

Test

This letter is a sample of letter-type text which can be used to practice the use of the "Letterhd" and "Letternohd" user programs to produce correspondence.

1

The format of the letter produced is one consideration; is it attractive, and are any changes possible to improve its readability or its appearance?

2

The steps in the procedures used are also of interest; are they intuitive, and can they be improved? How would a scenario be constructed to overcome the reported difficulty which novices have in using the programs, so that personal instruction would not be necessary?

3

Test

(J22693) 10-APR-74 13:08; Title: Author(s): Jeanne B. North/JBN;
Distribution: /JBN; Sub-Collections: SRI-ARC; Clerk: JBN;
Origin: <NORTH>SAMPLE,NLS;6, 9-APR-74 09:19 JBN ;

A New Version of FTPFRK

Dave== I've created a new version of FTPFRK ==
 SRI=ARC:<NET>FTPFRK.SAV; the previous, long-standing version is saved
 as SRI=ARC:<NET>FTPFRK.SAVBACKUP. Three bug fixes have been made: 1

(1) The bug which so often clobbers the true error message and leaves you with 'Long files are not supported.' We shouldn't be seeing that message AT ALL any more, but rather the true cause of the failure. 1a

(2) A bug which causes FTPFRK to become confused about the byte size for the FTP data connection in cases where the failing command was preceded by a call to FTPBGN and then one to FTPOPEN. 1b

As far as I know, this bug has never been encountered by anyone other than myself. 1b1

(3) An esoteric bug which could, in certain classes of failures, cause FTPFRK to get out of synch with the reply stream from the server. 1c

As far as I know, this bug has never been encountered by anyone other than myself. 1c1

None of these fixes should make our long-standing problem go away, but it should change the symptoms and give us a better idea of what's happening. For a while, then, I'd like to be kept informed about failures encountered by the Journal == how frequently, and the text of the error messages. Suggest you install the new FTPFRK at OFFICE-1 as soon as is convenient. ==Jim 2

A New Version of FTPFRK

(J22694) 10-APR-74 14:25; Title: Author(s): James E. (Jim)
White/JEW; Distribution: /JDH; Sub-Collections: SRI-ARC; Clerk: JEW;

Journal Number used Twice

The number 22671 was assigned both to a plex I submitted (now in
1journal, a private file) and to a message submitted by marcia!

1

Journal Number used Twice

(J22695) 10-APR-74 14:48; Title: Author(s): N. Dean Meyer/NDM;
Distribution: /JDH MLK JHB FDBK; Sub-Collections: SRI=ARC; Clerk: NDM;

Visit with Fran Greehan

I talked with Fran Greehan again this afternoon about what NLS could do for the SRI Marketing people. He described a query system he would like to see tried.

He pictures the user as a young researcher who hasn't got the contacts nor the know-how to do his own marketing. The role of the marketing staff is to put him in contact with potential clients and to advise him on soliciting their research monies.

Much of his time is spent answering simple questions repeatedly for people throughout the Institute. This leaves him short on time for making contacts in the field, and for long-range strategic planning.

These potential users come in with the question "What are the available programs in my area in which I might offer research?" They need to know:

what programs in which offices are concerned with his area of interest,

general information about the offices, including requirements for bids, etc.,

who the contacts are there, and what SRI's history is with them (when seen by who about what),

program budgets and details.

This database should be easily maintained. He'd like it to be structured so that we can generate special views (e.g. given a contact, give us a list of his contact reports for the last year; is there anyone we haven't contacted at least four times per year?,...).

He would eventually like some statistics on how the system is used, and is interested in spin-offs like an online calendar for budget cycles of all the offices, for what his people are doing, etc.

He has talked to JCN. He is aware of the problem of access to the computer (a non-ARPA application) and suggested that his WATS line is free from 8 to 11 every morning. I told him about DEX. He is anxious to begin playing with all of this and arranging a trial database, and a demo for his colleagues.

Visit with Fran Greehan

(J22696) 10-APR-74 15:22; Title: Author(s): N. Dean Meyer/NDM;
Distribution: /DCE JCN RWW; Sub=Collections: SRI=ARC; Clerk: NDM;
Origin: <MEYER>FG,NLS;1, 10-APR-74 15:15 NDM ;

Incorrect Journal numbers 22669-22676

Due to an error in the number system, numbers assigned during the evening of 4-9 and day of 4-10 were incorrect. Change any citations you intend to use to reflect the corrected numbers.

original number	author	corrected number	
22669	KIRK DVN	22689	1a1
22670	RWW	22690	1a2
22671	NDM	22691	1a3
22673	JBN	22693	1a4
22674	JEW	22694	1a5
22675	NDM	22695	1a6
22676	NDM	22696	1a7

The following people are involved as authors or distributees:

JBN NDM DCE JCN RWW MLK JHB FDBK KIRK JEWS SDC2

JDH 10-APR-74 21:43 22700

Incorrect Journal numbers 22669-22676

(J22700) 10-APR-74 21:43; Title: Author(s): J. D. Hopper/JDH;
Distribution: /JBN NDM DCE JCN RWW MLK JHB FDBK KIRK JEW;
Sub-Collections: SRI-ARC; Clerk: JDH;

reply from NJN re Load Remote File

Jim ... This is a thank you from Nancy, plus a comment about a possible bug in network delivery.

reply from NJN re Load Remote File

11-APR-74 1008-EDT NEIGUS at BBN-TENEX: THANKS

Distribution: KUDLICK

Received at: 11-APR-74 07:20:04

1

FOR YOUR NOTE ABOUT THE JOURNAL SYSTEM, I TRIED OUT THE LOAD
REMOTE FILE COMMAND THIS MORNING AND, ALTHOUGH SLOW, IT WORKS
FINE.

I HAVE ALSO NOTICED THAT THE JOURNAL DELIVERY IS MUCH FASTER THESE
DAYS, I APPRECIATE YOUR EFFORTS TO FIX THESE THINGS UP,

1a

NOW ONE MORE COMMENT, REQUEST: IT WOULD BE LESS ANNOYING IF
JOURNAL CITATIONS WERE DELIVERED TO NETWORK MAILBOXES ONLY ONCE,
RATHER THAN ONCE FROM SRI-ARC AND ONCE FROM OFFICE-1. I THINK
THIS

ONLY HAPPENS WHEN THE MAIL ORIGINATES AT ARC, BUT I'M NOT SURE,
NO

TREMENDOUS PRESSURE ABOUT THIS REQUEST, JUST PUT IN ON YOUR QUEUE
OF FRIENDLY FEATURES,

1b

THANKS, NANCY

1c

MDK 11=APR=74 08:53 22702

reply from NJN re Load Remote File

(J22702) 11=APR=74 08:53; Title: Author(s): Michael D. Kudlick/MDK;
Distribution: /JEW; Sub=Collections: SRI=ARC; Clerk: MDK;

MAR 31 - APR 6, 1974: A WEEK IN REVIEW

WEEKLY ANALYSIS REPORT:

WEEK: MAR 31 - APR 6, 1974 (24 HOURS/DAY)

TOTAL SYSTEM CPU: 46,512

(ARC)	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU:1
-------	---------	---------	---------	-------	-----------

(DOC)

(JMB)	,644	17,709	,036	1,385	27,498
-------	------	--------	------	-------	--------

(NDM)	,797	17,281	,046	1,714	21,683
-------	------	--------	------	-------	--------

CAT	-	-	-	-	-
-----	---	---	---	---	---

DOCB	-	-	-	-	-
------	---	---	---	---	---

DOCUM	,008	5,717	,001	,017	714,625
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-----	-----	-----	-----	-----	-----
-------	-------	-------	-------	-------	-------

TOTAL	1,449	40,707	,036	3,116	
-------	-------	--------	------	-------	--

(FAC)

(RAB)	-	-	-	-	-
-------	---	---	---	---	---

(MEH)	,730	23,176	,031	1,569	31,748
-------	------	--------	------	-------	--------

(JCP)	1,950	66,297	,029	4,192	33,998
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(JR)	,016	,306	,052	,034	19,125
------	------	------	------	------	--------

(EKV)	-	-	-	-	-
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HARDW	,227	10,229	,022	,488	45,062
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OPERA	,883	38,040	,023	1,898	43,080
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MAR 31 - APR 6, 1974: A WEEK IN REVIEW

BAH 11-APR-74 09:34 22703

	-----	-----		-----		
TOTAL	3,806	138,048	,028	8,181		6a3h 6a3i 6a3j 6a4
(NIC)						
(JDC)	,032	,996	,032	,069	31,125	6a4a
(EJF)	,776	18,166	,043	1,668	23,410	6a4b
(CBG)	,019	,326	,058	,041	17,158	6a4c
(MDK)	,976	15,199	,064	2,098	15,573	6a4d
(MLK)	1,163	33,335	,035	2,500	28,663	6a4e
(JBN)	,946	32,141	,029	2,034	33,976	6a4f
NETIN	,276	9,870	,028	,593	35,761	6a4g
NIC-WORK	-	-	-	-	-	6a4h
	-----	-----		-----		6a4i
TOTAL	4,188	110,033	,038	9,003		6a4j 6a4k 6a5
(PRO)						
(DH@)	,646	02,644	,048	1,413	20,935	6a5a
(WRF)	,478	16,329	,029	1,028	34,161	6a5b
(JDH)	,301	16,839	,018	,647	55,944	6a5c
(CHI)	1,239	30,822	,040	2,664	24,877	6a5d
(HGL)	1,151	16,329	,070	2,475	14,187	6a5e
(EKM)	,242	21,357	,011	,520	88,252	6a5f
(KEV)	2,119	29,844	,071	4,556	14,084	6a5g
(DCW)	1,449	24,149	,060	3,115	16,666	6a5h
(JEW)	1,156	29,084	,040	2,485	25,159	6a5i

MAR 31 - APR 6, 1974: A WEEK IN REVIEW

	-----	-----		-----		6a5j
TOTAL	8,792	198,507	,044	18,903		6a5k
						6a5l
(PSO)						6a6
(BAH)	,474	15,431	,031	1,019	32,555	6a6a
(MEJ)	1,551	78,971	,020	3,335	50,916	6a6b
(SLJ)	,081	2,729	,030	,174	33,691	6a6c
(KIR)	2,534	57,688	,044	5,448	22,766	6a6d
(JML)	,011	,405	,027	,024	36,818	6a6e
	-----	-----		-----		6a6f
TOTAL	4,651	155,224	,030	10,000		6a6g
						6a6h
(STA)						6a7
(JHB)	,442	23,046	,019	,950	52,140	6a7a
(DCE)	1,207	32,225	,037	2,595	26,698	6a7b
(SRL)	,512	12,640	,041	1,101	24,688	6a7c
(RNL)	,417	22,508	,019	,897	53,976	6a7d
(JCN)	,295	8,088	,036	,634	27,417	6a7e
(DVN)	,784	18,445	,043	1,686	23,527	6a7f
(PR)	,059	1,083	,054	,127	18,356	6a7g
(RWW)	,039	1,704	,023	,084	43,692	6a7h
	-----	-----		-----		6a7i
TOTAL	3,755	119,739	,031	8,074		6a7j
						6a7k
(GROUP) TOTALS						6a8

MAR 31 - APR 6, 1974: A WEEK IN REVIEW

GROUP	CPU HRS	CON HRS	CPU/CON	% SYS	
(DOC)	1,449	40,707	,036	3,116	6a8a
(FAC)	3,806	138,048	,028	8,181	6a8b
(NIC)	4,188	110,033	,038	9,003	6a8c
(PRO)	8,792	198,507	,044	18,903	6a8d
(PSO)	4,651	155,224	,030	10,000	6a8e
(STA)	3,755	119,739	,031	8,074	6a8f
-----	-----	-----	-----	-----	6a8g
TOTAL	26,641	762,258	,035	57,277	6a8h

	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU:1	
(NET)						6a8i

TOTAL	5,631	111,687	,050	12,107	19,834	6a8j
						6a8k
TOP FIVE						6b
-----						6c
BOLDUC	1,811	20,290	,089	3,894	11,204	6c1
ERICKSON	1,155	16,567	,070	2,483	14,344	6c2
NJOHNSON	1,462	21,668	,067	3,143	14,821	6c3
MYSZEWSKI	,259	7,367	,035	,557	28,444	6c4
ANDREE	,191	4,957	,039	,411	25,953	6c5
-----	-----	-----	-----	-----	-----	6c6
TOTAL	10,509	182,536	,058	22,595		6c7

MAR 31 - APR 6, 1974: A WEEK IN REVIEW

						6c13
(SYS)						6d
BACKGROUND	1,681	129,388	,013	3,614	76,971	6d1
PRINTER	6,001	129,310	,046	12,902	21,548	6d2
SYSTEM	,483	128,889	,004	1,038	266,851	6d3
SYSTEM	1,009	123,889	,008	2,169	122,784	6d4
SYSTEM	4,821	128,211	,038	10,365	26,594	6d5
	-----	-----		-----		6d6
TOTAL	13,995	639,687	,022	30,088		6d7
(WOR)						6e
						6e1
ENERGY	,223	11,748	,019	,479	52,682	6e2
GILBERT	-	-	-	-	-	6e3
JIMB	,001	,026	,038	,002	26,000	6e4
MARTINEZ	,006	6,013	,001	,013	1002,167	6e5
	-----	-----		-----		6e6
TOTAL	,230	17,787	,013	,494		6e7
						6e8
(XOX)						6f
						6f1
DEUTSCH	,018	,274	,066	,039	15,222	6f2
	-----	-----		-----		6f3
TOTAL	,018	,274	,066	,039		6f4
						6f5

MAR 31 - APR 6, 1974: A WEEK IN REVIEW

(J22703) 11-APR-74 09:34; Title: Author(s): Beauregard A.
Hardeman/BAH; Distribution: /WAR; Sub=Collections: SRI-ARC WAR; Clerk:
BAH;

Please Beat on the HELP System

I would appreciate it very much if everyone now using the new NLS would spend some time trying various aspects of the HELP system as it is very critical to initial use of the new system and we really need to learn how to do HELP systems fro NLS and the MST system. Please report bugs and sggestions through the feedback mechanism. I have asked Mike Kudlick to spend considerable time beating on the HELP system. Thanks Dick

1

Please Beat on the HELP system

(J22704) 11-APR-74 09:39; Title: Author(s): Richard W. Watson/RWW;
Distribution: /SRI-ARC; Sub=Collections; SRI-ARC SRI-ARC; Clerk: RWW;

syst progr applicant interviews

Two systems programmer applicants for interview here next week:

David Levy WEDNESDAY 17-Apr 10:00 AM

Gene McDaniel THURSDAY 18-Apr 10:00 AM

I have resumes and will distribute them ... Mike,

1

MDK 11-APR-74 13:06 22705

syst progr applicant interviews

(J22705) 11-APR-74 13:06; Title: Author(s): Michael D. Kudlick/MDK;
Distribution: /RWW JEW KEV CHI JDH WRF EKM HGL DCW MDK; Sub-Collections:
SRI-ARC; Clerk: MDK;

Please Use The Help System

Distribution of this item was delayed a couple of days because it shared a number with SRL's discussion of word processing which was distributed in it's stead.

Please Use The Help System

Message: The HELP subsystem has reached a point where it can give troublesome service. We believe XNLS will be in regular use soon and would like to speed up beating the bugs out of HELP. This journal item appeals to everyone to use the HELP system via Goto Help or <control-q> from any point in a command in XNLS. When you find problems, please send messag to YOURIDENT/FDBK@ARC, or Sendmail (Journal) items to the ident FDBK.

1

Please Use The Help System

(J22706) 11-APR-74 13:54; Title: Author(s): Kirk E. Kelley, Dirk H.
Van Nouhuys/KIRK DVN; Distribution: /SRI-ARC DIRT; Sub-Collections:
SRI-ARC DIRT; Clerk: DVN;

RFC 629

JEANNE:

A VERY MINOR NIT TO PICK IS THAT IN THE EXAMPLES ON PAGE 2
THE KEYWORD "RE" IS USED FOR THE TITLE LINE, WHILE RFC 561 USES THE
KEYWORD "SUBJECT" FOR THIS FUNCTION. I AM TRYING TO ENCOURAGE THE
USE OF THE RFC 561 STANDARDS FOR NETWORK MAIL SYSTEMS. AS I SAY THIS
IS A MINOR POINT IN A USEFUL AND TIMELY MEMO.

--JON,

1

2

3

4

5

6

7

8

9

10

RFC 629

(J22707) 11-APR-74 14:10; Title: Author(s): Jonathan B. Postel/JBP;
Distribution: /JBN; Sub-Collections: NIC; Clerk: JBP;

Do we want to do further studies of the utility?

I have a file (lee,utilfeed,) which contains a summary of utility feedback I prepared for my own use (to try making some sense out of utility feedback). With an additional expenditure of time this could develop into a potentially profitable study of the utility. If you think there would be some interest in this let me know and I'll put it on my to-do list. Otherwise I'll journalize it for the record in case I might need it later.

Do we want to do further studies of the utility?

(J22708) 11-APR-74 15:46; Title: Author(s): Susan R. Lee/SRL;
Distribution: /PR; Sub-Collections: SRI-ARC; Clerk: SRL;

System down two Sundays in April and May

Our computer system will be down all day on Sunday, April 28 and Sunday, May 5. PG&E is cutting off all power to this building to install some more electrical equipment. Currently power is scheduled to be off from 7:30 am until 4:30 pm on both days. The computer will be brought up again on Sunday night of both days. I will put in a loginmessage as the time approaches.

1

WRF 11-APR-74 16:40 22709

System down two Sundays in April and May

(J22709) 11-APR-74 16:40; Title: Author(s): Ferg R. Ferguson/WRF;
Distribution: /SRI-ARC; Sub-Collections: SRI-ARC; Clerk: WRF;

huhuh

now is the time .

1

huhuh

(J22710) 11-APR-74 09:56; Title: Author(s): Sandy L. Johnson/SLJ;
Distribution: /SLJ(* action *) ; Sub-Collections: SRI-ARC; Clerk:
SLJ;

Re (LJOURNAL, 22658,1:w) DIRT collection

I have been keeping a list of all items that have come through my initial file that have anything to do with the new language and Help since we started working on it. It doesn't have all those things you described--those that I never write or receive, but.....
see--beck, jmb, 4:gw)

1

JMB 11-APR-74 21:43 22711

Re (LJOURNAL, 22658,1:w) DIRT collection

(J22711) 11-APR-74 21:43; Title: Author(s): Jeanne M. Beck/JMB;
Distribution: /DVN(how do you do a subcollection distribution?);
Sub-Collections: SRI-ARC; Clerk: JMB;

Information Management report feedback

I think Information Management report should go to Craig Fields as soon as possible. The only thing I find missing from the report is the specification of a coherent conceptual framework and front end accessing system for all of the online services to be provided. My vision of the whole Arpanet Catalog as outlined in (using,wac,) was to provide via the same (to the user) online accessing system all of the information available from the central depositories (resources, directory, Arpanet news) as well as help systems and software documentation to be maintained locally. Hardcopy notebooks, directories, and newsletters would be generated from the online formatted database.

1

KIRK 11-APR-74 21:55 22712

Information Management report feedback

(J22712) 11-APR-74 21:55; Title: Author(s): Kirk E. Kelley/KIRK;
Distribution: /INFORMAN CF; Sub-Collections: SRI-ARC INFORMAN; Clerk:
KIRK;

Demonstration of Programmable Hand Calculator

If anyone is interested in programmable hand calculators, there will be a demonstration next Tuesday, April 16, 2:00, Bldg. 110 Conference Room. I have a brochure if anyone would like more information.

1

Demonstration of Programmable Hand Calculator

(J22713) 12=APR=74 12:27; Title: Author(s): Susan R. Lee/SRL;
Distribution: /SRI=ARC; Sub=Collections: SRI=ARC; Clerk: SRL;

File about online calculator

I have a file (lee,cal,) with some preliminary ideas about an online calculator. Feel free to take a look and let me know what you think. I've never tried writing a design document before, so beware!

1

File about online calculator

(J22714) 12=APR=74 12:35; Title: Author(s): Susan R. Lee/SRL;
Distribution: /RLL; Sub=Collections: SRI=ARC; Clerk: SRL;

very tentative script for ONR movie

Here is a first attempt to come up with movie; comments please, thank you.

very tentative script for ONR movie

(movie) for ONR seminar	1
question = new NLS or old NLS???? suppose old to be honest,	1a
objectives	1b
to show physical environs	1b1
to show "actual" people working	1b2
to demonstrate display NLS	1b3
scenes	1c
basic sign on	1c1
a few stats at TENEX level	1c2
display NLS format	1c3
mouse and keyset	1c4
show initial file	1c5
imple editing commands	1c6
split screen	1c7
shared screen (??)	1c8
script	1d
opening scene	1d1
talk while camera moves along center room towards Engelbart's office	1d2
this shows people working at displays	1d2a
others are working in offices on the sides (only see them going in or coming out) but mention and make hand gesture where these offices are,	1d2b
voice (possibly visible = walking in front of camera) commenting on the scene	1d2c
approach engelbart's office, stop, a few words re Doug	1d3

very tentative script for ONR movie

Doug's door is open, he is working at the display, Camera zooms in	1d4
Doug turns toward speaker, not noticing camera (at this time)	1d5
voice: (while Doug approaches doorway) "Doug could you say a few words on the ..."	1d6
Kept short and pungent so that the words are remembered as we look at display nls later,	1d7
camera turns towards center room and zooms in on a display	1d8
the mouse, keyset, etc are shown and very briefly explained,	1d9
ARC worker takes sit at display and proceeds from pushing 'on' button	1d10
His actions are slow enough so that the voice can explain, also the worker himself is visile (that is no close ups except when he does perform a step)	1d11
logon	1d12
message reading, while voice explains	1d13
enter NLS	1d14
explain various parts of screen	1d15
only mention command line and text area; not the viewspecs or time areas,	1d15a
show relationship between mouse and screen by demoing bugging via the jump command,	1d16
show a few useful activities that can be done with the system,	1d17
these functions must be very user oriented features such as	1d17a
journal reading	1d17a1
journal writing (messages only)	1d17a2
calendar sort of branch (?)	1d17a3
viewspecs	1d17a4

very tentative script for ONR movie

here we must be very careful or we will turn everyone
off by the esoteric appearance of viewspecs 1d17a4a

I suggest the viewsppcs xfb only, 1d17a4b

a sequence of events showing the creation, editing,
reviewing, printing, and distribution of a document (of some
size), 1d18

the scenes are fairly short and no explanation of exactly
what is going on will be given at this time 1d18a

the main objective here is to show the full scope of a major
activity by a knowledge workshop, later the editing, etc.
will be shown as the subject of the demo, 1d18b

first scene might be thinker writing some rough notes on
paper 1d18c

writing notes online and adding new words 1d18d

thinker writing and thinking online 1d18e

thinker writing on paper bulk of report 1d18f

secreatry using TI and DEX system transcribing notes, 1d18g

secreatry reviewing material on display and doing some
editing 1d18h

thinker reviewing document on display and doing some editing
and entering new stuff 1d18i

another person, an editor, reviewing document, editing and
commenting 1d18j

thinker reviewing editors work, 1d18k

submitting document to output processor 1d18l

reviewing printed copy 1d18m

more editing 1d18n

submission to journal system 1d18o

manager type reading document 1d18p

making of tape for COM device 1d18q

very tentative script for ONR movie

finish high quality output from printer,	1d18r
voice : "Now we will show a few simple commands to edit"	1d19
camera from now on will be fully on the screen	1d20
this will allow easy editing of film	1d20a
pull backs by the camera to show worker then to mouse or keyset during appropriate times will help show the relationship between these devices and help break the monotony,	1d20b
editing commands demo	1d21
kept simple and fairly slow	1d21a
split screens demo	1d22
shared screen demo	1d23
other functions	1d24

RLL 12-APR-74 13:06 22715

very tentative script for ONR movie

(J22715) 12-APR-74 13:06; Title: Author(s): Robert N. Lieberman/RLL;
Distribution: /JCN; Sub=Collections; SRI=ARC; Clerk: RLL;

Items That Should be in the DIRT Subcollection

There is no way to secondarily distribute a journal item. When you distribute it the first time the command is, ofcourse, su.,.

Items That Should be in the DIRT Subcollection

(NewDirt library) New Command Language, Its Documentation: Help Database, userguides, etc. (recent first)

1

JMB 6=APR=74 20:51 22641
New NLS duplicate Feedback commands
Location: (LJOURNAL, 22641, 1:w)
*****Note: Author Copy*****

1a

JMB 6=APR=74 20:50 22640
New DNLS Useroptions Feedback command
Location: (LJOURNAL, 22640, 1:w)
*****Note: Author Copy*****

1b

JMB 6=APR=74 20:48 22639
New DNLS Useroptions problems
Location: (LJOURNAL, 22639, 1:w)
*****Note: Author Copy*****

1c

HGL 1=APR=74 10:07 22550
Baroque's OK, But Rococco?
Location: (JJOURNAL, 22550, 1:w)

1d

Comments: Is a programmer's meeting in order for this week???

1d1

SRL 1=APR=74 09:33 22548
New Feedback Ident
Location: (JJOURNAL, 22548, 1:w)

1e

Comments: This is short. Please read.

1e1

JMB 27=MAR=74 15:28 22508
Bug that has stopped work for some weeks now IN TNLS:
Location: (JJOURNAL, 22508, 1:w)
*****Note: Author Copy*****

1f

KEV 27=MAR=74 07:29 22497
abstract: a command meta language for an nls frontend
Location: (JJOURNAL, 22497, 1:w)

1g

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

1g1

Items That Should be in the DIRT Subcollection

KIRK 26-MAR-74 17:07 22492
 ECL: Efficient Command Language proposal
 Location: (JJOURNAL, 22492, 1:w)

1h

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

1h1

KEV 26-MAR-74 15:12 22488
 xnls: change to the way backspace word works for literal typein
 Message: the next version of xnls will not do a backspace visible
 for backspace word for literal typein, but will back over any
 number of not letters or digits followed by any number of letters
 or digits (\$NLD SLD)

11

JMB 25-MAR-74 14:59 22481
 New TNLS Output Terminal command
 Message: In New TNLS, Output Terminal bombs out upon typing 'Y in
 answer to "Go?" (Bell rings when I type the OK character at that
 point). It would be a useful command if you could fix it.
 *****Note: Author Copy*****

1j

JMB 25-MAR-74 14:56 22480
 Ident subsystem in New NLS
 Message: The Show command in Ident subsystem wouldn't accept a
 squarebracketed ident search.
 I was just playing around with the new commands available; I
 realize this may not be fully implemented yet.
 *****Note: Author Copy*****

1k

JMB 21-MAR-74 21:29 22450
 On the Useroptions Control command
 Message: I think the Control Characters command in Useroptions
 should allow one to add more than one user-defined character for a
 function. That is, when I define "!" as a Ca character, <EOL> as
 Ca goes away. Why can't I have both (besides <control=d>)? In
 old NLS, I used to be able to have both (all three, or more,
 though I couldn't take away <control=d>).
 *****Note: Author Copy*****

11

DVN 20-MAR-74 20:21 22441
 Against Command Words in HELP, For more Views.
 Location: (JJOURNAL, 22441, 1:w)

1m

Items That Should be in the DIRT Subcollection

Comments: Responds to (jjournal,22242,)

1m1

KIRK 18-MAR-74 19:34 22424
 Problems with Help system: their causes and solutions
 Location: (JJOURNAL, 22424, 1;w)
 *****Note: * info-only * *****

1n

JMB 7-MAR-74 21:16 22357
 New DNLS==Null content in Set Name Delimiters command
 Message: DNLS==
 Set Name Delimiters command doesn't take <control=n> for null
 content either (reference to Useroptions Control command)!
 If it never will, please let me know. Thanks, Jeanne B.
 *****Note: Author Copy*****

1o

JMB 7-MAR-74 20:50 22356
 New DNLS==Useroptions Show command
 Location: (JJOURNAL, 22356, 1;w)
 *****Note: Author Copy*****

1p

JMB 7-MAR-74 20:44 22355
 New DNLS Useroptions Control command difficulty
 Message: New DNLS==Useroptions Control command;
 After "echo as", DNLS won't let me give null CONTENT. A
 <control=n> elicits a question mark and SPACE BACKSPACE is
 accepted, but when I follow wither one by a CA, it is taken as a
 BUG. Both should be taken as null content and be heard as an
 answer to T:, and continue to the next field (the Set Name
 Delimiters command works as I imagine this should).
 *****Note: Author Copy*****

1q

DCE 7-MAR-74 09:31 22241
 No, Address doesn't equal Link, cf 22236
 Location: (JJOURNAL, 22241, 1;w)

1r

KIRK 6-MAR-74 17:02 22236
 Address = Link
 Location: (JJOURNAL, 22236, 1;w)

1s

KEV 6-MAR-74 07:46 22233
 a major change to the file <NLS>SYNTAX
 Message: i have changed the rule text1 in syntax to no longer
 include the entity "LINK". i have fixed everything

Items That Should be in the DIRT Subcollection

appropriately in syntax, but if any other grammars exist that have copies of the common rules defined in the beginning of syntax, I am unaware of them and could not fix them accordingly

1t

DVN 4-MAR-74 19:55 22181
Not Much Time on the HELP Data Base
Location: (HJOURNAL, 22181, 1:w)
*****Note: how are you doing?*****

1u

JMB 1-MAR-74 21:52 22170
Please change spelling in <NLS>SYNTAX
Message: In CML, for the Useroptions subsystem, would you please change the spelling of the command=word "Hearald" to "Herald"?
Thanks
*****Note: Author Copy*****

1v

JMB 1-MAR-74 20:30 22169
Problems with the AE in New TNLS (the 2nd):
Message: The address element:
 w (jump to word)
takes me to the origin of my file from anywhere in that file. It does this also when I use a number before the w
Makes Transpose Word, or Insert, etc, very difficult to use in TNLS!
*****Note: Author Copy*****

1w

JMB 1-MAR-74 20:28 22168
Problems with the AE in New TNLS:
Location: (HJOURNAL, 22168, 1:w)
*****Note: Author Copy*****

1x

JMB 1-MAR-74 20:13 22167
New TNLS problem
Location: (HJOURNAL, 22167, 1:w)
*****Note: Author Copy*****

1y

KEV 28-FEB-74 19:41 22174
links in xnl
Location: (HJOURNAL, 22174, 1:w)

1z

KEV 28-FEB-74 19:41 22144
links in xnl

Items That Should be in the DIRT Subcollection

Location: (HJOURNAL, 22144, 1:w)

1a@

KIRK 26-FEB-74 16:32 22065

Some comments concerning the new dynamic addressing elements from a database building and document referencing point of view

Location: (HJOURNAL, 22065, 1:w)

1aa

JMB 23-FEB-74 14:50 22038

New TNLS suggestion

Message: Could you make <control-o> stop printing the list of alternatives which prints after '?' ? This would be a courtesy and encouragement to brand-new learners of TNLS, who have to type '?' often, especially at the command-reset level (In EDITOR that's a long list), and want to get on with it after they see the right thing.

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

1ab

JMB 19-FEB-74 22:14 21988

TNLS Insert problems

Location: (HJOURNAL, 21988, 1:w)

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

1ac

JMB 17-FEB-74 23:10 21976

In Help (To Kirk):

Location: (HJOURNAL, 21976, 1:w)

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

1ad

DVN 14-FEB-74 10:44 21904

Please Print the User Guide Again

Message: We have foolishly lost the originals from which we printed the TNLS User Guide. Marcia needs new ones. I think it would be easiest for you to do since I can't come in at night this week. Do you know the procedure for putting a name on a print file? If not it goes like this: When it asks whether to print or put in a name, put in an informative file name, e.g., <printer>ForMarcia.txt; Then copy that file name to LPT Let me know if you have problems...thanks.!

1ae

DVN 14-FEB-74 08:25 21901

HELP's Good Showing

Message: When we were linked yesterday I think I neglected to mention HELP's good showing. There was a lot of talk in the Mon-Tues review of how hard NLS is to learn etc, and of the more

Items That Should be in the DIRT Subcollection

general needs of the net and the MST for "technology transfer", Charles demonstrated the HELP system. He was running on a terminal with souped-up allocation of CPU and by the grace of the data spirits hit no holes. It ran very well and the visitors were quite impressed. "If we hadn't had it we would have been in trouble," quoth Charles. People seemed grateful for the work you and Kirk and Harvey and I etc had done.

1af

DVN 6-FEB-74 19:53 21821
 XNLS Documentation, What Little There is Now
 Location: (HJOURNAL, 21821, 1:w)
 *****Note: fyi*****

1ag

JMB 4-FEB-74 12:51 21783
 problems today (Feb 4) with X=TNLS
 Message: There seem to be some bad glitches in the recognition modes for new TNLS today (Feb 4):
 I couldn't get at the Protect command in Expert; I changed to Fixed and got a different list of commands if I typed a question mark right after the herald than if I typed a space and then ?, though I couldn't get to Protect at all in either case though it was listed. I then changed to Anticipatory--as soon as I typed a "p" I got "Playback" and could get neither Print nor Protect! I also could not get out of Anticipatory mode because I couldn't do "Set Recognition",....very frustrating.
 *****Note: Author Copy*****

1ah

JHB 1-FEB-74 15:39 21728
 Response to Susan's (21685,) and KIRKs (21700) Feedback.
 Message: There definitely needs to be some acknowledgement of any feedback received, although this is far more important for those who are not members of ARC. For my part, I would like to offer the FEEDBACK directory as place where all those who can get into the Utility could read all the feedback. The location in the file would indicate the status of their particular item. It still will be necessary to send one acknowledgement== this presently is the final disposition. The structure of the file may be seen at Office-1 in (feedback,feed,1:xbm). (I am writing it up, and will distribute it as soon as I can find my file again,...).

1ai

KIRK 31-JAN-74 15:21 21700
 Response to Susan's (21685,)
 Message: Your message asking whether NEWNLS stuff should be acknowledged is a good idea. It didn't mention the alternative of each user being able to easily find out what happened to his

Items That Should be in the DIRT Subcollection

suggestion by going to the NNLS file, so you should judge the responses you get accordingly. I think you know my feelings, but I'll restate them here for the record. I think it would be nice to be able to get a message telling me the status of each of my suggestions each step along it's way to implementation, rejection, or the limbo of contention. However, this expensive service (even if pared down to a minimum single message acknowledging receipt) should only be undertaken if enough of a person's time (10-50% ?) to do it right has been allocated by analysis, operations, development or whoever. Until this time has been made available, I think we should concentrate on making the feedback mechanism as accomodating as possible for someone to find what happened to their suggestion on their own.

1aj

SRL 30-JAN-74 12:58 21685
Should NEWNLS stuff be acknowledged?
Location: (GJOURNAL, 21685, 1:w)

1ak

Comments: I distributed this to those who have contributed and those who have an interest in this. Feel free to distribute it to anyone else.

1ak1

DVN 29-JAN-74 11:09 12879
Current Work Allocation and Responsibilities for the HELP Data Base
Location: (GJOURNAL, 12879, 1:w)

1al

DCW 28-JAN-74 14:30 21642
New Stuff in XNLS
Message: Two new features are now available in XNLS

USER-OPTIONS subsystem

The USEROPTIONS subsystem is now generally available to users of XNLS. This subsystem allows you to alter system standard settings for a wide variety of parameters. Your modified profile is maintained in a file (in your directory) and will live across NLS sessions.

TRY IT YOU'LL LIKE IT!!

SECONDARY recognition modes

If your Primary recognition mode is EXPERT you may now select the recognition mode invoked after typing the "escape" to secondary recognition mode character (SP). The significant difference is that in EXPERT EXPERT mode only secondary commands are recognized (and shown) after typing a space!

Bugs and Troubles to Smokey...

1am

Items That Should be in the DIRT Subcollection

KEY 28=JAN=74 00:41 21635

protect file command is alive and unwell in xnls

Message: the protect file command in xnls should be working!!
 with the following glitches however:

if you use the SET subcommand to ALLOW or FORBID
 options, it must be the last suboption specified

when using the SET subcommand at any level, it is
 currently not possible to bug a number due to bugs in cml!!
 have fun and let me know of any problems

1an

KEY 28=JAN=74 00:34 21634

protect file command in xnls

Message: i've changed the protection command so that rather than
 just typing in a number (when appropriate) you say "SET"!L1!
 "<to>" and then give a number

1ao

KEY 24=JAN=74 15:07 21603

xnls folklore

Message: the following commands are now implemented in xnls:

Insert Date

Insert Time and date

Show DISK space status

Also, the message indicating that an update is unnecessary is back

1ap

KEY 16=JAN=74 11:12 21430

xnls and file links

Message: all commands in XNLS (with the exception of GOTO PROGRAMS
 COMPILE FILE) should now (or after the next load) take file links
 as input rather than file names. It should not be necessary to
 enter the opening paranthesis or the closing comma and
 paranthesis. All new commands should be written to accept file
 links (e.g., LSEL("#FILELINK")) and not file names (e.g.,
 LSEL("#FILE")).

1aq

KEY 12=JAN=74 18:14 21373

xnls and file links

Message: i've changed all commands in the EDITOR and PROGRAMS
 subsystems (with the exception of COMPILE FILE) to take file links
 rather than file names. (e.g. load file now takes a filelink.)
 For the time being, it will be necessary to type in the opening
 paranthesis, the final comma, and the closing paranthesis for many
 of these commands. (otherwise you'll get the error message:
 illegal link). i will fix this soon as well as fixing the rest of
 the subsystems to use file links.

1ar

Items That Should be in the DIRT Subcollection

DVN 11-JAN-74 10:53 21366

More on Having to Type Option before Entering Addresses (response to ==21350,)

Message: My present usage is to type j a, bug the screen at random, and put in the off-screen address I long for. When a user types A to get the command term "Address" after "Jump", the system could generate an option character for her.

1as

DVN 8-JAN-74 15:54 18374

Quick Reference New DNLS for Old DNLS Users

Location: (GJOURNAL, 18374, 1:w)

1at

DVN 4-JAN-74 10:32 21286

Notice of DRAFT of HELP Welcomes

Message: Harvey,

I have drafted welcomes and most basic introductions for the HELP system. The welcome to follow <control-q> is in <documentation,help,backdoor>; the welcome to follow Goto HELP is in <documentation,help,frontdoor>; the message to respond to <control-q> in HELP is in <documentation,help,cue>.

1au

KIRK 29-DEC-73 13:08 21243

Show search algorithm for Help Database

Message: Harvey,

The search algorithm for the first word of a Show command in the Help database should be: "find any name", and not "find the first name". I understand that "find any name" is faster and searches in order by SID's (please tell me if I'm wrong). We, the database builders, will always make sure the SID's are ordered in such a way that "find any name" will always get the one we want. If the search does not work in this way, it may get the wrong statement.

1av

JMB 28-DEC-73 17:54 21238

HELP's readiness for demonstration; what I've done so far

Message: I have formatted links in the help database in the following:

Branch==documentation,help,lexicon>

Group==documentation,help,2a1> through <documentation,help,2a5>
except for plex==documentation,help,2a4d1>

(Dirk, please look at this plex and see what you intended when you wrote it)

==JMB

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

1aw

Items That Should be in the DIRT Subcollection

DVN 28-DEC-73 10:22 21229

How Ready is Documentation for the New NLS and What is Needed to Finish.

Location: (MJOURNAL, 21229, 1:w)

1ax

JMB 27-DEC-73 11:59 21217

Message: Kirk, can you add to your definition of "Link" (documentation,help,0742:w) what a link really IS, i.e., points to a location in some file with a particular view; especially important is that it can address ANY FILE. I need this to make a smooth transition from other concepts which call it. Thanks, Jeanne

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

1ay

KIRK 26-DEC-73 15:14 21200

Documentation Manual

Location: (MJOURNAL, 21200, 1:w)

1az

Comments: This is a snap-shot of the important conventions and step-by-step procedures currently used to develop the Help Database. For the latest version, see <documentation,help>.

1azi

JMB 26-DEC-73 12:45 21198

New TNLS suggestion

Message: In the TNLS LINEFEED command, can we have NLS echo something (like <LF>) to show what you've typed before it goes on to print the statement?

It would be useful for the TNLS user to be able to read his TNLS printout later and see what he did to get that result.

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

1be

JMB 26-DEC-73 12:41 21197

new tnls suggestion

Message: In TNLS, can we get Update File command to print the new filename?

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

1ba

JMB 26-DEC-73 12:38 21196

New TNLS suggestion and comment

Message: Requested grammar change in command feedback for TNLS Trim and Undelete commands:

Make it print, "Trimmed Files are: ..."
instead of, "Trimmed File are: ..."

Items That Should be in the DIRT Subcollection

and, "Undeleted Files are: ..."
 not, "Undeleted File are: ..."
 Incidentally, I really appreciate these lists being printed for
 these commands.

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

1bb

JMB 20-DEC-73 18:00 21149

New TNLS confusion

Message:

1. I did Show File Marker list==
and got the info for default directory
 2. I then marked a character
 3. I repeated Show File Marker list==
and it showed my marker correctly
 4. I deleted the marker
 5. I did Show File Marker list==
and it still shows my marker
- [I can't tell if it really deleted it because the jump to marker

DAE

element isn't working]

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

1bc

JMB 20-DEC-73 17:53 21148

Another DAE failure

Message: New TNLS does not recognize #marker
 in an address expression

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

1bd

JMB 20-DEC-73 17:52 21147

New TNLS error

Message: I get an error message when I try to Show Disk space:
 "Illegal String Designation"

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

1be

JMB 20-DEC-73 17:50 21146

New NLS suggestion

Message: In the new NLS the show file status command should print
 "Try an Update File Compact command to improve % used"
 instead of

"Try an Output File ..."

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

1bf

JMB 20-DEC-73 16:31 21145

New TNLS confusion

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Message: I was in TNLS in fixed recognition mode and assumed, wen prompted Y:/N:, that my input would be interpreted as any other command word in fixed mode, so I typed "no". It wouldn't take the "o" and didn't echo anything. Which way will Yes and No work when you fix them?

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

1bg

JMB 20-DEC-73 16:17 21144

New TNLS thing not working

Message: The TNLS address element for "jump to file return" == ,fr == was not understood. I had to reload the file,

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

1bh

JMB 18-DEC-73 11:08 20949

Suggested change in new TNLS

Message: The prompt after specifying "Print" in TNLS should be "OK/C;" and not "CA/C;" because you may actually end the command after Print with REPEAT or INSERT.

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

1bi

JMB 18-DEC-73 11:06 20948

Message: Same TNLS bug: Move Character asked me "L;" and waited instead of confirming the command as it should have at that point.

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

1bj

JMB 18-DEC-73 11:04 20947

New TNLS complaint

Message: Load File (in TNLS) will not take anything but a complete filename with extension and version (gives an archive message). Will you fix it soon to take altmode or stars?

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

1bk

JMB 17-DEC-73 11:34 20930

Bug in new TNLS

Message: 1. Copy Word asked me for a Level-adjust (L:!!!!

2. The insert visible command did the same thing.

Note: I used both of these in TNLS.

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

1bl

JMB 17-DEC-73 11:31 20929

new TNLS

Message: I like what Delete File does: ie, prints==

Items That Should be in the DIRT Subcollection

"Deleted Files are:

(beck, dodad,nls;1,) and its partial copy"

Good Work!

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

1bm

JMB 17-DEC-73 11:29 20928

New TNLS difficulty

Message: In TNLS, the Connect to Directory command prints the password I enter; isn't it supposed to be non-printing?

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

1bn

KIRK 14-DEC-73 18:14 20911

DB builders name and link meeting.

Location: (MJOURNAL, 20911, 1:w)

1bo

Comments: Please print out and read at least all (but the last two branches) of <Documentation, Manual,> before you do any editing in Help as it has been extensively revised and contains a lot of information necessary to keep from fucking up the names in the database.

1bo1

DVN 14-DEC-73 15:57 20908

Another Way to Cut Down on the Number of Times You have to Hit the Option Character

Message: Following the reasoning of (20895), since I normally jump to statemens on the screen with "jump to" and use "jump to item" only to reach offscreen statements, I would like to see address an alternative rather than an option following item,

1bp

KIRK 14-DEC-73 11:49 20901

Request for a new element in CML

Location: (MJOURNAL, 20901, 1:w)

1bq

Comments: This is one of a growing list of suggestions being compiled in <analysis,nls,>.

1bq1

DVN 14-DEC-73 09:20 20895

For Holding Options to the Minimum

Location: (MJOURNAL, 20895, 1:w)

1br

JMB 13-DEC-73 11:36 20879

XNLS complaint

Message: Jump to File Return locates me at a seemingly random

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address in the old file; can the old one be recreated exactly?

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

1bs

JMB 12=DEC=73 18:03 20868

Re Jump to Name==SUGGESTIONS

Message: (1)

In DNLS, Change prompt after Jump to Name from CA:/C: to B:/C: because your choice at that point is really between a Bug (which elsewhere is prompted B:) or one of the command-words Only, First, Next.

Also, I think the name read should be fed back immediately after you bug it (this is re choice Bug after Name)

(2) Jump to Name Only should be changed to Jump to Name Any if that's what it does when that name exists more than once in the file

--Jeanne B.

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

1bt

JMB 12=DEC=73 16:23 20864

Re Append command

Message: Append command;

Could we have some noise word to indicate what is wanted when the prompt (in DNLS) T:/B:/[A] appears (the second time) expecting an LSEL of the stuff to insert between the appendees.

At one point in a scenario, when the prompt is B:/[A], the feedback line shows "Append Statement at to"; then you give your bug, then the prompt changes to T:/B:/[A] but the feedback line still holds at "Append Statement at to". This could be made more clear. At this point I understood that typing <control-n> would be available as an alternative to SP BC. If this is still what's planned (it's what I've documented), it would be nice to have a noise word like:

"insert between (type <control-n> for null typein)"
or something shorter if necessary, appear when ready for the LSEL.
Thanks, Jeanne B.

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

1bu

JMB 12=DEC=73 12:09 20857

Comment on links

Message: XNLS would not jump to link in one of my files; I changed their delimiters from anglebrackets to parentheses and then they worked. Comment: If there is a direct relationship here, it implies that I have to changes scores of links in many files. Surely this is not true!!??!

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

1bv

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JMB 3-DEC-73 10:31 20681
 Updating SYNTAX, FUNCTION & EXAMPLE branches of HELP
 Location: (IJOURNAL, 20681, 1:w)
 *****Note: Author Copy*****

1bw

JMB 2-DEC-73 12:18 20670
 Re (,20650)--Names in the HELP syntax branch
 Message: Good idea, let's consider it when we go through HELP to
 build links and change names when necessary, ok?.....by the way,
 we should be making plans for that project--like when to get
 together, etc. --Jeanne
 *****Note: Author Copy*****

1bx

DVN 23-NOV-73 17:02 20453
 Meeting on Changes in the New Command Language, Prompts and
 Location: (IJOURNAL,20453,1:w)

1by

KIRK 23-NOV-73 11:17 20449
 Connecting to a directory in NLS
 Message: Connecting to a directory requires a CA followed by <"U"
 in order to specify a password (instead of just <SP> as in Tenex).
 If Tenex-like syntax cannot be used, why can't the password be an
 alternative field without requiring <"U"? The command could be:
 ,Connect (to) Directory USERNAME CA (Password) <PASSWORD OK / OK>.

1bz

CFD 21-NOV-73 17:07 20438
 Updated CML documentation
 Location: (IJOURNAL,20438,1:w)

1c@

KIRK 20-NOV-73 20:14 20425
 Typing capital viewspecs from the Mouse and Keyset,
 Message: Use the two rightmost buttons on the mouse to input
 capital viewspecs. Currently characters input while holding down
 these two buttons are undefined. In the new system, in order to
 input a capital viewspec from the keyset and mouse, one must type
 at the least "<SP>sev" (four characters). A hassle compared to
 the old system where just "v" was necessary.

1ca

JMB 20-NOV-73 11:13 20394
 Meeting tomorrow (Wed) on <userguides,changes,>
 Message: Meeting Wednesday at 10 am in the Conference Room of DIRT
 members and everyone else interested to discuss the file
 <userguides,changes,>. That is, we will discuss proposed changes

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to, and other discrepancies & observations on, the new command language.

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

1cb

KIRK 18=NOV=73 13:56 20359

Request for a change in implementation of viewspec b, Message: Viewspec b (add one level) when used while viewspec c is in effect (ALL levels), should work as viewspecs eb (current level plus one more) instead of resulting in 0 levels. I thought this was a bug in the old command language that would not be carried over in the new command language. Some bugs with viewspec e and 0 levels were fixed. How about changing this as well? If someone ever really wanted 0 levels, they could get there with viewspecs da,

1cc

Comments: For a list of observations about the new command language, see <userguides,changes,1;eb>

1cc1

KIRK 15=NOV=73 09:36 20300

Double command accept convention should be maintained Location: (IJOURNAL, 20300, 1:w)

1cd

Comments: This is an observation while using the new command language. The current list of observations is in <userguides,changes,>. Please feel free to add your observations to this file.

1cd1

DVN 12=NOV=73 20:58 20187

Where should the CM go in TNLS? Reply to JHB's (IJOURNAL, 20176, 1:w)

Location: (IJOURNAL, 20187, 1:w)

1ce

DCE 9=NOV=73 13:26 20145

Don't use 'keyword' to refer to a Command Term Location: (IJOURNAL, 20145, 1:w)

1cf

KIRK 9=NOV=73 08:43 20132

Addendum to (20121,) NOUN=TYPE keywords should allow adverbs and adjectives.

Location: (IJOURNAL, 20132, 1:w)

1cg

Comments: <userguides,changes,1> contains the current list of proposed changes in the new command language.

1cg1

Items That Should be in the DIRT Subcollection

KIRK8-NOV-73 17:12 20121

NOUN=TYPE keywords should allow adverbs and adjectives where it saves typing.

Location: (IJOURNAL, 20121, 1:w)

1ch

KEV 8-NOV-73 12:36 20115

modifications and additions to the new command language

Location: (IJOURNAL, 20115, 1:w)

1ci

DVN 8-NOV-73 10:25 20103

What Repeat Will Do; For Prompts N: I: and F:

Location: (IJOURNAL, 20103, 1:w)

1cj

KIRK 5-NOV-73 16:42 20055

LEVEL=ADJUST, a painful option.

Location: (IJOURNAL, 20055, 1:w)

1ck

Comments: The definition for LEVEL=ADJUST in the new command language that I proposed in 20024 was as unclear as the original. This document contains what I meant to say. For a current list of observations, questions, and desired changes discovered while using the new command parser, see <userguides,changes,1:wym>.

1ck1

JMB 4-NOV-73 14:47 20041

Copy commands (20021,)

Message: Kirk, I moved my citation for (20021,) on Copy commands to the file <userguides, changes, 3b>. I have to document those copy commands as they now are shown in SYNTAX; when dean and dirk and I are through working separately on syntax, examples, and function branches, we can check how it really has been implemented and change all three references to it. Until then it will sit in Changes as a reminder. Thank you for calling it to my attention, --Jeanne

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

1cl

JMB 4-NOV-73 14:38 20040

On LEVEL=ADJUST (20024,)

Message: Re (IJOURNAL, 20024,), LEVEL=ADJUST does not require an extra Command Accept when followed by CONFIRM, or so the programmers promised us. As for other changes to make it optional entirely, let's talk about it. --Jeanne

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

1cm

Items That Should be in the DIRT Subcollection

KIRK 3-NOV-73 10:10 20032

Update to Request for changing the definition of LEVEL=ADJUST
 Message: 20024 below refers to the Command language in the
 experimental system

1cn

KIRK 2-NOV-73 17:47 20024

Request for changing the definition of LEVEL=ADJUST
 Location: (LJOURNAL, 20024, 1:w)

1co

JMB 30-OCT-73 15:51 19970

Message: Dirk, today I changed the Append (userguides,help,0475)
 and Archive (userguides,help,039) [this is "yours"] branches under
 FUNCTION to be sort of prototypes to see if Kirk, you, & I are
 building the function branches similarly. Take a look and see
 what you think. Use the command Execute Name delimiters Display
 to see what delimiters are defined and thus which statements will
 be named. [Kirk and I ran Dean's CHNAME program for names but we
 will have to go through to redefine and change delimiters for
 those statements where we want the colon after second or third
 word.] -Jeanne

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

1cp

DVN 22-OCT-73 10:12 19816

Documentation Review

Location: (LJOURNAL, 19816, 1:w)

1cq

DVN 21-OCT-73 17:04 19795

Alternative DRAFT of ARC Primer with Examples Spread

Location: (LJOURNAL, 19795, 1:w)

*****Note: fFor Your Information*****

1cr

JMB 19-OCT-73 15:59 19780

More re <userguides,help,EXAMPLE>

Location: (LJOURNAL, 19780, 1:w)

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

1cs

JMB 18-OCT-73 17:37 19754

Keeping the EXAMPLE section of Help and the command summary
 current

Location: (LJOURNAL, 19754, 1:w)

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

1ct

Items That Should be in the DIRT Subcollection

KIRK16-OCT-73 17:09 19731
 Decisions in the help database for Oct 16
 Location: (LJOURNAL, 19731, 1:w)

1cu

KIRK15-OCT-73 15:40 19675
 Structural Position of Lexicon in Help Database
 Message: I suggest that the lexicon be moved to branch one of the
 database so that it can be structured and still be searched first.

1cv

DVN 15-OCT-73 09:48 19671
 Miscellaneous Items of Help Design; Work Breakdown for Writing
 About the New Command Language for the Next Few Weeks
 Location: (LJOURNAL, 19671, 1:w)

1cw

DVN 15-OCT-73 09:05 19669
 Revised Q-Card
 Message: Dean, another thing for you to do is revise the Q-card,
 we should have it ready for people who start using the new
 language, but we can't complete it until we have a running system
 to debug against.
 *****Note: fyi*****

1cx

JMB 14-OCT-73 16:32 19652

Message: (Sunday) Dirk,
 Is it true that, in the Command Summary, you & Chuck decided to
 use TYPEIN rather than CONTENT for "directory", as you told me you
 meant fr "file"? I am revising the document with this
 assumption.--Jeanne
 *****Note: Author Copy*****

1cy

DVN 12-OCT-73 17:20 19639
 Fixed Recognition, Prompts, and Herald in the Revised Command
 Language,
 Location: (LJOURNAL, 19639, 1:w)

1cz

MDK 12-OCT-73 09:59 19634
 HELP Database Design
 Location: (LJOURNAL, 19634, 1:w)

1d@

Comments: This document describes the overall structure of the
 HELP database, as agreed to by the DIRT group on 11-OCT-73,

1d@1

Items That Should be in the DIRT Subcollection

JMB 11-OCT-73 18:07 19626

help database examples ready for you

Message: Dean, there is a branch "EXAMPLE" in <userguides>help where I've put the examples we have so far in editor and programs, or you to work on. Will put in those we have for help & journal subsystems soon. (I see that many of the commands have changed since we wrote examples--and I will update the command summary to include those changes Chuck is currently making as I can). The organization of the branch EXAMPLE is pretty much as we envision its final form. Anything I can help with call me,--Jeanne B,
 *****Note: Author Copy*****

1dc

HGL 11-OCT-73 17:22 19624

New Description of Help Version of Query

Location: (LJOURNAL, 19624, 1:w)

1db

Comments: This supercedes (19493,). A supplement will describe proposed expansions for Help (which concern links in nodes) and the first implementation of Query (which will have additional user commands available permitting multifile querying of assorted system and user databases.)

1db1

DVN 9-OCT-73 15:38 19587

Miscellaneous Notes on HELP System Design Meetins 10/4 and 10/9

Location: (KJOURNAL, 19587, 1:w)

1dc

JHB 8-OCT-73 14:12 19550

A comment about the new command language

Location: (KJOURNAL, 19550, 1:w)

1dd

KIRK 7-OCT-73 22:39 19545

Proposed software capabilities and database structure for HELP query

Location: (KJOURNAL, 19545, 1:w)

1de

HGL KIRK 3-OCT-73 19:46 19493

Some software features for Query and the HELP subsystem,

Location: (KJOURNAL, 19493, 1:w)

1df

JMB 3-OCT-73 17:28 19489

Addendum to (JJOURNAL,19424,) for NDM--The definitions we're using in HELP of the acronyms to be copied into (userguides,commands,); globals in introductory section and locals with individual

Items That Should be in the DIRT Subcollection

commands

Location: (KJOURNAL, 19489, 1:w)

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

1dg

Comments: We might want to make them more concise (while including the same info) for the syntax document, but these were what Dirk approved for the HELP file, and as I understood it, he thought they should be copied into the summary,

1dgi

MDK 3=OCT=73 08:53 19433

Requirements for Help

Location: (KJOURNAL, 19433, 1:w)

1dh

Comments: This document defines requirements for the NLS on-line HELP system, as drafted by RWW, DSK, MDK, DVN on 27=September=73,

1dhi

KIRK 2=OCT=73 19:39 19428

HELP Query ==Implementation Suggestions

Location: (KJOURNAL, 19428, 1:w)

1di

Comments: These suggestions address particular requirements as listed in <KUDLICK>REMNTS(2).NLS;7. After most suggestions, statement numbers of the related requirements are listed,

1dii

(Space)

1dj

RWW 1=OCT=73 09:26 19380

Answering Questions with <Space>

Message: I notice an inconsistency in the use of space when answering question in present commands. In the Journal space means NO and in other places it means YES. Are there other cases like this? Will the problem go away with the new command language?

*****Note: (Secondary Distribution Copy)*****

1dji

JMB 21=SEP=73 13:50 19252

More on SPACE

Location: (JJOURNAL, 19252, 1:w)

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

1dj2

MDK 20=SEP=73 18:20 19169

on representing spaces that are to be typed

Items That Should be in the DIRT Subcollection

Location: (JJOURNAL, 19169, 1:w)

1dj3

DVN 20-SEP-73 17:01 19166

Followup on Space War

Message: <jjournal,19147> was delayed in delivery until this afternoon, so don't feel obliged to reply, if you plan to reply, until Monday,

1dj4

HGL 20-SEP-73 16:06 19161

<SPACE>'d Out

Message: I'm for angle brackets around spaces. Literal spaces are useful for separating entities in syntax equations for style (without confusion, I hope.) It is too difficult to otherwise tell that a literal space is required to be typed in. Also, the convention chosen should be consistent with that for other non-printing characters,

1dj5

JAKE 20-SEP-73 15:47 19157

Don't shoot if you see the white's of their spaces,

Message: Dirk et al

My preference for specifying that the user type a space is <SP>. This is quite similar to the SP we have been using but is easier for the user to understand. I have had questions from user's on the network using documentation where a space is designated by " ". Since many writers simply use a typed space to make the words clearer, the user is never sure whether a space is truly needed or not. When he follows all the syntax except for typing the " ", he cannot understand why nothing happens and tends to think there is a system problem,

1dj6

DVN 19-SEP-73 11:26 19147

Blanks or Brackets

Location: (JJOURNAL, 19147, 1:w)

1dj7

DVN CFD 28-SEP-73 17:11 19369

Proposed Changes in Prompts, Name of Viewchange, Insert Sequential, Command Feedback,

Location: (JJOURNAL, 19369, 1:w)

1dk

DVN 26-SEP-73 21:56 19333

DIRT Minutes of September 26: Space, Simple Syntax, Review of Design Requirements, with References

Items That Should be in the DIRT Subcollection

Location: (JJOURNAL, 19333, 1:w)

1dl

DVN 26=SEP=73 21:37 19332
Updating Dean Meyer on DIRT Meeting, Tasks.
Location: (JJOURNAL, 19332, 1:w)
*****Note: fyi*****

1dm

JMB 26=SEP=73 15:11 19320
where HELP is at
Message: Dean==it seems like the people who've started Help
requirements and design teams are going to try and get their
redesign thing done within a few days. It's still in higher-level
questions stahhe, not structure and link capabilities questions
yet. Still cn't tell how much rewriting may have to be done.
See==kudlick, remnts,) for what they've dne so far. We're going
ahead ith concept writing because definitions themselves will
still be usable. I haven't done anything with (userguides,
commands,) since you left here, but that's next on the to do list.
They seemed to go along with the way you started to reorganize it
(full & simple) except they don't want the stars in there or any
notation for expert mode==so I added the list of no-space commands
to the definition you wrote for expert mode. =Jeanne
*****Note: Author Copy*****

1dn

KIRK 24=SEP=73 20:20 19279
HELP Query. Disadvantages and possibilities.
Location: (JJOURNAL, 19279, 1:w)

1do

DVN 21=SEP=73 17:32 19255
Meeting To Consider Outstanding Problems; a Guess at How Long IT
Will Take Us To Finish
Location: (JJOURNAL, 19255, 1:w)

1dp

JMB 21=SEP=73 17:00 19254

Message: Kirk, please don't Output File the HELP file anymore; it
changes the SIDs on me. Thanks, JMB
*****Note: Author Copy*****

1dq

DSK 20=SEP=73 16:03 19160
A Short Summary of Query Features for Help
Location: (JJOURNAL, 19160, 1:w)

1dr

Items That Should be in the DIRT Subcollection

Comments: for general information - feedback requested only if
HELP data base writers discover additional specific needs,

1dr1

MDK 17=SEP=73 16:07 19114
HELP System Data Base Decisions of 14 Sept 73
Location: (JJOURNAL, 19114, 1:w)

1ds

Comments: A summary of the meeting attended by DVN NDM JMB KIRK
MDK,

1ds1

&DIRT 13=SEP=73 15:11 19065
DIRT Minutes for Meeting to discuss changes in proposed command
language,
Location: (JJOURNAL, 19065, 1:w)

1dt

DVN 13=SEP=73 13:30 19062
An Introduction to the Current Status of the Help Data Base
Location: (JJOURNAL, 19062, 1:w)

1du

CFD 12=SEP=73 15:33 19004
Command language meeting report: Sept. 12
Location: (JJOURNAL, 19004, 1:w)

1dv

NDM 12=SEP=73 08:59 18998
New L10 Users' Guide
Message: A new SRI=ARC L10 Users' Guide is available. It is
intended for beginning and intermediate L10 programmers. The
on-line copy is (userguides,l10=guide,). Hard copy will be
available next week from the NIC. A copy has been journalized as
(jjournal,18969,). Direct questions and comments to Dean Meyer
(NDM) at SRI=ARC,

1dw

MDK 10=SEP=73 16:38 18978
More on NLS Command Language Syntax for HELP Users
Location: (JJOURNAL,18978,1:w)

1dx

Comments: This responds to Dean Meyer's note (18826,) in which
he correctly pointed out some deficiencies in my earlier note
(18818,). In the present note, it is recommended that we not
use the SSEL concept, and I suggest that we discuss this at (or
after) CFD's meeting on the command language ambiguity he
discovered,

1dx1

Items That Should be in the DIRT Subcollection

CFD 10=SEP=73 16:26 18977

Meeting to resolve command language problems

1dy

A meeting to discuss and resolve existing problems in the proposed command language will be held on Wed, Sept. 12 at 10:00 AM. Sorry for the short notice, but we'd like to resolve the known problems ASAP.

1dy1

CFD 9=SEP=73 09:28 18954

A Problem with the Proposed Command Language

Location: (JJOURNAL, 18954, 1:w)

1dz

Comments: A fairly serious problem has been uncovered regarding the new command language. Your prompt attention to the problem and help in reaching a solution will be appreciated.

1dz1

HGL 6=SEP=73 11:50 18832

On Dirk's Help Data Base Assumptions (18733,)

Location: (JJOURNAL, 18832, 1:w)

1ee

HGL 6=SEP=73 09:48 18828

On the Help DB Syntax Suggestions: See (18817,), (18818,) and (18826,)

Location: (JJOURNAL, 18828, 1:w)

1ea

MDK 5=SEP=73 11:48 18818

NLS Command Language Syntax for HELP System

Location: (MJOURNAL, 18818, 1:w)

1eb

Comments: Would appreciate your comments, criticisms, etc.

1eb1

DVN 5=SEP=73 11:43 18817

More Recognizable Acronyms

Location: (MJOURNAL, 18817, 1:w)

1ec

DVN 31=AUG=73 17:36 18795

Where to Expect Opinions of Organization of HELP

Message: Mike Kudlick is interested in the final organization of the data base in <userguides>help. He will come and talk with you about it. Keep up the good work.

1ed

Items That Should be in the DIRT Subcollection

DVN 31-AUG-73 17:22 18793

Where You Can Find My Contribution to the Planned Syntax Changes
 Message: You can find my contribution to the syntax changes in
 <vanNouhuys,acronym,>

*****Note: fyi*****

1ee

DVN 30-AUG-73 17:48 18733

Current Assumptions and Progress of Writing the HELP Data Base
 Location: (MJOURNAL, 18733, 1:w)

1ef

DVN 28-AUG-73 21:13 18700

Current State of HELP Data Base
 Location: (MJOURNAL, 18700, 1:w)

*****Note: for your information*****

1eg

Comments: This responds to (18681,) which cites references,

1eg1

DVN 21-AUG-73 09:55 18526

More Recognizable Acronyms Would Make Syntax Easier to Follow
 Location: (MJOURNAL, 18526, 1:w)

1eh

&DIRT 20-AUG-73 20:37 18519

DIRT minutes--20 Aug 73

Location: (MJOURNAL, 18519, 1:w)

1ei

HGL 15-AUG-73 13:03 18468

Initial Query/Help System: Draft
 Location: (MJOURNAL, 18468, 1:w)

1ej

NDM CHI CFD 14-AUG-73 15:24 18408

Proposed Changes in the NLS Command Language

Location: (MJOURNAL, 18408, 1:w)

*****Note: seminar to be held soon*****

1ek

Comments: Your comments are requested,

1ek1

KIRK 10-AUG-73 15:01 18365

My impressions of the DIRT meetings

Location: (MJOURNAL, 18365, 1:w)

1el

Comments: Please disregard 18361,

1el1

Items That Should be in the DIRT Subcollection

NDM 10-AUG-73 14:15 18363
 Appendix to (18344,)
 Location: (MJOURNAL, 18363, 1:w) 1em

&DIRT 9-AUG-73 17:45 18344
 Meeting DIRT 9 Aug 73: HELP data=base Conventions
 Location: (MJOURNAL, 18344, 1:w) 1en

DVN 8-AUG-73 21:19 18329
 Documentation Instigation and Review Team Meeting of August 8
 Location: (MJOURNAL, 18329, 1:w) 1eo

&DIRT 7-AUG-73 17:47 18294
 Minutes of the Documentation Instigation and Review Team
 7-JULY-1973
 Location: (MJOURNAL, 18294, 1:w) 1ep

DSK 6-AUG-73 11:40 18222
 HELP System Data Base Plans
 Location: (MJOURNAL, 18222, 1:w) 1eq

Comments: Please consider this in your 7-AUG meeting! 1eq1

DVN 6-AUG-73 10:12 18221
 Tentative Organization and Assignment of Commands for Writing Help
 Data Base
 Location: (MJOURNAL, 18221, 1:w) 1er

DVN 3-AUG-73 17:29 18210
 Call to Begin Work on Command Language Documentation Revision
 Location: (MJOURNAL, 18210, 1:w) 1es

Items That Should be in the DIRT Subcollection

(J22716) 12-APR-74 13:24; Title: Author(s): Jeanne M. Beck, Dirk H. Van Nieuhuys/JMB DVN; Distribution: /&DIRT; Sub-Collections: SRI=ARC
DIRT; Clerk: DVN;

Jeannie Beck Could be at a Friday HELP Meeting

If the meeting on HELP were Friday the 19th Jeanne Beck could be there. In addition to her other interests, she is, to my knowledge, the only serious user of XTNLS who was not involved in programming it.

1

Jeannie Beck Could be at a Friday HELP Meeting

(J22717) 12=APR=74 13:39; Title: Author(s): Dirk H. Van
Nouhuys/DVN; Distribution: /DIRT; Sub=Collections: SRI=ARC DIRT; Clerk:
DVN;

The Minimum Set of Files Necessary for NIC and ARC Journal Catalog
Runs

21-MAR-74 1111-PDT HARDEMAN: Catalog File Sizes
Distribution: VANNOUHUYS, Hardeman
Received at: 21-MAR-74 11:11:14

1

DIRK, THE FOLLOWING REPRESENTS THE MINIMUM SET OF FILES REQUIRED
FOR
SUCCESSFUL NICJ AND ARCJ RUNS AT OFFICE-1. THE SET MAY HAVE TO BE
EXPNDEN DEPENDING OF WHERE AND HOW THE SOURCE FILE IS CONSTRUCTED.
THE
BELOW ASSUMES IT WAS CREATED OVER HERE AND PASSED OVER THERE TO BE
PROCESSED.

FILE	SIZE
APROGS	21
ARCJPROGS	6
CPPPROG.REL	16
CPPPROG.NLS	36
CPPTABLES	44
JPROGS	18
KEYPROGS	5
NICJPROGS	5
NPROGS	10
TPROGS	38
UNKEY	1
UPTABLES	4

==
204

SOURCE FILE +

1a

The Minimum Set of Files Necessary for NIC and ARC Journal Catalog
Runs

(J22718) 12-APR-74 14:16; Title: Author(s): Beauregard A.
Hardeman/BAH; Distribution: /&DPCS JCN JBN MEJ; Sub-Collections: SRI=ARC
DPCS; Clerk: DVN;

Fist Trial XCOM of JOVIAL Manual

5-APR-74 1411-PDT CARRIER at OFFICE-1: COMTEST for JOVIAL Manual
Distribution: VANNOUHUYS, meyer, meyer at SRI=ARC, vannouhuys,
norton

Received at: 5-APR-74 14:13:07

1

I have a file....contained in <carrier>comtest with directives for com in it. I was going to try to make it a thing o beauty, but time is running out, and since it will be used primarily as a demonstration to Nelson of diferent fonts and sizes, I haven't bothered with page breaks etc....let them fall where ttthey may for the time being.

In doing XCOM, use viewspec D, otherwise use default viewspecs. I have included a couple of copies of the equations, since the question of coppyping them into the body of the text hasn't been resolved in my mind yet. I want to see how bad/easy it is to get them formatted correctly. I will leave it up to you guys to send the file to DDSI, unless you think it needs major modifications. There are only a few pages of Glossary that remain to be inputted...all 11 chapters and the equations have been input and edited by bobbie, me and the newword program. They are currently being edited by one of Nelsons guys, after which any last minute changes will be made and then comes the production job. There is a second subsetting manual, which contains descriptions of three subsets of JOVIAL. Its 707 pages long, but appears that there is about a 90% overlap in text and equations. Some judicious copying should allow us to produce that one in "short order".

Good luck....let me know how you make out.

1a

Fist Trial XCOM of JOVIAL Manual

(J22719) 12-APR-74 14:32; Title: Author(s): Duane L. Stone/DLS;
Distribution: /&DPCS; Sub=Collections: RADC DPCS; Clerk: DVN;

Calendar system: some thoughts

reference (22670,)

Calendar system: some thoughts

(calendar) design of cal system for NLS 1

list of possible capabilities for such a system, 1a

will permit any date to be specified 1a1

dates can be specified by month and day or by day of week
plus relative number of days or weeks 1a1a

should allow days several years from now as well as keeping
record of previous years 1a1b

automatic reminders of todays activities 1a2

automatic reminders of future events to prepare for, 1a3

automatic erasure of certain items on the calendar 1a4

erasure can occur after some specified time has elapsed from
the event, 1a4a

possibly, can have several classes of messages 1a5

for example, meeting, events (birthdays,etc.), todo lists,
due dates(for reports, proposals, project completion,etc.),
holidays (Vacation, legal holidays, SRI holidays), notes (on
what happened) 1a5a

each class can be independently erased 1a5b

each class can independently be updated, displayed 1a5c

the to do list and the note capability can be an extensive
facility in that it might be used as a diary or initial file
for writing notes 1a5d

The main objective would be to have a system that does not present
a complicated, fancy facility that takes a major effort to
understand and to use, 1b

I have included above a sizable list of items. Not all I think
should be included (at least initially) and some need much
thought or much work to implement, take it only as a list to chop
up, 1c

I will think more on it when I have more time. Please keep me
posted, 1d

Calendar system: some thoughts

(J22720) 12=APR=74 14:43; Title: Author(s): Robert N. Lieberman/RLL;
Distribution: /SRL PR; Sub=Collections: SRI=ARC; Clerk: RLL;

first draft of contact template

please, cut it up, add to it, rearrange it and send your thoughts to me (RLL). Thanks

first draft of contact template

Uppercase are permanent; lowercase describes what should be inserted in its place; slash means 'or'; text beginning with uppercase letter is descriptive and not to be replaced; use r[replace] v[isible] command for most items.

(lastname) (organization=acronym)	1
(FULLNAME) fullname	2
(CODE) organization=code	2a
(ORGANIZATION) fullname=of=organization	2b
full=address	2c
(PHONE) phone=number	2c1
(REFERRED-BY) name=or=organization=or=meeting	2d
(DATE) date=of=reference	2e
(CONTACTS)	2e1
(DATE) date	2f
(BY) name=of=contactor	2f1
(MEDIUM) PHONE/LETTER/COMPUTER/CONFERENCE/FACE=TO=FACE	2f1a
(REMARKS)	2f1b
(CONFERENCES)	2f1c
(ONR=SEMINAR) YES/NO	2g
(DIALOG) Links to relevant online dialog	2g1
d=m=74: link	2h
(DL@TLDLTP(H'pd 'lpx fhvdn 'nd rdbdhvdd	2h1
(GIVEN) Documents and date given	2i
d=m=74: document	2i1
(RECEIVED) Documents and date received	2i1a
d=m=74: document	2i2
	2i2a

first draft of contact template

(OTHER=INFO)

2j

(POSITION) job=title

2j1

(PROJECT) project=or=field-of-responsibility

2j2

(BOSS) name

2j3

(NOTES)

2k

d-m-74: note

2k1

first draft of contact template

(J22721) 12-APR-74 15:29; Title: Author(s): Robert N. Lieberman/RLL;
Distribution: /JCN DCE RWW PR NDM JHB; Sub-Collections: SRI=ARC; Clerk:
RLL;

Some thoughts about word processing and the future uses of NLS

Duplicate of (22669,)

Some thoughts about word processing and the future uses of NLS

Some thoughts about word processing and the future uses of NLS

It seems some thought should be given to how a future office automation device (MST) can be better in some way than commercially available text editors and word processing units from such companies as IBM.

My first thought was that there are many groups such as the IPT office that simply don't have the volume of work to warrant the introduction of a word processing center.

Of course ARPA could, as an organization, do away with secretaries for each office and move towards the word processing center concept. But for any number of reasons, such as privacy, a need for autonomy, or job priority they might choose against such a change.

The question then is what do they really need in terms of office automation for that size office and then, can we provide such service either cheaper or better than existing word processing equipment.

I get the impression that before a word processing center would be cost-effective, a high volume of typing must exist. I don't believe offices the size we are dealing with have this volume. Therefore, for a product to be of value, it must be an aid in various typing jobs as well as an aid in other secretarial jobs such as the administration of normal internal operations (calendar, checklists, budget, etc.) or filing, logging, and retrieving information.

There is little doubt in my mind that an NLS or NLS-like system would be an aid in typing jobs. The main reason being the advantage of not having to retype after corrections. This advantage, however, is common to both NLS and other text editors. A possible point of difference, then, would be the ease of editing. Little has been done in the way of exploring other advantages of NLS specifically in the area of secretarial applications.

A possible role for Analysis at this point could be to determine a subset of NLS knowledge which is needed in order to perform standard typing tasks. Secondly, Analysis should identify other areas of a secretary's job which can be made easier through the use of NLS or some subset of NLS, determine the optimal methods for accomplishing these tasks and push for development of needed features (calendar, additional user=programs, etc.).

Some thoughts about word processing and the future uses of NLS

(J22722) 12=APR=74 16:00; Title: Author(s): Susan R. Lee/SRL;
Sub=Collections: DPCS ; Clerk: SRL;
Origin: <LEE>WP,NLS;4, 12=APR=74 15:57 SRL ;

Line Processors, availability.

LINE PROCESSORS, availability.

1

CONTENTS:

- 1) STATUS = how it is going
- 2) TIME=SCHEDULE = 9 Line Processor Workstations
- 3) TENTATIVE=LIST = who will get them, and when

1a

Line Processors, availability,

(STATUS)

2

As most of you know, several months ago we decided it was necessary to design the Line Processor device to allow operating NLS from a remote location using a low-cost display and Mouse and Keyset.

2a

At that time it was also decided that in order for the Line Processor to be cost-effective, (Allowing configuring a NLS Workstation for about \$6,000.), we would have to construct a "product model", complete with documentation and artwork, that could be taken to a manufacturer and copied -- without add-on engineering charges.

2b

During the design phase we constructed two Line Processors. And at that time determined it would be necessary, because of office-1, to have Line Processors available very soon after the "product model" was completed. Hence, also at that time, we made an arrangement with Cybernex Corporation of Palo Alto to assemble five as soon as the "product model" was completed. In this arrangement we will pay Cybernex a fixed labor charge per unit and provide them with all parts. To accomplish this, a holding account has been set-up to accumulate charges. When assembly is complete, we will charge the projects that receive these Line Processors.

2c

In addition to these five we are constructing two additional units, totaling nine Line Processors. -- Of which two are operational and in use, two more are expected to be operational by April 28, and the remainder by May 28, see (TIME=SCHEDULE). The allocation of these nine is being coordinated by Jim Norton, see (TENTATIVE=LIST), and all correspondence concerning allocation should be directed to him.

2d

April 28 is now the projected date we expect to have the "product model" completed. At that time we expect Cybernex will be able to quote duplication costs and delivery dates. Because of anticipated delays to receive parts, we anticipate it will take approximately two months to receive Line Processors from Cybernex. This means then, that the earliest a Line Processor can expected (purchased directly from Cybernex) is June 28. This is all speculation of course; exact delivery dates from Cybernex will have to come from Cybernex.

2e

I recommend that any one anticipating the need for a Line Processor in June, other than one of the nine, should contact Cybernex now and perhaps give them a letter of intent so they can order parts early. If this were done Cybernex might be able to deliver the early part of June, instead of late.

2f

Line Processors, availability.

(TIME=SCHEDULE):

3

	MAR 28	APR 28	MAY 28	JUN 28	JUL 28

LINE-PROCESSOR	2	2	5		

DISPLAY	4		5		

MOUSE/KEYSET	4		5		

3a

3b

	MAR 28	APR 28	MAY 28	JUN 28	JUL 28
TOTAL					
WORKSTATIONS	2	4	9		

3c

Line Processors, availability.

(TENTATIVE=LIST):

4

	Who	How Many	When.
	-----	-----	-----
1)	DEIS, EPAC=West	-- 1	MAR 28
2)	NMRO	-- 1	APR 15
3)	DEIS, EPAC=East	-- 1	APR 28
4)	SRI=ARC	-- 1	APR 28
5)	Utility	-- 1	MAY 28
6)	M.I.T. Lincoln=Lab, Siesmic=group	-- 1	MAY 28
7)	ARPA, IPT=Office	-- 1	MAY 28
8)	SRI=ARC	-- 1	MAY 28
9)	SRI=ARC	-- 1	MAY 28
		-----	-----
		9	

4a

Line Processors, availability,

(J22723) 12-APR-74 17:39; Title: Author(s): Martin E. Hardy/MEH;
Distribution: /SRI-ARC; Sub-Collections: SRI-ARC; Clerk: MEH;
Origin: <HARDY>LP=SCH,NLS;27, 9-APR-74 09:47 MEH ;

Line Processor, a LP workstation at ARPA.

LINE PROCESSOR NLS AT ARPA

RODNEY'S TRIP:

Rodney has run LP=NLS at ARPA. He uncovered several problems, of which he has corrected all but one:

TIP INPUT BUFFER SIZE

1) We had BBN assemble the tip with the wrong input buffer size, (Dean is also having a problem because of this),

It can only be corrected by reloading the TIP. Current plans are to have BBN do this on next scheduled recycle time, (this coming Monday, April 15).

LP=NLS FOR ARPA OFFICE:

INSTALLATION

Hardware-wise, a LP=NLS workstation could work in Col Russell's Office as soon as the TIP is recycled this next Monday (April 15), and Rodney could install it that day on his way back (after his vacation).

COMMENTS

Charles and Don are against installing it now.

ARGUMENT:

1) They feel we should first get some operating experience using it with a TIP, and that the experience should be obtained by an ARC operator,

2) They would like very much to get the literal collection micro-program running as soon as possible,

3) They are untrained DNLS users,

MY RESPONSE:

1) I agree that we should get experience before releasing it to the world. Bu, since we now have the SRI-WASH going we are getting it, and maybe by April 18 (when Rod could install) this will be adequate to get us past the major problems??

Line Processor, a LP workstation at ARPA.

2) In talking with RWW he feels that it is up to you to decide the trade-off here.

1b2a2b

Added Hardware cost
~~Added Hardware cost~~

0b2*2b0

PROM's: \$140.

1b2a2b1a

Development time: ?

1b2a2b1b

Worth:

1b2a2b2

Faster response: ?

1b2a2b2a

other ?

1b2a2b2b

3) Someone will have to train them.

1b2a2c

DEIS, EPAC=west

1c

You haven't forgotten that we have still cabling installed for a Tasker workstation upstairs??

1c1

Line Processor, a LP workstation at ARPA.

(J22724) 12-APR-74 22:05; Title: Author(s): Martin E. Hardy/MEH;
Distribution: /JCN DCE RWW; Sub=Collections: SRI=ARC; Clerk: MEH;
Origin: <HARDY>RUS,NLS,10, 8-APR-74 13:59 MEH ;

My Time: SRI Planning, DEIS, HELP,

I spoke Friday afternoon with Tom Humphry who said that Jim and Doug had expressed willingness for me to spend some time contributing to the report Tom is making to SRI on possible use of computer aids to their report production system. In particualr he asked me to write in the next seven weeks a section of 10-20 pages that will invovle a certain amount of leg work around SRI.

1

Tom also mentioned that Bart had decided to buy a utility slot, and that he would look to me for help in finding a way for his project to use the slot in their writing and planning.

2

This is interesting work and think I am in a good postion to help them with relativley little effort, but bear in mind that even if the DEIS project begins to take less my time, the time I give to SRI will come out of support to the HELP data base and hardcopy documentation that may emerge from it, among other things. Not to mention the possibilityof a final report on 1868,

3

My Time: SRI Planning, DEIS, HELP.

(J22726) 15-APR-74 08:43; Title: Author(s): Dirk H. Van Nouhuys/DVN;
Distribution: /&DPCS &DIRT JCN(I wrote this before we talked) KIRK(fyi)
JMB(fyi) DCE RWW(fyi); Sub-Collections: SRI-ARC DPCS DIRT; Clerk: DVN;

Monthly Letter Report To RADC

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

Mr. Burns, RADC/PMA
 Department of the Air Force
 Headquarters Rome Air Development Center (AFSC)
 Griffiss Air Force Base, New York 13440

Dear Mr. Burns:

This letter responds to block 10 of DD Form 1664 with respect to contract F30602-73-C-0285 (SRI #2697),

The table below shows the person-hours expended on the subject contract, since the last reporting period (four weeks),

	Cumulative to 12/29/73	Person Hours Expended During Report period
Supervisor	200	16
Senior Professional	20	20
Professional	2463	596
Technical	0	0
Other	0	0

	2051	

Our most important work during November was dialog via NLS concerning specifications and plans for implimentation of the Forms System discussed in the previous two monthly reports. Programming of the Forms system continued where possible.,

We estimate that the percentage of technical completion at the end of the year was 90 per cent.

Sincerely,

Dirk van Nouhuys
 Research Analyst

Monthly Letter Report To RADC

(J22727) 15-APR-74 11:50; Title: Author(s): Dirk H. Van Nouhuys/DVN;
Distribution: /DLS DVN; Sub-Collections: SRI-ARC; Clerk: DVN;
Origin: (VANNOUHUYS, BURNS,NLS;1,), 11-APR-74 14:19 DVN ;

Question for Martin on his 22724

Martin: Who are you addressing as 'you' in (Ljournal, 22724, 1b2a2b:ge) -- pro and con about installing the LP-DNLS console in ARPA? Small feature, but it stopped me and made me look around the memo to see if you wanted an answer from me. Finally decided that it must be JCN you are addressing. So this message is perhaps just asking of your future memos that they make clear whom you want action from.

1

DCE 15=APR=74 12:17 22728

Question for Martin on his 22724

(J22728) 15=APR=74 12:17; Title: Author(s): Douglas C,
Engelbart/DCE ; Distribution: /meh jcn ; Sub=Collections: SRI=ARC;
Clerk: DCE ;

Letter to Bob Gordon re upcoming 4/19 visit

Augmentation Research Center
Stanford Research Institute
Menlo Park, California 94025

Robert M. Gordon
c/o Mrs. Nancy Rautenberg
5910 E. Ocean Blvd.
Long Beach, California 90803

Bob ==

Will be very happy to see you on the morning of Friday April 19. Call beforehand, if you get time, to nail down exact times == but otherwise I'll hold open what I can. 1

About addressing my staff on one of your topics: we're in something of a crisis mode, and I don't think I could post a meeting that isn't directly part of our current and immediate concern. But thanks anyway. 2

It really will be nice to reestablish acquaintanceship. Be looking forward to seeing you. 3

Sincerely,

Douglas C. Engelbart
Augmentation Research Center

DCE/jml

Letter to Bob Gordon re upcoming 4/19 visit

(J22729) 17-APR-74 09:11; Title: Author(s): Douglas C.
Engelbart/DCE; Sub=Collections: SRI=ARC; Clerk: JML;
Origin: <LEAVITT>BOB.NLS;5, 15-APR-74 14:12 JML ;

Some Comments on JHB's INLS Course Outline

I've taken a close scrutiny at your journal item on your course outline. I looked at it thinking that there would be a lot of information taught that is unnecessary for a beginning student. Congratulation! It looked very good. The only thing I would question is teaching addressing by counting letters and words (substitution and context seem so much easier to me) and a more general thing which again has to do with addressing, reading mail, etc. - why teach so many alternatives for doing the same thing. It seems one way which is the easiest for a beginning user should be used and no other one's mentioned. Maybe some analysis is needed to choose which is best?

1

Some Comments on JHB's TNLS Course Outline

(J22730) 15-APR-74 15:01; Title: Author(s): Susan R. Lee/SRL;
Distribution: /JHB PR(fyi); Sub=Collections: SRI=ARC; Clerk: SRL;

Title

This is a test to trace the current status of Journal privacy.

1

Title

(J22731) 15-APR-74 15:02; Title: Author(s): James E. (Jim)
White/JEW; Distribution: /JEW; Sub=Collections: SRI=ARC; AccessList:
JEW; Clerk: JEW;

ARC Facility, some possible configurations.

This document contains exhibits of possible future ARC computer configurations. All special interfaces that are required are described. Also included for each exhibit are considerations, cost estimates and comments. Many of the comments are by Charles Irby and Don Andrews. The Appendix contains (opinions) and detailed interface descriptions.

1

ARC Facility, some possible configurations.

SUMMARY

2

It seems inevitable that sometime in the near future we will be obtaining most of our computer processing power from a independent computer facility. Because of this, I feel we should consider only those configurations that make our workstations physically independent of our PDP-10 facility. Further, since most future NLS users will be operating over telecommunication systems, we should, as soon as possible, obtain experience in that environment. To this end we should request to have a TIP installed here at SRI, (a TIP allows the greatest flexibility in local configuration. -- A TIP is a IMP plus a terminal processor, therefore not only can computers be connected, but terminals as well).

2a

Further, by conducting this study, it has become apparent to me that: future Workstations will be connected to their local or remote host computer or inhouse interface without connecting wires; and that these technologies are well developed and could be applied in our applications; and that we should apply them whenever possible.

2b

The most likely candidates are sys6 or sys8 for office-1 staff and SRI subscribers located at SRI, and sys7 for MST and future systems development.

2c

ARC Facility, some possible configurations.

CONTENTS:

3

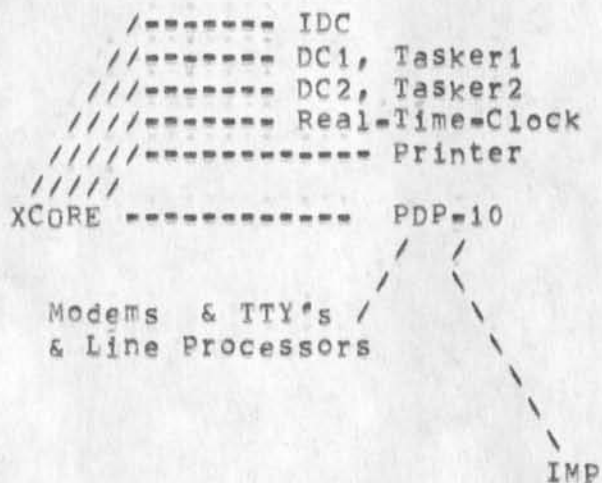
SYS1 : (XCORE PDP=10) IMP. == the one we have now.
SYS2 : (XCORE PDP=10) (PDP=11 LP's) IMP.
SYS3 : (XCORE PDP=10) IMP, (PDP=11 LP's) TIP.
SYS4 : (PDP=10) IMP, (XCORE PDP=11) (PDP=11 LP's) (LP's) TIP.
SYS5 : (LP PDP=11) Modems office=1.
SYS6 : (LP MODEMS) Modems office=1
SYS7 : (LP PDP=11) SRI=IMP.
SYS8 : (LP MICRO) Modems office=1..
SYS9 : (LP) SRI=TIP, office=1 TIP.
APPENDIX:
(OPINIONS) (MICE=KEYSET) (COMM=MOD)
(PRINTER=ASCII) (XCORE) (11=MAINT)

3a

ARC Facility, some possible configurations.

```
(SYS1): (XCORE PDP=10) IMP.
```

Our present facility.



COSTS

OTHER COSTS

PDP=10 fac	month	purchase
1) NOW	22,105	
2) EXTEND	28,868	
3) PURCHASE		492,693

maintenance	month
1) PDF=10	4,147

COMMENTS

ARC Facility, some possible configurations.

We can keep this configuration only if we (or someone else) is willing to manage the facility as a general TENEX facility for the net community. We would be expected to use and pay for (flat rate?) about 1/3 of the system. The other 2/3 will be purchased by ARPA for other contractors. It seems ARPA wants a pie-slice scheduler which will guarantee that people get their share of the machine. Do we have to build this new scheduler or is BBN doing it?

4d1

THE MAIN ADVANTAGE to this approach is that it allows us to continue using our tasker displays and data products printer and allows us to develop alternatives over a longer period of time, out of the critical path. In addition, some of our present operations staff might reasonably be moved to help run the facility. If we do not keep the PDP-10, we may have to transfer much of our operations staff to work with application clients or onto overhead, or into other groups.

4d2

A MAJOR PROBLEM with this configuration is: we will be sharing the computer resources with others, of which we will be a minority. Hence, any down-time due to our Xcore-Tasker hardware will cause significant objection from them.

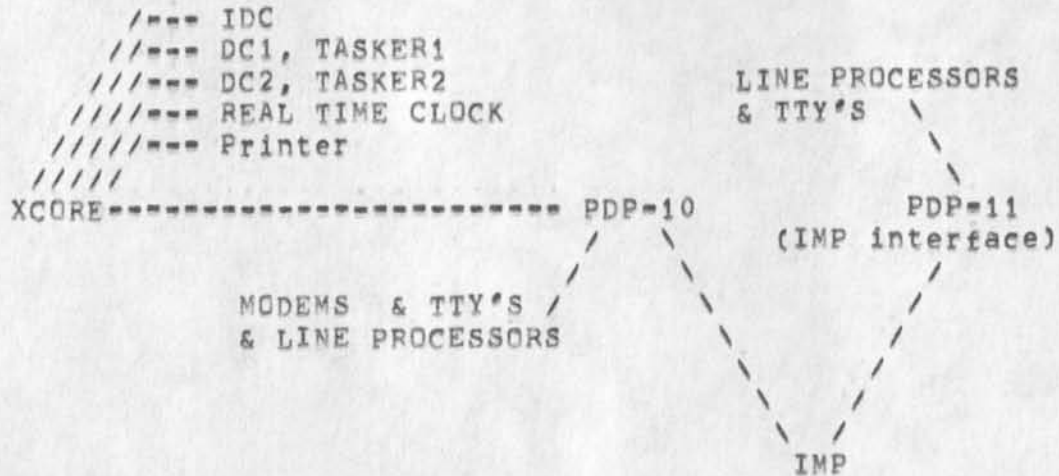
4d3

WE DON'T KNOW if DEC is willing to extend our lease for only one year. The figure shown in COSTS is assuming a two year extension which they have said they would accept.

4d4

ARC Facility, some possible configurations.

(SYS2); (XCORE PDP=10) (PDP=11 LP's) IMP.



ADD ON COSTS

OTHER COSTS

device	month each	purchase
1) PDP=11	1,600 ?	50,000 ?
2) IMP INTERFACE		10,000 ?
3) LINE PROCESSOR		2,500

maintenance	month each
1) PDP=11	500 ?
See (11=maint)	

COMMENTS

This is possibly the configuration we would have in a few months if we agree to run our TENEX as a general facility. It shows the development of the alternative front-end system as an eventual replacement for the PDP=10.

ARC Facility, some possible configurations.

Can we obtain another IMP port, as indicated in the picture?
If not, where does the PDP-11 connect to the NET?

5c2

This is an important question we need to resolve before committing to this configuration. Recent discussions with other SRI-IMP users indicates that all ports have been allotted, or at least asked for.

5c2a

If all ports are allocated, two possible options are:

5c2b

1) Request ARPA install a SRI-TIP or IMP. (a TIP is a more flexible ARPA-NET connection. It is a IMP plus a terminal processor, meaning, in addition to connecting computers to the ARPA-NET, it can connect terminals == without the necessity of a local computer.)

5c2b1

2) Install high speed leased lines to a remote TIP for the PDP-11 system, such as: AMES, OFFICE-1, etc. This would be very similar to (SYS5).

5c2b2

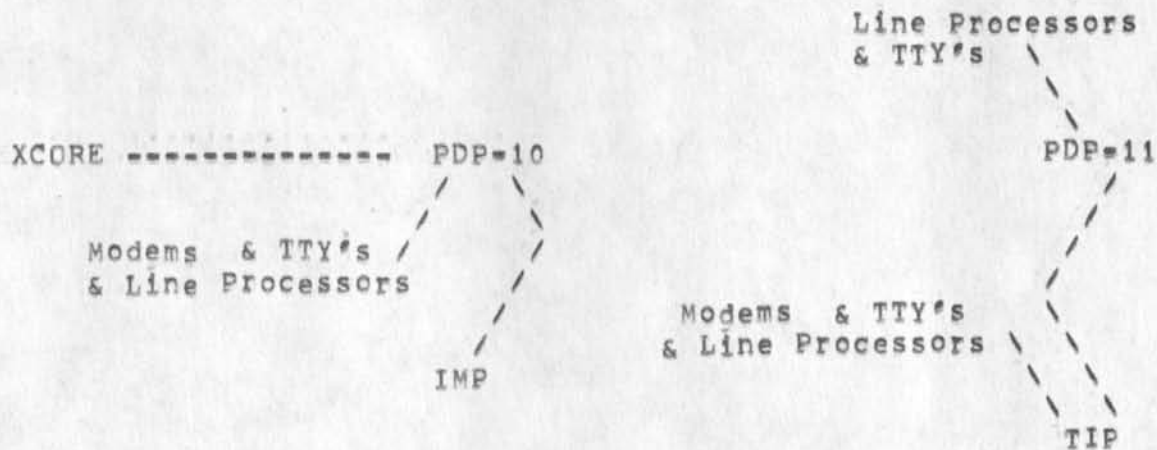
See (comm-11-interface).

5c2b2a

ARC Facility, some possible configurations.

(SYS3): (XCORE PDP=10) IMP, (PDP=11 LP's) TIP.

6



6a

ADD ON EQUIPMENT COSTS

6b

OTHER COSTS

6b1

device	month each	purchase
1) PDP=11	1,600 ?	50,000 ?
2) IMP INTERFACE		10,000 ?
3) LINE PROCESSOR		2,500
4) DIAL UP MODEM	40	200

6b1a

maintenance	month each
1) PDP=11	500 ?
See (11=maint).	

6b1b

COMMENTS

6c

An extra SRI=IMP port is not necessary here, since the PDP=11 connects to the TIP.

6c1

ARC Facility, some possible configurations.

ARPA would have to agree to install a SRI-TIP. (A TIP is more configuration flexible than an IMP, as previously mentioned in SYS2.)

6c1a

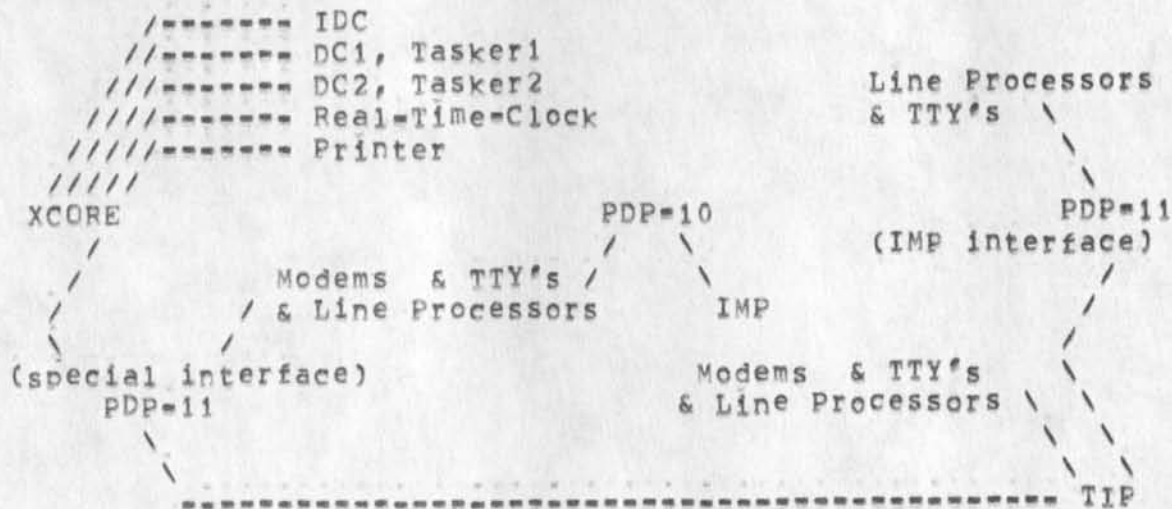
This is another possible configuration for developing the alternative front-end system while running our PDP-10 as a general facility.

6c2

ARC Facility, some possible configurations.

(SYS4): (PDP-10) IMP, (XCORE PDP-11) (PDP-11 LP's) (LP's) TIP,

7



7a

ADD ON EQUIPMENT COSTS

7b

SPECIAL INTERFACE COSTS

7b1

interface	DEC		NON DEC	
	s	hr/yr	s	hr/yr
1) XCORE	3000	.3	S	S
see (xcore=11)				

7b1a

OTHER COSTS

7b2

device	month each	purchase	
1) PDP-11	1,600 ?	50,000	?
2) IMP INTERFACE		10,000	?
3) LINE PROCESSOR		2,500	
4) DIAL UP MODEM	40	200	

7b2a

ARC Facility, some possible configurations.

maintenance	month each
-----	-----
1) PDP-11	500 ?
-----	-----

7b2b

COMMENTS

7c

This shows a possible configuration we could pursue if we felt that there was significant advantage to keeping our tasker display system. It is unknown how long the XCORE--PDP-11 interface would take to develop and how reliably it would work. What is the maintenance cost (people and parts) of the tasker system?

7c1

It involves the expense of two PDP-11's and a TIP.

7c2

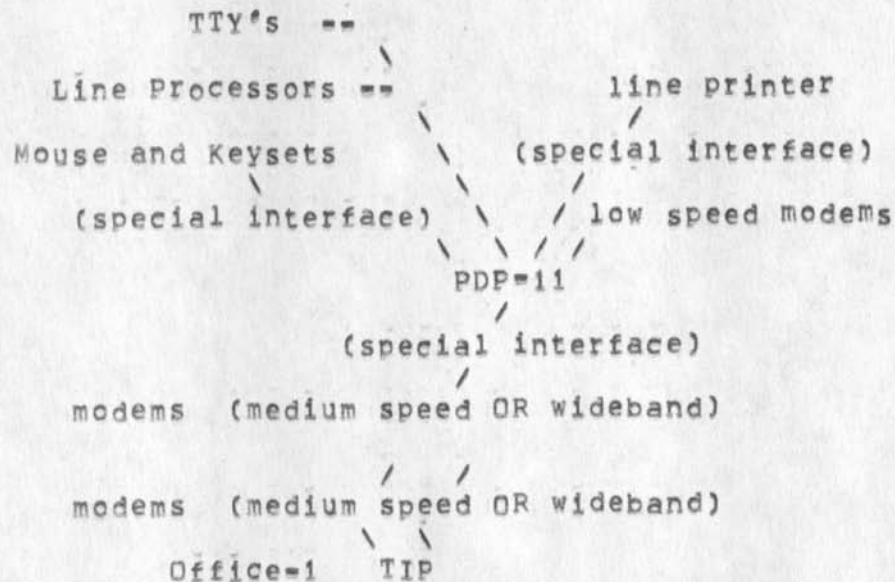
A PROBLEM with this configuration, as well as any other connecting XCORE to a PDP-11, is XCORE is a 24 bit system, the PDP-11 is 16, meaning; a funny type of bit mapping scheme and some special steering hardware will have to be developed.

7c3

ARC Facility, some possible configurations.

(SYS5): (LP PDP-11) Modems office=1,

8



8a

ADD ON EQUIPMENT COSTS

8b

SPECIAL INTERFACE COSTS

8b1

interface	DEC		NON DEC	
	\$	hr/yr	\$	hr/yr
1) Mouse and Keyset (for 8) see (mice=keyset)	3000	.3	S	S
2) Printer see (printer-asii)	1000	.2	2000	S
3) Modem see (comm=mod)	1500	.2	2500	S
	5500	.7	7500	.7

8b1a

OTHER COSTS

8b2

ARC Facility, some possible configurations.

device	month each	purchase
1) PDP-11	1,600	50,000 ?
2) MEDIUM SPEED MODEM (2 ea)	200	5,000 ?
3) M.S. LEASED LINE	150	
4) LINE PROCESSOR		2,500
5) DIAL UP MODEMS	40	200
6) WIDE-BAND MODEMS (2 ea)	340	?
7) W.D. LEASED LINES (22/miles)	540	?

8b2a

maintenance	month each
1) PDP-11	500 ?

See (11-maint).

8b2b

COMMENTS

8c

The estimated charges for the high speed (4800 baud) line lease is about \$350 per month per line to the TYMESHARE TIP. We could also try multiplexing a few high speed lines for several displays (as BELL wanted to do). We can also try going to the AMES TIP (which is closer). We can also run 1200 baud over dial-up lines, but this is not felt to be fast enough. It should be noted that one can lease a PDP-11 for the approximate cost of three 4800 baud lines and that several PDP-11 NCP's exist and are used on a daily basis.

8c1

It should be noted that this PDP-11 supports both Line Processor and directly connected workstations. The cost of the special interface is not known but is guessed to be quite minimal.

8c2

This PDP-11 can act simply as a terminal concentrator (we have two systems ANTS and ELF to choose from) or can also do command interpretation.

8c3

VHDDDB@ND RDRVHBD

8c4

ARC Facility, some possible configurations.

An alternative to the several medium speed modem connections is 19.2KB wideband service. This service appears to be cost effective when replacing three or more 4.8 KB (4800 baud) links.

8c4a

The medium speed modem interface should be capable of driving the wideband modem.

8c4b

PROBLEM

8c4c

1) The TIP may not be able to receive data at a 19.2KB rate.

8c4c1

2) PT&T estimates installation will take two to six months. (The reason for the wide spread is that they are not sure about the condition of local lines.) If this alternative is a serious consideration I'm sure we could get a more specific estimate from them.

8c4c2

RF TYPE TRANSMISSION (infrad red, uhf, etc)

8c5

There are equipment manufacturers marketing this type equipment but, what literature I have, exhibits equipment that is for short hauls only (5 miles or less, hence will not work as a link to Office-1 which is 17 miles away).

8c5a

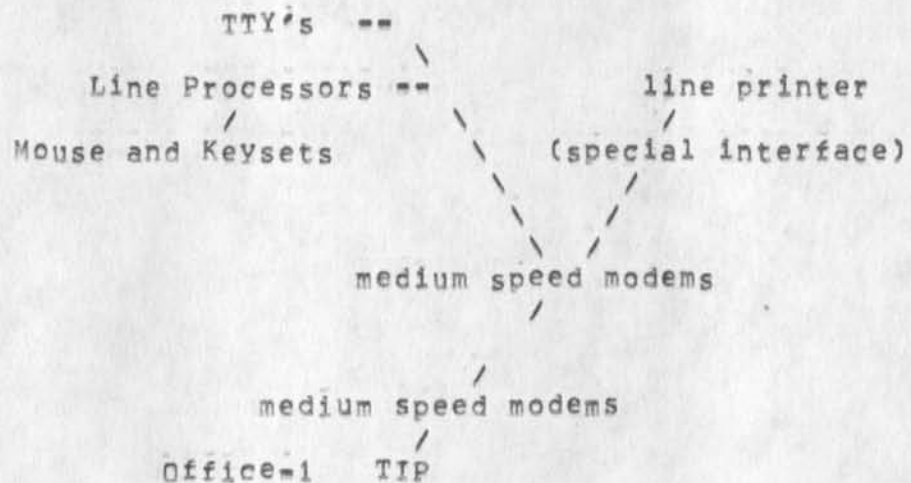
We should pursue this in more detail because it offers the best solution for remote links, especially inhouse applications.

8c5b

ARC Facility, some possible configurations.

(SYS6): (LP MODEMS) Modems office=1.

9



9a

ADD ON EQUIPMENT COSTS

9b

OTHER COSTS

9b1

device	month each	purchase
1) PDP-11	1,600 ?	50,000 ?
2) MODEM (2 ea)	200	5,000
3) LEASED LINE	150	
4) LINE PROCESSOR		2,500

9b1a

maintenance	month each
1) PDP-11	500 ?
See (11=maint),	

9b1b

SPECIAL INTERFACE COSTS

9b2

ARC Facility, some possible configurations.

interface	DEC		NON DEC	
	\$	hr/yr	\$	hr/yr
1) Printer	1,000	.2	2,000	S
see (Printer=ascii)				
2) Med Speed Modems	1,500	.2	2,500	S
see (comm=mod)				
	2,500	.4	4,500	.4

9b2a

COMMENTS

9c

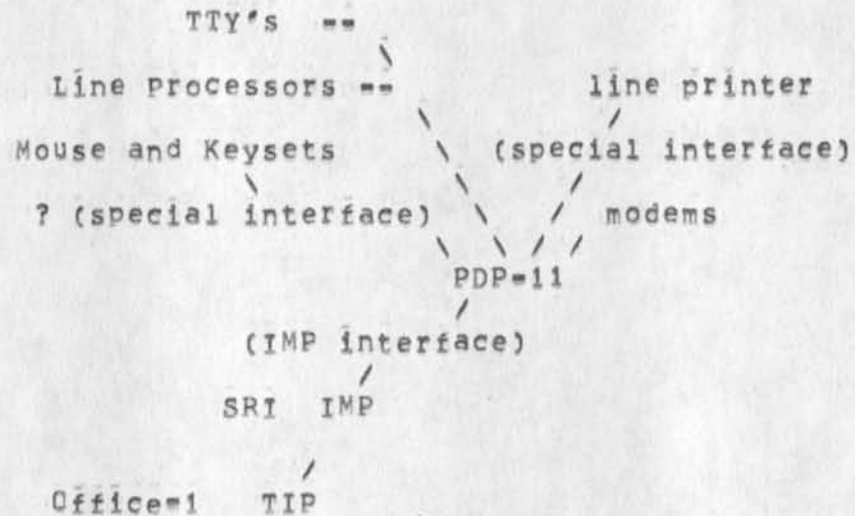
This is essentially SYS5 but without the PDP-11. It should be pointed out that this configuration could be a first step toward SYS5. The absence of the PDP-11 implies that no command interpretation can be done outside of the TENEX unless the user connects (via the TIP) to a PDP-11 which does command interpretation and then invokes command execution on a TENEX.

9c1

ARC Facility, some possible configurations.

(SYS7): (LP PDP=11) SRI=IMP.

10



10a

ADD ON EQUIPMENT COSTS

10b

OTHER COSTS

10b1

device	month each	purchase
1) PDP=11	1,600 ?	50,000 ?
2) IMP INTERFACE		10,000 ?
3) LINE PROCESSOR		2,500
4) DIAL UP MODEM	40	200

10b1a

maintenance	month each
1) PDP=11	500 ?
See (11=maint),	

10b1b

SPECIAL INTERFACE COSTS

10b2

ARC Facility, some possible configurations.

interface	DEC		NON DEC	
	\$	hr/yr	\$	hr/yr
1) Mouse and keyset (for 8) see (mice=keyset)	3,000	.3	\$	\$
2) Printer see (printer-ascii)	1,000	.2	2,000	\$
	4,000	.5	5,000	.5

10b2a

COMMENTS

10c

This shows us trying a PDP-11 'r' 'tdrlin'1 bondedntrator (and later command interpreter) for workstations attached directly to the PDP-11 or for Line Processor workstations. This implies that we buy time from another TENEX for actual command execution. An obvious and attractive possibility is to use Office-1 (or office=2?) which will present a more desirable job mix for our purposes and which might give us more computer for our money since we can take advantage of off-quota time. We would also have to buy time from other TENEX sites for compilation and possibly debugging of new NLS's.

10c1

It should be pointed out that if somehow we can keep our BBN pager, Briant drum, and imp interface, we could bring up an office=2 machine much more rapidly. Also, it would be extremely advantageous to move the Bryant drum and more core to the office=1 machine (it is now waiting for the disk-drum about 30% of the time).

10c2

It should be pointed out that it is not known how many workstations can be directly supported by a PDP-11 before the Mouse tracking becomes a significant load on the CPU. Line Processors may be more economical.

10c3

The Mouse and Keyset interface exhibited in the above schedule is adequate for local clusters only (terminals configured within the same room or within 100 feet of the PDP-11), see (mice=keyset).

10c4

POSSIBLE FUTURE REQUIREMENTS

10c5

ARC Facility, some possible configurations.

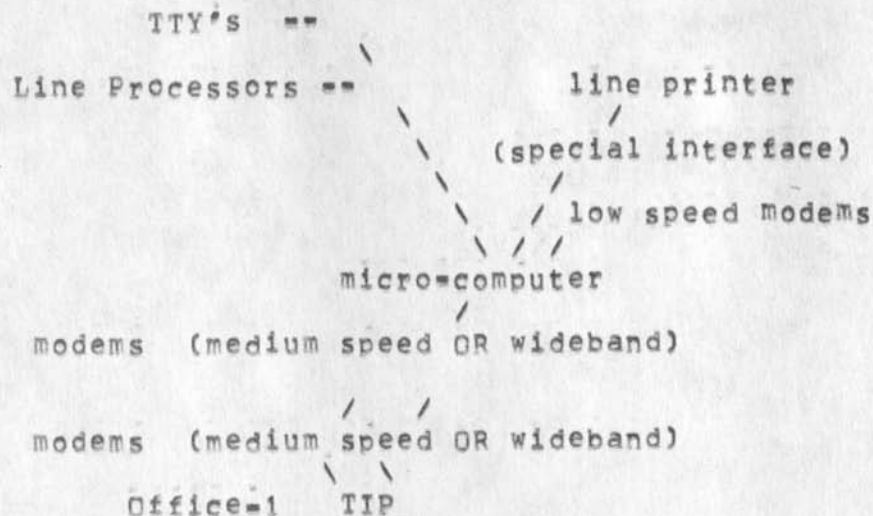
The special interface to connect medium speed modems (comm-mod) is not required. But I would expect it to be a future requirement.

10c5a

ARC Facility, some possible configurations.

(SYS8): (LP MICRO) Modems office=1,

11



11a

ADD ON EQUIPMENT COSTS

11b

SPECIAL INTERFACE COSTS

11b1

interface	DEC		NON DEC	
	\$	hr/yr	\$	hr/yr
1) Printer	1000	.2	2000	S

11b1a

OTHER COSTS

11b2

device	month each	purchase	
1) MICRO-COMPUTER		3,500	?
2) MEDIUM SPEED MODEM (2 ea)	200	5,000	?
3) M.S. LEASED LINE	150		
4) LINE PROCESSOR		2,500	
5) DIAL UP MODEMS	40	200	
6) WIDE-BAND MODEMS (2 ea)	340		?
7) W.D. LEASED LINES (22/miles)	540		?

11b2a

ARC Facility, some possible configurations.

COMMENTS

11c

The micro computer would act as a terminal concentrator. Don thinks it could support about eight Line Processor over a single 9600 baud link,

11c1

This configuration could be used to provide direct connection to office=1 for office=1 staff and local subscribers,

11c2

WIDEBAND SERVICE

11c3

An alternative to the several medium speed modem connections is 19.2KB wideband service. This service appears to be cost effective when replacing three or more 4.8 KB (4800 baud) links,

11c3a

The medium speed modem interface should be capable of driving the wideband modem,

11c3b

PROBLEM

11c3c

1) The TIP may not be able to receive data at a 19.2KB rate,

11c3c1

2) PT&T estimates installation will take two to six months. (The reason for the wide spread is that they are not sure about the condition of local lines.) If this alternative is a serious consideration I'm sure we could get a more specific estimate from them,

11c3c2

RF TYPE TRANSMISSION (infrad red, uhf, etc)

11c4

There are equipment manufacturers marketing this type equipment but, what literature I have, exhibits equipment that is for short hauls only (5 miles or less, hence will not work as an link to Office=1 which is 17 miles away) and implies that longer distance equipment is not available,

11c4a

ARC Facility, some possible configurations.

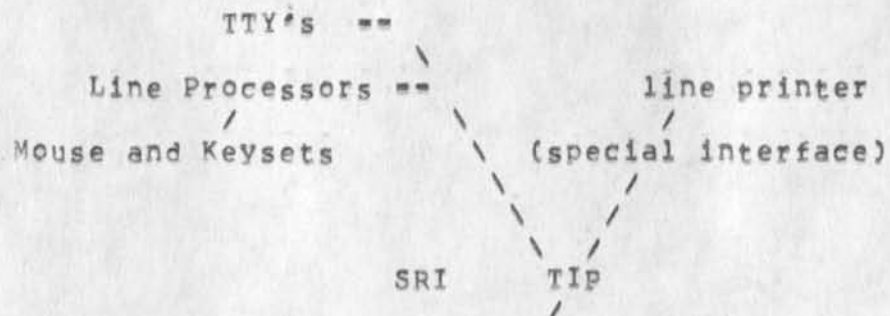
We should persue this in more detail because it offers the best solution for remote links, especially inhouse applications. See (meh).

11c4b

ARC Facility, some possible configurations.

(SYS9): (LP) SRI=TIP, office=1 TIP.

12



office=1 TIP

12a

ADD ON EQUIPMENT COSTS

12b

OTHER COSTS

12b1

device	month each	purchase
1) MODEM	100	
2) LEASED LINE	150	
3) LINE PROCESSOR		2,500
4) ACOUSTIC COUPLER	15	200

12b1a

```

maintenance          month each
-----
1) PDF=11            500 ?
-----
See (11=maint).

```

12b1b

SPECIAL INTERFACE COSTS

12b2

ARC Facility, some possible configurations.

interface	DEC		NON DEC	
	\$	hr/yr	\$	hr/yr
1) Printer	1,000	.2	2,000	.5
see (Printer=ascii)				
	1,000	.2	2,000	.2

12b2a

COMMENTS

12c

This assumes that we can have a TIP installed at SRI. The user could connect to a front-end command interpreter or directly to a TENEX.

12c1

This appears to be the most flexible system configuration. It allows complete freedom to expand without obsoleting equipment. The TIP is also a terminal processor meaning; it can support terminals connected directly; and it is also an IMP, meaning it can support local computers.

12c2

The micro-computer controlling the line printer would convert the line printer to a standard ASCII device, meaning it would connect to the TIP as if it were a standard telewriter terminal. This has the advantage that the line printer could be replaced easily. (For instance, the only change required might be to re-program the micro-computer.) It also means that the line printer could be connected to any device supporting telewriter type terminals, thus it could be plugged in directly to any mini-computer, modem, or a tape cassette type device.

12c3

ARC Facility, some possible configurations.

(APPENDIX):

13

(OPINIONS):

13a

(CHI):

13a1

The only reasonable configurations are sys1, sys2 or sys3, sys6, sys7, and sys8.

13a1a

(MICE=KEYSET):

13b

There are three possible ways to provide this interface. The differences are primarily cost and flexibility to operate several thousand feet from the PDP-11.

13b1

1) LOCAL CLUSTERS: (less than 100 feet)

13b1a

DEC has available modules that could be used to design this interface, but they may not work without modification. An alternative would be to use the standard modules for Keyset input and our own design for Mouse A/D.

13b1a1

DEC modules: \$3,000 plus .3 myr.

13b1a1a

Mixed: same.

13b1a1b

This interface would be adequate for workstations configured close to the PDP-11 only. The limiting factor is it requires approximately 17 or so wires for each workstation (about 12 for each Mouse and Keyset pair).

13b1a2

POSSIBLE PROBLEMS USING THE DEC A/D MODULE

13b1a3

ARC Facility, some possible configurations.

DEC's A/D converter module is what they are using on the SRI PDP-11 next door. They are experiencing noise which probably implies that it will not work in our application.

13b1a3a

AN ALTERNATIVE A/D

13b1a3a1

The Line Processor circuits could easily be modified to have greater resolution (10 bits) and accommodate 8 mice. They also could be manufactured plug compatible with standard DEC equipment.

13b1a3a1a

2) EXTENDED CLUSTER: (greater than 100 feet but less than 300)

13b1b

The cluster type configuration will not work in this application. The Line Processor will, and requires only about 5 wires between workstation and PDP-11.

13b1b1

COST: (for eight) 16,000

13b1b1a

3) LONG RANGE CLUSTER: (0 feet to miles)

13b1c

To connect the Mouse and Keyset located long distances from the PDP-11 it would be most practical to multiplex signals. This could be done using existing modem technology (converting digital signals to radio frequencies for retransmission over twisted pair, coax cable, or airway).

13b1c1

It would be possible to convert the line processor to this type transmission. We designed it such that this could be easily be done. It would require the design of a new transmitter/receiver board. At worst case it may require a additional board, which we have room for.

13b1c2

CONSIDERATIONS

13b2

ARC Facility, some possible configurations.

The local cluster interface is practical only for workstations close to the PDP-11,

13b2a

Our present Line Processor will drive medium distances only,

13b2b

The technology (and perhaps gadgets?) exist to connect via RF type transmission systems,

13b2c

It is evident that future communication systems will use this transmission method for both long and short haul connections (inhouse, and remote),

13b2c1

The Line Processor could easily be modified to RF type transmission, thus allowing efficient multiplexing of workstation signals,

13b2d

There are several manufacturers that sell micro-computer systems (with a family of peripheral logic) that could be used for this application. In addition, because they maintain their components, they may maintain a composite system,

13b2e

RECOMMENDATION

13b3

If we intend to develop a PDP-11 cluster system, that will be used by others at regular office environments where applications will not be restricted to local (room) clusters, then we should not waste our efforts and money to construct the LOCAL CLUSTER interface. Instead, we should either expand the Line Processor to a long range Line Processor (RF), or invest in developing a new Line Processor using standard manufacture components designed for this purpose,

13b3a

In any case, we should consider the issues and possibilities in more details. Perhaps there is already such an RF gadget? And perhaps we should license the Line Processor?

13b3b

ARC Facility, some possible configurations.

(COMM=MOD):

13c

It is not possible because of TIP requirements to use the PDP-11 communication interface to connect medium or wideband speed modems.

13c1

A TIP requires asynchronous type communication (characters that include start/stop bits). DEC's medium speed modem interface synchronous type communication (Characters which do not include stop/start bits, and escorted by two syncing characters). Hence they are not compatible.

13c1a

It appears that DEC does not have standard modules to design this interface. Our options then are to either adapt our Line Processor circuits or use a micro-computer. This interface should be able to drive modems up to 20KB.

13c2

Adapt Line Processor circuits: \$1,500 plus .2myr

13c2a

Use a micro-computer: \$2,500 plus .2myr

13c2b

13c2c

CONSIDERATIONS

13c3

The micro-computer is more expensive, but would plug directly into the PDP-11 and modem without modification. It is also possible that the microprogramming could be done by a hardware person.

13c3a

RECOMMENDATION

13c4

We should use a micro-computer (if we can find one that will drive 19.2KB). This will allow us to easily adapt to various modems and communication disciplines.

13c4a

(PRINTER=ASCII):

13d

ARC Facility, some possible configurations.

We could design an interface to connect our line printer to the PDP-11 with standard DEC modules or a micro-computer,

13d1

Dec modules: \$1,000 plus .2 myr

13d1a

Micro-computer: \$2,000 plus .2 myr

13d1b

CONSIDERATIONS

13d2

Our line printer is no longer sold. Therefore any software we develop specifically for it will have to be rewritten when it is replaced.

13d2a

It is possible that hardware personnel could program the micro-computer.

13d2b

RECOMMENDATION

13d3

I think our best option is the micro-computer. It allows us to convert our printer to a standard ASCII device. Hence any ASCII line printer, which there are many, would be plug compatible. A hardware person should do the programming if possible.

13d3a

(XCORE):

13e

It appears that we could design this interface using standard DEC modules,

13e1

DEC modules: \$2,500 plus .2myr

13e1a

CONSIDERATIONS

13e2

We would still have the same old TASKER=XCORE system,

13e2a

It would require extensive undeveloped software,

13e2b

ARC Facility, some possible configurations.

RECOMMENDATION

13e3

We do not consider this arrangement practical because of the extensive software development required.

13e3a

(11-MAINT):

13f

DEC maintenance can be either will-call or contract or if we own the machine we can do our own maintenance,

13f1

DEC maintenance can be either eight hours (8 to 5) or 16 hours. Response time if you have a maintenance contract is stated to be within four hours. Will-call maintenance rates last priority.

13f2

CONSIDERATIONS

13f3

The SRI PDP-11 people say that system reliability is very good but response time by DEC's service personnel is very bad.

13f3a

FOR EXAMPLE:

13f3a1

Service calls called in in the morning, at best, are responded to by late afternoon, -- At least six hours later.

13f3a1a

Service calls called in that afternoon never get responded to til the next day.

13f3a1b

PDP-11 service personnel very rarely work past coverage time, which is not the case with our PDP-10 people.

13f3b

It appears that will-call type service is a break even deal as far as cost is concerned.

13f3c

RECOMMENDATION

13f4

ARC Facility, some possible configurations.

I recommend we contract service for the first year regardless of lease or buy. In addition, because our best option appears to be to do our own maintenance, send Rodney to PDP-11 maintenance school as soon as possible.

13f4a

This would probably cost more initially (spares and school expenses); but, justifies 500 dollars per month of service personnel time and should yield better service, especially from a system standpoint.

13f4a1

ARC Facility, some possible configurations.

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