyer, Kay F. Byrd, James E. (Jim) White, Diane S. Kaye, Paul Rech, Michael D. Kudlick, 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, William H. Paxton, Jeffrey C. Peters, Jake Ratliff, Edwin K. Van De Riet, Dirk H. Van Nouhuys, Kenneth E. (Ken) Victor

NLS CALCULATOR IS UP

(J17737) 11-JUL-73 11:55; Title: Author(s): Stanford Research Institute /&SRI-ARC; Distribution: /SRI-ARC NLG NSAG DLS JHB JSP DHC GLB PK2 PRJ; Sub-Collections: SRI-ARC NLG NSAG; Clerk: NDM;

Marcia,
The two documents below should be self-explanatory in their interaction. I have no other "mailbox". 1

MLK 9-JUL-73 09:05 17701
More Information
Message: I need to know your "Local Network Mailbox" address and "host" for the identfile. Can you send me this information? Either through the journal or send message -- I'm Keeney@SRI-ARC. Thank you. Marcia Keeney. 1a

AAM 5-JUL-73 07:57 17639
An account for Alex McKenzie at SRI-ARC

Message: Mike,
As I mentioned previously, I would really like to have my ouw account at SRI so that I could receive "Sendmessage" mail there. I know that you told me that some solution was in the works, but I've forgotten what it was or when it was supposed to happen. Could you please remind me?
Regards,
Alex McKenzie

*****Note: Author Copy***** 1b

17738 Distribution
Marcia Lynn Keeney,

(J17738) 11-JUL-73 12:26; Title: Author(s): Alex A. McKenzie/AAM;
Distribution: /MLK; Sub-Collections: NIC; Clerk: AAM;

DHC 11-JUL-73 12:49 17739

RCTE Query

Hi Alex, what is the status of the RCTE Telnet Option?

--Dave

1

17739 Distribution
Alex A. McKenzie,

RCTE Query

(J17739) 11-JUL-73 12:49; Title: Author(s): David H. Crocker/DHC;
Distribution: /AAM; Sub-Collections: NIC; Clerk: DHC;

DHC 11-JUL-73 12:53 17741

Journal Messages lost

I am finding that a number of Journal messages sent to me are getting lost. This is discovered when I receive a hard copy, without having received an online copy. Jeanne North also indicated she sent me some Journal mail, of which I received no copies. 1

17741 Distribution

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

DHC 11-JUL-73 12:53 17741

Journal Messages lost

(J17741) 11-JUL-73 12:53; Title: Author(s): David H. Crocker/DHC;
Distribution: /BUGS; Sub-Collections: NIC BUGS; Clerk: DHC;

re: Carriage Control Problems

1

To MERIT Design File 1a

From Jon Postel 1b

Date 11July 73 1c

Subject Carriage Control Problems 1d

The discussion of carriage control problems in ND-73-252 prompts me to send in the following comments. 2

I am inclined to think that defining "Imbedded and terminating CR or LF characters produce undefined output at a terminal." is going to lead to great confusion for both users and systems programmers trying to debug programs. I would suggest either: 2a

CR returns to beginning of current line and
LF spaces one line, or 2a1

CR and LF do nothing, cause no action, take no space. 2a2

Also since some terminals can properly respond to the character formfeed (FF) it might be useful to permit the action for carriage control = 1 to be CR, FF. 2b

Finally since you are defining a Standard Network Terminal it could be useful to look into the ARPANET specification of it's Network Virtual Terminal [NIC# 15372]. 2c

17744 Distribution
MERIT Computer Network ,

JBP 11-JUL-73 14:18 17744

re: Carriage Control Problems

(J17744) 11-JUL-73 14:18; Title: Author(s): Jonathan B. Postel/JBP;
Distribution: /MERIT; Sub-Collections: NIC MERIT; Clerk: JBP;

L10 Program to Tabulate Modes of Journal Delivery

Execute. Will list number of individuals receiving each combination of modes of Journal Delivery.

L10 Program to Tabulate Modes of Journal Delivery

```
PROGRAM jdelcnt % L10 <meyer>jdelcnt %                                  1

   % Checks individuals branch of IDENT file and determines mode of
   journal delivery for all idents, listing tabulations when done. %    1a

   (jdelcnt) PROCEDURE ;                                                1b

      % declarations %                                                  1b1

         LOCAL online, offline, net, onoff, onnet, offnet, all,
         retval, comb, stid;                                           1b1a

         LOCAL STRING disp[2000] ;                                     1b1b

         online ← offline ← net ← onoff ← onnet ← offnet ← all ← comb
         ← retval ← stid ← disp.L ← 0;                                 1b1c

      % feedback to user %                                             1b2

         IF nlmode=typewriter THEN                                     1b2a

            BEGIN                                                      1b2a1

            crlf( );                                                   1b2a2

            typeas($"Tabulate Journal delivery modes for
            Individuals");                                             1b2a3

            crlf( );                                                   1b2a4

            typeas($"Go? ");                                           1b2a5

            END                                                        1b2a6

         ELSE % display %                                              1b2b

            BEGIN                                                      1b2b1

            dismes(0);                                                 1b2b2

            af( );                                                     1b2b3

            DSP (< Tabulate Journal delivery modes);                   1b2b4

            dn($" for Individuals -- Go?");                            1b2b5

            END;                                                       1b2b6

         IF NOT answer( ) THEN RETURN;                                 1b2c
```

```
    IF nlmode=fulldisplay THEN dn($"s for Individuals");                1b2d
    dismes (1, $"opening IDENT file") ;                                 1b2e
% open ident file %                                                      1b3
    ON SIGNAL ELSE                                                      1b3a
       BEGIN                                                            1b3a1
       dismes (2,$"Couldn't open IDENT file");                          1b3a2
       RETURN;                                                          1b3a3
       END;                                                             1b3a4
    stid ← orgstid ;                                                    1b3b
    stid.stfile ← open [0, jflname($"identfile")) ;                     1b3c
    ON SIGNAL ELSE;                                                     1b3d
% get to individuals branch %                                           1b4
    IF (stid ← namelook(stid, $"'individuals'") ) = endfil OR
    (stid := getsub(stid) ) = stid THEN                                 1b4a
       BEGIN                                                            1b4a1
       dismes (2, $"no individuals branch in IDENT file");              1b4a2
       RETURN;                                                          1b4a3
       END;                                                             1b4a4
% for each last name: %                                                 1b5
    dismes (1, $"tabulating -- ↑S to abort") ;                          1b5a
    inpstp ← 0;                                                         1b5b
    LOOP                                                                1b5c
       BEGIN                                                            1b5c1
       %check for control-S%                                            1b5c2
          IF inpstp THEN                                                1b5c2a
```

```
            BEGIN                                                    1b5c2a1
            dismes (1, $"Tabulation aborted") ;                      1b5c2a2
            EXIT LOOP ;                                              1b5c2a3
            END;                                                     1b5c2a4
         %process idents in last name plex%                          1b5c3
         IF (stid := getsub(stid)) # stid THEN                       1b5c3a
            LOOP                                                     1b5c3a1
               BEGIN                                                 1b5c3a1a
               retval ← ldelivery(stid);                             1b5c3a1b
               %tabulate%                                            1b5c3a1c
                  comb ← retval.delol + retval.delhc +
                  retval.delnet ;                                    1b5c3a1c1
                  CASE comb OF                                       1b5c3a1c2
                     =1:                                             1b5c3a1c2a
                        BEGIN                                        1b5c3a1c2a1
                           online  ← online + retval.delol ;
                                                                     1b5c3a1c2a1a
                           offline ← offline + retval.delhc ;
                                                                     1b5c3a1c2a1b
                           net     ← net + retval.delnet ;
                                                                     1b5c3a1c2a1c
                        END;                                         1b5c3a1c2a2
                     =2:                                             1b5c3a1c2b
                        BEGIN                                        1b5c3a1c2b1
                        onoff ← onoff + ( retval.delol .A
                        retval.delhc ) ;                             1b5c3a1c2b2
                        onnet ← onnet + ( retval.delol .A
                        retval.delnet ) ;                            1b5c3a1c2b3
                        offnet ← offnet + ( retval.delhc .A
                        retval.delnet ) ;                            1b5c3a1c2b4
```

```
                        END;                                    1b5c3a1c2b5
                      =3:                                       1b5c3a1c2c
                        all ← all + 1 ;                         1b5c3a1c2c1
                      ENDCASE;                                  1b5c3a1c2d
                  IF getftl(stid) THEN                          1b5c3a1d
                    BEGIN                                       1b5c3a1d1
                    stid ← getsuc(stid);                        1b5c3a1d2
                    EXIT;                                       1b5c3a1d3
                    END;                                        1b5c3a1d4
                  stid ← getsuc(stid);                          1b5c3a1e
                  END;                                          1b5c3a1f
          %if last last name, exit%                             1b5c4
            IF getftl(stid) THEN EXIT LOOP;                     1b5c4a
          %get next last name%                                  1b5c5
            stid ← getsuc(stid) ;                               1b5c5a
          END;                                                  1b5c6
      % close ident file %                                      1b6
        close (stid.stfile);                                    1b6a
      % display results %                                       1b7
        dismes (0);                                             1b7a
        *disp* ← EOL, EOL, "On-Line  Delivery:  ", STRING(online),
        EOL, "Off-Line Delivery:  ", STRING(offline), EOL, "Network
        Delivery:  ", STRING(net), EOL, "On- and Off- Line:  ",
        STRING(onoff), EOL, "On-Line  and  Net:  ", STRING(onnet),
        EOL, "Off-Line  and Net:  ", STRING(offnet), EOL, "All types
        Delivery: ", STRING(all), EOL ;                         1b7b
        IF nlmode = typewriter THEN                             1b7c
```

```
            typeas( $disp)                                                  1b7c1
         ELSE %display%                                                     1b7d
            BEGIN                                                           1b7d1
            *disp* ← *disp*, EOL, "-- Type CA --", EOL ;                    1b7d2
            litdpy ($disp) ;                                                1b7d3
            CASE inpcuc() OF ENDCASE rstlit();                              1b7d4
            END;                                                            1b7d5
      RETURN;                                                               1b8
      END.                                                                  1b9
FINISH jdelcnt                                                              2
```

17746 Distribution

Jeanne B. North, Michael D. Kudlick, Charles H. Irby, Paul Rech, Susan R. Lee, James E. (Jim) White,

NDM 11-JUL-73 15:45 17746

L10 Program to Tabulate Modes of Journal Delivery

(J17746) 11-JUL-73 15:45; Title: Author(s): N. Dean Meyer/NDM;
Distribution: /JBN MDK CHI PR SRL JEW; Sub-Collections: SRI-ARC; Clerk:
NDM;
Origin: <MEYER>JDELCNT.NLS;5, 11-JUL-73 15:40 NDM ;

VGC 11-JUL-73 17:40 17747

New INWG members

Marcia, please add to INWG mailing list those people in my file entitled <su-ai>newinwg. thanks, vint

1

17747 Distribution
Marcia Lynn Keeney,

New INWG members

(J17747) 11-JUL-73 17:40; Title: Author(s): Vinton G. Cerf/VGC;
Distribution: /MLK; Sub-Collections: NIC; Clerk: VGC;

DHC 11-JUL-73 18:08 17748

IMNLS Frozen Statments refresh

Using IMNLS: Screen split horizontally, with Frozen statments showing on top part and doing editting of text shown on bottom half. The frozend statments get refreshed after every edit.

Is this intentional? 1

17748 Distribution
Diane S. Kaye, Harvey G. Lehtman, Charles H. Irby,

DHC 11-JUL-73 18:08 17748

IMNLS Frozen Statments refresh

(J17748) 11-JUL-73 18:08; Title: Author(s): David H. Crocker/DHC;
Distribution: /BUGS; Sub-Collections: NIC BUGS; Clerk: DHC;

**8 17749

John 1

As you may not know [did not have record of old message, so will responde anew], the interprocess demo. was developed by Jerry Powell who has gone to the Bureau of Customs. However, the following information may be useful to you - would suggest you contact individuals at the places where indicated [they do not all use NLS frequently - I do and would be glad to help as go-between.]: 1a

Dave Wood is employing the interprocess communication ncp user programs to conduct performance measurement experiments with UCLA-NMC. You might contact dave for particulars in care of sndmsg to mitre@case-10. 1a1

Susan Poh keeps the IC demo going - it is still working and you could easily obtain copies off the programs through her - unfortunately, they were never documented - susan has some partial documentation on-line and would freely give it to you. Contact susan as poh@usc-isi or as POH@bbn - she uses the NIC infrequently [will send her this note as a way of indicating your interest]. Incidentally, the user notebook will probably be sent to you soon - we experienced a typing bottleneck. 1a2

John, I took the liberty of answering EHF's mail since he is currently busy on another job and I thought your request was important. Incidentally, I mentioned you to Mike Kudlick at the NIC as a potential contributor to an experiment we would like to conduct in "Resource Sharing" which I am led to believe is an interest area of yours. If you would like a preview of what is intended, please read <help>mike.NLS;* at the NIC - otherwise, wait until Mike contacts you.

If we can be of further assistance, please do not hesitate to so indicate. In meantime, Regards,.....Jean 1b

17749 Distribution
John R. Pickens, Susan S. Poh,

**28 17749

(J17749) 11-JUL-73 19:28; Author(s): Jean Iseli/JI; Distribution:
/JRP SSP(for your information); Sub-Collections: NIC; Clerk: JI;

FIRST DRAFT: ARC Dull Writing

Background 1

Larry Robert's visit to ARC in April occasioned a flurry of thoughts and comments (references,) about the characteristically "dull" writing at ARC. Dick Watson asked Paul Rech and I to analyse the problem and come up with suggestions. 1a

Paul and I met twice on this subject. The meetings were very stimulating, but they ended because other work drew away most of my time and drew Paul away completely. Our meetings resulted directly in my rewriting two examples of dull ARC writing (appendix-I), in a list of the sources of difficulty which was the basis of the list (link,) below, and in the general outline of the suggestion for editorial review, but Paul is not responsible for this memo 1b

Since April, on the back burner I have continued to catagorize the problem and to think of what might help. This memo also includes thoughts that came to me when I firlst opned an ARC report (journal,10551,). 1c

Throughout this discussion I refer to writing to be read offline, by people possibly unfamiliar with NLS, certainly without access to viewspecs or links to the journal. 1d

Sources,
First let me offer a list of sources of the difficulty: 1e

Screen size: 1e1

The 20-line screen makes for choppy writing. 1e1a

Too easy to copy: 1e2

People too easily lift part of old files into new contexts and then fail to edit the copied material word by word to see if it integrates smoothly in the new context. 1e2a

Hectic environment: 1e3

The main bay is full of moise and distractions which block the attention to detail necessary for good writing. 1e3a

The attractiveness and usefulness of the system: 1e4

Because the system is fun to use, and uniquely useful for higher level organization, many people type in bulk text where they would otherwise have hand written, or dictated a draft which would then have been typed and returned to them.

In doing so they miss the rude shock of clean copy and a clear cut editing stage. 1e4a

Desire to offer examples of heirarchy to the outside world: 1e5

We have offered documents with deeply hierarchical structure, indention, and statement numbers, where the reader wants to read flowingly rather than consider the hierarchic relations of the parts or be able to locate them easily out of order. 1e5a

Special problem of location of introductory material in hierarchy: 1e6

Say we wanted to arrange properly the exposition: Dogs -- a domestic animal found around the world, Bulldogs, Spaniels, Fox Terriers -- it would plainly be wrong to say: 1e6a

"Dogs 1e6a1

A domestic animal found around the world. 1e6a1a

Bulldogs 1e6a1b

Spaniels 1e6a1c

Fox Terriers." 1e6a1d

But what should we do?
Should it be: 1e6b

"Dogs
A domestic animal found around the world. 1e6b1

Bulldogs 1e6b1a

Spaniels 1e6b1b

Fox Terriers."? 1e6b1c

Other abuses of heirarchy: 1e7

Many people write, or assemble, documents without really following the thread of subordination. E.g. "However... " does not introduce a subordinate category. 1e7a

Indifference to writing. 1e8

You can't write well unless you care. The atmosphere around

here often fails to encourage caring. The allocation of Paul and most of my time away from this effort is an example. 1e8a

Indifference to the reader: 1e9

To her ignorance: 1e9a

Documents leave ARC full of words no one could be expected to understand and of concepts offered without introductory information. 1e9a1

To her flow of interest: 1e9b

Marked, deep hierarchy is useful to someone looking up a fact. Another type of reader exists whom we want to draw into a different experience. Let's call her the read on reader. I might go so far as to say we want to offer her an experience from which she will emerge with some altered attitude. This reader may not like us, nor like to read, and will certainly be in a hurry. 1e9b1

Some one who is looking for something does not care about the flow until she begins reading. For read on readers, however, each sentence must create an expectation about the next, each paragraph about the next paragraph, etc. The expectations must be satisfied and the baton then passed on again. 1e9b2

The problem reminds me of the beginning of an essay on patriotism in a recent avant guard magazine: 1e9b3

"I intend to write something of a plea for patriotism. That intention is so uncongenial to almost everybody who is likely to read the essay that I want to spell it out with some care. In doing this, I wish not to disarm the critics, but to help them find the right target." 1e9b3a

To her existence: 1e9c

Documents writen for the record, to be the possible object of retrieval, are dull compared to documents written by an author for some reader she imagines. 1e9c1

All the usual vices of technical writing are flourishing at ARC because of x, y, and z above. They include: 1e10

Jargon words
Jargon diction

Unselective use of the passive voice.
Wordyness
Faulty Parallelism
General rather than concrete words. 1e10a

Soures of Difficulty: 1f

A Suggestion: 2

One way we could improve outgoing ARC writing would be to agree to a set of guidelines and to agree to submit outgoing documents for informal review. ARC is fortunate in having several people experienced and interested in writing. The following people have told me they might like to serve as reviewers: MDK, PR, JBN, SRL, DVN, JMB. Their comments should be suggestions rather than impositions. 2a

I offer the following possible guidelines. 2b

Hold specialized words to a minimum. 2b1

E.g. We have nothing more familiar to call a plex than "plex" but an "alphabetic character" can be called a letter. 2b1a

Use no specialized grammar. 2b2

E.g. "Reference" is a noun, never a verb. The verb is "cite." 2b2a

Use the pasive voice only to emphasize that the action of the verb is passive; avoid the passive with verbs of mental action. 2b3

Reduce Acronyms to a minimum. 2b4

Use as few words as possible. "Cut words" is motherhood, but like motherhood, serious. 2b4a

Always edit a document in some other medium than you created it. e.g. if dictated, edit in display; if written on display, edit in hard copy, etc Vary character size when editing.. 2b5

Always read a document once in hard copy in a quiet place. 2b6

Always check whether parallel ideas are formed in parallel constructions. 2b7

Always check whether subordinate ideas are formed in subordinate constructions. 2b8

If the organization of statements is in NLS hierarchy, and it fails the two tests above, consider appending the elements into a single statement where their relation can be expressed by the conjunctive adverbs, word order, etc. as in (link,) below. 2b9

Always imagine you are addressing some reader. 2b10

Study The Elements of Style by Strunk and White (XDOC 3854) and take it to heart. 2b11

Guidelines such as these are always partly controversial. The report (journal,13041,) from which I draw one example and which seems to me very tough to read impressed a recent visitor, Sylvia Meyer, as exceptionally readable. "I read it from cover" she said. 2b12

I suggest the prospective editors meet along with other interested parties to discuss these suggestions, particularly the guidelines. 2c

Appendix I
The following two passage cite dull ARC Writing and show what I hope are more readable rewrites. 3

Rewrite of (7472,5)
[Up to this point the reader knows what a statement is and has seen a figure showing a hierarchic file] 3a

PRIMARY RELATIONSHIPS BETWEEN STATEMENTS 3a1

In Talking about NLS files and in some commands we need to name statements according to how they stand with respect to other statements. The most obvoius example is "substatement". In figure 1, "2a" is a substatement of "2." 3a1a

Every substatement hangs on a higher statement which is called its "source." "2" is the source of "2a" and "2a" is in turn the source of "2a1." 3a1b

Note that statement numbers alternate numerals with letters. Each alternation is called a "field". "1a" has two fields "23a" also has two but "2b4c" has four fields. 3a1c

When statements are on the same level in the hierarchy, the higher one is called the "predecesor." and the lower one is called the "successor." Thus in figure 1, 1a is the predecessor of 2a, and 2a is the successor of 1a. 3a1d

Any NLS file contains a statement 0 at the very least. Statement 0 has a special position. It has no source. It

is on a level by itself with no successor or predecesor and statements "1," "2," "3" etc. are its substatements. 3a1e

COMMENT: (7472,5a2a1) and (7472, 5a2b1) are an example of how the copy command can make hard reading. 3a2

Rewrite of (13041,4d1b3)
[The reader knows only that this is part of a longer section: "NLS--A Technical Overview"] 3b

The Portrayal Generator
A user sees the contents of an NLS file as characters on a display screen, as characters printed on a tele-type like machine, or as a page from a printer. A group of software mechanisms called the Portrayal Generator prepare the file for reproduction by these devices. 3b1

Statements in an NLS file may have any order; NLS files are random files. The first part of the Portrayal Generator, called the Sequence Generator, calls statements from the file in order to display them in the hierarchy described in (ref). 3b2

The viewspecs (ref) are applied as filters within the Sequence Generator. For example a filter in the sequence generator may display only statements above a certain level in the hierarchy. 3b2a

Other filters in the Sequence generator may modify the text as it passes. 3b2b

Users may modify the sequence generator to call statements in other orders, e.g. alphebitically by oculent. 3b2c

For a user at a display, statements passed by the Sequence Generator move in order to the Display Controller. The Display Controller allows restructuring what appears on the screen when the user makes changes and allows display of several files in up to 8 windows. 3b3

An alternative mechanism, the Typewriter Terminal Print Controller formats statements properly for tele-type like instruments. 3b4

A device called Quick Print quickly formats statements passed from the Display or Print Controller to a line printer. Quick print makes pages that are exactly like those which emerge from a teletype except for paging. 3b5

A more complex Output Processor gives the user most of the

formal devices available in offset printing. The user controls the appearance of his page by embedding bits of code in the text. (11076, 2). The Output processor can feed to a variety of devices including line printer and microfilm printers. 3b6

COMMENT: This rewrite would have to go back through a knowledgable specialist. 3b7

: 4

DLS 26-APR-73 15:41 16203
Text Editor Comparisons--Request for Help
Location: (MJOURNAL, 16203, 1:w)

4a

Comments: This took me about 1 hour and 40 minutes from creation of the file to submission to the journal, with side trips to the candy machine, others directory and the journal ident system. It would have taken me a couple of days minimum to get out the same note using the secretary and MTSTs. How much of a cost savings is this???? 4a1

RWW 19-APR-73 16:16 16018
Some Thoughts on NLS for High Pressure Document Creation
Location: (MJOURNAL, 16018, 1:w)

4b

PR 12-APR-73 14:04 15761
WHY DON'T WE WRITE BETTER?
Location: (MJOURNAL, 15761, 1:w)

4c

Comments: For your information and comments if you wish. 4c1

HGL 19-APR-73 10:10 16013
When in Doubt, Leave It Out: Bad Writing at ARC
Location: (MJOURNAL, 16013, 1:w)

4d

(J15990) 17-APR-73 17:39; Title: Author(s): Bass, Walt /WLB;
Distribution: /sri-arc ; Sub-Collections: SRI-ARC; Clerk: WLB;

4e

Proposed ACTION for Better Writing

Link to document: (MJOURNAL,15990,1:w) 4e1
(J15984) 17-APR-73 13:54; Title: Author(s): Kudlick,
Michael D. /MDK ; Distribution: /sri-arc ; Sub-Collections:
SRI-ARC; Clerk: MDK;
Origin: <KUDLICK>WRITING.NLS;6, 17-APR-73 13:49 MDK ;

4f

Dull Writing: The Reader's Problem or the Writer's Problem?

Link to document: (MJOURNAL,15984,1:w) 4f1
(J15985) 17-APR-73 16:00; Title: Author(s): Meyer, N. Dean
/NDM; Distribution: /DCE JCN(copy) JDH(copy) WLB(copy);
Sub-Collections: SRI-ARC; Clerk: NDM;
Origin: <MEYER>HJ.NLS;1, 17-APR-73 15:56 NDM ;

4g

Re: Journal Header redefinition

Link to document: (MJOURNAL,15985,1:w) 4g1

FOOTNOTES: 5

(a) John H. Schaar, The Case for Patriotims, The New American Revier # 17: 5a

17752 Distribution
Susan R. Lee,

FIRST DRAFT: ARC Dull Writing

(J17752) 11-JUL-73 21:34; Title: Author(s): Dirk H. Van Nouhuys/DVN;
Distribution: /SRL(following my own advdvice I'm asking you to edit this
befoe it goes further. Please note that Make ref will a make neater
references, but is not running tonight.); Sub-Collections: SRI-ARC;
Clerk: DVN;
Origin: <VANNOUHUYS>WRITING.NLS;6, 11-JUL-73 21:30 DVN ;

REVISED JUN 24 - 30: A WEEK IN REVIEW

This document replaces 17719. Thanks to Paul, some horrendous errors were discovered, and are now corrected.

REVISED JUN 24 - 30: A WEEK IN REVIEW

WEEKLY ANALYSIS REPORT: 1

2

WEEK: JUN 24 - 30, 1973 (24 HOURS/DAY) 3

4

TOTAL SYSTEM CPU: 49.430 5

6

(ARC) 6a

IDENT	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU: 1	
						6a1
						6a2
(STAFF)						6a3
(DCB)	.147	12.270	.012	.297	83.469	6a3a
(SRL)	.211	18.036	.012	.427	85.479	6a3b
(NDM)	1.206	51.459	.023	2.440	42.669	6a3c
(JCN)	.858	16.685	.051	1.736	19.446	6a3d
(DVN)	.806	16.249	.050	1.631	20.160	6a3e
(PR)	.466	18.761	.025	.943	40.260	6a3f
(RWW)	.019	.773	.025	.038	40.684	6a3g
	-----	-----		-----		6a3h
(TOTAL)	3.713	134.233		7.512		6a3i
						6a3j
(PSO)						6a4
(KFB)	.072	7.882	.009	.146	109.472	6a4a
(BAH)	.942	25.026	.038	1.906	26.567	6a4b
(MEJ)	.482	37.321	.013	.975	77.429	6a4c
(KIRK)	1.708	45.527	.038	3.455	26.655	6a4d

	-----	-----		-----		6a4e
(TOTAL)	3.204	115.756		6.482		6a4f
						6a4g
(NIC)						6a5
(JDC)	.004	.064	.062	.008	16.000	6a5a
(EJF)	.325	10.606	.031	.657	32.634	6a5b
(CBG)	.011	1.158	.009	.022	105.273	6a5c
(MDK)	.330	8.747	.038	.668	26.506	6a5d
(MLK)	.247	15.244	.016	.500	61.717	6a5e
(JBN)	.274	16.072	.017	.554	58.657	6a5f
	-----	-----		-----		6a5g
(TOTAL)	1.191	51.891		2.409		6a5h
						6a5i
(HARDWARE)						6a6
(MEH)	.109	17.176	.006	.221	157.578	6a6a
(JR)	.003	.506	.006	.006	168.667	6a6b
	-----	-----		-----		6a6c
(TOTAL)	.112	17.682		.227		6a6d
						6a6e
(TENEX)						6a7
(DIA)	.431	15.057	.029	.872	34.935	6a7a
(KEV)	.841	17.543	.048	1.701	20.860	6a7b
(DCW)	.017	1.059	.016	.034	62.294	6a7c
	-----	-----		-----		6a7d
(TOTAL)	1.289	33.659		2.607		6a7e

6a7f

(NLS) 6a8

(CFD)	-	-	-	-	-	6a8a
(JDH)	.406	15.782	.026	.821	38.872	6a8b
(CHI)	2.929	25.826	.113	5.926	8.817	6a8c
(DSK)	1.176	27.804	.042	2.379	23.643	6a8d
(HGL)	1.213	30.874	.039	2.454	25.453	6a8e
(EKM)	.454	15.500	.029	.918	34.141	6a8f
(JEW)	.563	63.961	.009	1.139	113.607	6a8g
	-----	-----		-----		6a8h
(TOTAL)	6.741	179.747		13.637		6a8i

6a8j

(GROUP) TOTALS 6b

GROUP	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU	
						6b1
						6b2
(STAFF)	3.713	134.233	.028	7.512	36.152	6b3
(PSO)	3.204	115.756	.028	6.482	36.129	6b4
(NIC)	1.191	2.409	.494	2.409	2.023	6b5
(HARDWARE)	.112	17.682	.006	.227	157.875	6b6
(TENEX)	1.289	33.659	.038	2.608	26.112	6b7
(NLS)	6.741	179.747	.038	13.637	26.665	6b8
	-----	------		-----		6b9
(TOT)	16.250	483.486		32.875		6b10

6b11

(STATS) 6c

REVISED JUN 24 - 30: A WEEK IN REVIEW

HIGHEST CPU: CHI 2.929 hrs LOWEST CPU: JR .003 hrs 6c1

HIGHEST CON: JEW 63.961 hrs LOWEST CON: JDC .064 hrs 6c2

HIGHEST CPU/CON: JDC .062 HIGHEST CON/CPU:1: JR 168.667 6c3

6c4

(OVERHEAD) 6d

(JCP)	1.613	39.238	.041	3.263	24.326	6d1
BACKGROUND	2.982	133.145	.022	6.033	44.650	6d2
CAT	9.116	17.123	.532	18.442	1.878	6d3
DOCUMENTATION	.006	.072	.083	.012	12.000	6d4
NETINFO	.271	8.888	.030	.548	32.797	6d5
OPERATOR	.658	20.241	.033	1.331	30.761	6d6
PRINTER	5.565	107.606	.052	11.258	19.336	6d7
SYSTEM	7.301	215.264	.034	14.770	29.484	6d8
	-----	-----		-----		6d9
(TOTAL)	27.512	541.577		55.657		6d10

6d11

(XEROX) 6e

6e1

NAME	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU:1	
						6e2
						6e3
(DDC)COWAN	.020	.551	.036	.040	27.550	6e4
(LPD)DEUTSCH	.073	1.243	.059	.148	17.027	6e5
(CMG)GESCHKE	.020	.744	.027	.040	37.200	6e6
(JGM)MITCHELL	.111	11.826	.009	.225	106.541	6e7
(EHS)SAT-WTE	.466	13.440	.035	.943	28.841	6e8

(RES)SWEET	.106	3.646	.029	.214	34.396	6e9
	-----	-----		-----		6e10
(TOTAL)	.796	31.450		1.610		6e11
						6e12
(RADC)						6f
						6f1

NAME	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU:1	DIR	
							6f3
BAIR	.266	12.979	.020	.538	48.793	223	6f4
BERGSTRM	-	-	-	-	-	16	6f5
BETHKE	.043	3.279	.013	.087	76.256	54	6f6
CAVANO	.137	8.000	.017	.277	58.394	109	6f7
IUORNO	.017	1.618	.011	.034	95.176	34	6f8
KENNEDY	.212	13.178	.016	.429	62.160	36	6f9
LAMONICA	.242	12.013	.020	.490	49.640	86	6f10
LAWRENCE	-	-	-	-	-	44	6f11
MCNAMARA	-	-	-	-	-	121	6f12
PANARA	.125	7.068	.018	.253	56.544	112	6f13
RADC	.074	5.901	.013	.150	79.743	90	6f14
RZEPKA	-	-	-	-	-	39	6f15
SLIWA	.015	1.103	.014	.030	73.533	19	6f16
STONE	.239	12.931	.018	.484	54.105	300	6f17
THAYER	.001	.012	.083	.002	12.000	4	6f18
TOMAINI	.270	15.215	.018	.546	56.352	31	6f19
	-----	-----		-----		-----	6f20

(TOTAL)	1.641	93.297		3.320	1318.000	6f21
(PER CENT TOTAL DISK CAPACITY)					2.706%	6f22
						6f23
(NETUSERS) TOP FIVE						6g
						6g1
NAME	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU:1	6g2
						6g3
ILLINOIS	.573	52.923	.011	1.159	92.361	6g4
UCLA-NMC	.392	18.408	.021	.793	46.959	6g5
MITRE-TIP	.378	21.641	.017	.765	57.251	6g6
NBS-TIP	.266	12.862	.021	.538	48.353	6g7
UCSB	.256	11.946	.021	.518	46.664	6g8
	-----	-----		-----		6g9
(TOTAL)	1.865	117.780		3.773		6g10
						6g11
(NET) TOTAL	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU:1	6h
						6h1
NET	3.232	207.543	.016	6.539	64.215	6h2
						6h3
						7

17753 Distribution

Susan R. Lee, Beauregard A. Hardeman, Douglas C. Engelbart, Don I. Andrews, Marilyn F. Auerbach, Walt Bass, Charles F. Dornbush, Elizabeth J. (Jake) Feinler, Martin E. Hardy, J. D. Hopper, Charles H. Irby, Mil E. Jernigan, Diane S. Kaye, Kirk E. Kelley, Michael D. Kudlick, Elizabeth K. Michael, Jeanne B. North, James C. Norton, Jeffrey C. Peters, Paul Rech, Dirk H. Van Nouhuys, Kenneth E. (Ken) Victor, Donald C. (Smokey) Wallace, Richard W. Watson, James E. (Jim) White, Duane L. Stone, Thomas F. Lawrence, James H. Bair, L. Peter Deutsch, James G. Mitchell,

REVISED JUN 24 - 30: A WEEK IN REVIEW

(J17753) 11-JUL-73 21:51; Title: Author(s): Beauregard A. Hardeman/BAH; Distribution: /WAR; Sub-Collections: SRI-ARC WAR; Clerk: BAH;