

Bad file

Please restore file mathsci, net3, pci as best you can, Missing pieces of reasonable size won't hurt, Anything is better than losing two weeks and hundreds of mods. Call me at (202) 227-1714, Thanks, Herb Ernst (or Frank Brignoli at (202) 227-1533.

1

Bad file

(J31421) 3=DEC=74 06:19;;; Title: Author(s): Herbert M. Ernst/HME;
Distribution: /JHB([ACTION]) DVN([INFO-ONLY]) ; Sub-Collections:
NIC; Clerk: HME;

Jump to Item loop: with ,30p,

bug cannot be duplicated,

Jump to Item loop: with ,30p.

Dirk; I tried both Jump to item and jump to link using the address ,30p. I found no problems with it. Do you still have a problem? Did you precede it by some other address expression? Tried several times both at ARC and at OFFICE=1. Let us know if it occurs again. thanks FEED/Rob

1

Jump to Item loop: with .30p.

(J31423) 3=DEC=74 14:45;;; Title: Author(s): Special Jhb
Feedback/FEED; Distribution: /DVN([ACTION]) ; Sub=Collections:
SRI=ARC; Clerk: FEED;

Indexing error message on Medium sized file

Thanks for the bug message on Indexing. Will follow it up. FEED/Rob 1

Indexing error message on Medium sized file

(J31424) 3=DEC=74 14:56;;; Title: Author(s): Special Jhb
Feedback/FEED; Distribution: /DVN([ACTION]) ; Sub=Collections:
SRI=ARC; Clerk: FEED;

Directory Information Form

Information needed to set up new directories. 1

It would help us if you would use this form by copying it and then substituting the appropriate information for the characters. 1a

You may send the request(s) to Jim Norton (JCN), Jim Bair(JHB), Feedback (feedback), or for ARPA users, Susan Lee(SRL) via sndmsg or Sendmail. 1b

(FORM) 2

Directory name:	XXX	
Ident:	III	
Account:	same as architect	
Password:	PPP	
Disk pages:	300	
Allocation group:	GGG	
Default protection:	770000	
Person's name:	NNN	
-----		2a

Ident Info: 2b

Address: 2b1

AAA 2b1a

Phone: 2b2

TTT 2b2a

3

Directory name: 3a

Ident: 3b

Account: 3c

Password: 3d

Disk Pages: 3e

Allocation Group: 3f

Sub-Group Designation: 3g

Default protection: 3h

Directory Information Form

Ident Info:		4
Address		4a
		4b
Phone:		4c
		5
Directory name:		5a
Ident:		5b
Account:	Same as Architect	5c
Password:		5d
Disk Pages:	100	5e
Allocation group:	BRL	5f
Sub-Group Designation:	AMC	5g
Default protection:	770000	5h
Person's name:		5i
Ident Info:		6
Address:	Hq., US Army Materiel Command	6a
	ATTN: AMCMS	6a1
	5001 Eisenhower Ave,	6a2
	Alexandria, VA, 22333	6a3
Phone:	202-274-	6b
		7
Directory name:	GILBERT	7a
Ident:	JCG	7b
Account:	Same as Architect	7c
Password:	JCG	7d

Directory Information Form

Disk Pages:	100	7e
Allocation group:	BRL	7f
Sub=Group Designation:	AMC	7g
Default protection:	770000	7h
Person's name:	John C Gilbert	7i
Ident Info:		8
Address:	Hq., US Army Materiel Command	8a
	ATTN: AMCMS	8a1
	5001 Eisenhower Ave.	8a2
	Alexandria, VA 22333	8a3
Phone:	202-274-8626	8b
		9
Directory name:	ARNISON	9a
Ident:	JAA	9b
Account:	Same as Architect	9c
Password:	JAA	9d
Disk Pages:	100	9e
Allocation group:	BRL	9f
Sub=Group Designation:	AMC	9g
Default protection:	770000	9h
Person's name:	John A Arntson	9i
Ident Info:		10
Address:	Hq., US Army Materiel Command	10a
	ATTN: AMCMS	10a1
	5001 Eisenhower Ave.	10a2

Directory Information Form

	Alexandria, VA 22333	10a3
Phone:	202-274-8626	10b
		11
Directory name:	UHLIG	11a
Ident:	RPV	11b
Account:	Same as Architect	11c
Password:	RPV	11d
Disk Pages:	200	11e
Allocation group:	BRL	11f
Sub-Group Designation:	AMC	11g
Default protection:	770000	11h
Person's name:	Dr, Ronald P, Uhlig	11i
Ident Info:		12
Address:	Hq., US Army Materiel Command	12a
	ATTN: AMCMS-I	12a1
	5001 Eisenhower Ave,	12a2
	Alexandria, VA. 22333	12a3
Phone:	202-274-9046	12b
		13
Directory name:	CIANFLONE	13a
Ident:	JCF	13b
Account:	Same as Architect	13c
Password:	JCF	13d
Disk Pages:	100	13e
Allocation group:	BRL	13f

Directory Information Form

Sub-Group Designation:	AMC	13g
Default protection:	770000	13h
Person's name:	John Cianflone	13i
Ident Info:		14
Address:	Hq., US Army Materiel Command	14a
	ATTN: AMCMS-T	14a1
	5001 Eisenhower Ave,	14a2
	Alexandria, VA, 22333	14a3
Phone:	202-274-9144	14b
		15
Directory name:	MITCHELL	15a
Ident:	HSM	15b
Account:	Same as Architect	15c
Password:	VIC	15d
Disk Pages:	100	15e
Allocation group:	BRL	15f
Sub-Group Designation:	AMC	15g
Default protection:	770000	15h
Person's name:	Herbert S. Mitchell	15i
Ident Info:		16
Address:	Hq., US Army Materiel Command	16a
	ATTN: AMCMS-E	16a1
	5001 Eisenhower Ave,	16a2
	Alexandria, VA, 22333	16a3
Phone:	202-274-9140	16b

Directory Information Form

		17
Directory name:	DSMITH	17a
Ident:	JDS	17b
Account:	Same as Architect	17c
Password:	JDS	17d
Disk Pages:	100	17e
Allocation group:	BRL	17f
Sub-Group Designation:	AMC	17g
Default protection:	770000	17h
Person's name:	Col. J D Smith	17i
Ident Info:		18
Address:	Automated Logistics Management Systems	18a
Agency		
	US Army Materiel Command ATTN: ANXAK-Z	18a1
	210 N. 12th Blvd.	18a2
	P.O. BOX 1578	18a3
	St. Louis, Mo. 63188	18a4
Phone:	314-268-6044	18b
		19
Directory name:	LEISHER	19a
Ident:	AEL	19b
Account:	Same as Architect	19c
Password:	AEL	19d
Disk Pages:	100	19e
Allocation group:	BRL	19f

Directory Information Form

Sub-Group Designation:	AMC	19g
Default protection:	770000	19h
Person's name:	Arnold E Leisher	19i
Ident Info:		20
Address:	AMC Logistics Systems Support Agency	20a
	ATTN: AMXLS=L	20a1
	Letterkenny Army Depot	20a2
	Chambersburg, Pa. 17201	20a3
Phone:	717-263-7405	20b
NOTE! NOTE! NOTE!	----PLEASE,	21
	This is a new directory for Dr. Pullen, OF THE BRL. I suggest that you decrease the <BRL> Directory, currently at 600 pages, by the 200 pages required to fix up a directory for Dr. Pullen.	21a
	This will leave the BRL Directory with approximately 400 pages--- right?	21a1
		22
Directory name:	PULLEN	22a
Ident:	KAP	22b
Account:	Same as Architect	22c
Password:	KAP	22d
Disk Pages:	200	22e
Allocation group:	BRL	22f
Sub-Group Designation:	None	22g
Default protection:	770000	22h
Person's name:	Dr. Keats A. Pullen	22i
Ident Info:		23

Directory Information Form

Address:	US Army Ballistic Research Laboratories	23a
	ATTN: AMXBR-VL	23a1
	Aberdeen Proving Ground, Md, 21005	23a2
Phone:	310-278-3774	23b

Directory Information Form

(J31425) 3-DEC-74 16:20;;; Title: Author(s): Stan M. Taylor/SMT;
Distribution: /JHB([ACTION]) FEED([ACTION]) JCN([INFO-ONLY])
DCE([INFO-ONLY]) SMT([INFO-ONLY]) ; Clerk: SMT; Origin:
< TAYLOR, NEW/DIR=LIST,NLS;4, >, 3-DEC-74 16:17 SMT ;;;; Title:
Author(s): James H. Bair/JHB; Distribution: /KWAC([ACTION]) SRL(
[ACTION]) RLL([INFO-ONLY]) MEH([INFO-ONLY]) ;
Sub-Collections: SRI=ARC KWAC NIC; Clerk: JHB; Origin: <
BAIR, DIRMSG,NLS;5, >, 6-NOV-74 17:48 JHB ;;;;###;

###;

TITLE: Invisible links 1
AUTHOR: DAP 2
DISTRIBUTE FOR ACTION TO:jake 3
DISTRIBUTE FOR INFO-ONLY TO:dap 4

MESSAGE: Thanks for the link last night. The reason you couldn't find the link when you looked is simple: I wasn't logged in. I can only log in to OFFICE-1, which was down; so I entered the SRI-ARC system and looked for a user (via systat) whose name I knew (Jim Bair had given you that distinction). So thanks for your help...which brings me to a request for more. Jim tells me that all questions re/ ARPANET should be directed to you. Could you send me a list of current sites (and phone numbers, if possible) through which I can reach OFFICE-1? I'd also be interested (albeit less vitally) in receiving general information on the net, especially info focussed on the resources it provides. With more thanks, Dave Potter. 5

(J31426) 4-DEC-74 06:14;;; Title: Author(s): David A. Potter/DAP;
Sub-Collections: NIC; Clerk: DAP; Origin: < POTTER, MAIL,NLS;2,
>, 4-DEC-74 05:54 DAP ;;;;####;

Invisible links

Thanks for the link last night. The reason you couldn't find the link when you looked is simple: I wasn't logged in. I can only log in to OFFICE-1, which was down; so I entered the SRI-ARC system and looked for a user (via systat) whose name I knew (Jim Bair had given you that distinction). So thanks for your help...which brings me to a request for more. Jim tells me that all questions re/ ARPANET should be directed to you. Could you send me a list of current sites (and phone numbers, if possible) through which I can reach OFFICE-1? I'd also be interested (albeit less vitally) in receiving general information on the net, especially info focussed on the resources it provides. With more thanks, Dave Potter.

1

Invisible links

(J31427) 4-DEC-74 06:25;;; Title: Author(s): David A. Potter/DAP;
Distribution: /JAKE([ACTION]) DAP([INFO-ONLY]);
Sub-Collections: NIC; Clerk: DAP;

Jack's File

I. Introduction, 1

This introduction explains the pyzazz system as implemented in our shop 1a

II. Background of Project, 2

This project started in 1972 at the probing of the dunkplop and was funded for \$355 megabucks, 2a

Due to limited space only 100 people were assigned to the project. However it was quickly recognized that this was too small a group to completely confuse the situation so that people would accomplish something useful. At that point the group was increased to 1000 and sufficient confusion reigned to make management feel that the project was worth while, 2b

The computer was selected before the project was begun so that it would be available for all possible uses, 2c

III. Methods, 3

The methods used in the project were developed as the project developed so that they would remain astirde the state-of-the-art. This meant that what was a good method one day was not necessarily a good method the next day so that multitudinous methods are to be used, 3a

IV. Summary and Conclusions, 4

Tentatively it has been decided that these methods are extremely effective as no one has found any fault in them. Indeed we have found very few people who have understood them. Therefore, we feel that the project should continue and the funding be increased an additional 50 megabucks, 4a

Jack's File

(J31428) 4=DEC-74 08:51;;; Title: Author(s): Michael A.
Robertazzi/MAR2; Distribution: /MAR2([INFO-ONLY]); Sub=Collections:
NIC; Clerk: MAR2; Origin: < ROBERTAZZI, MAR2,NLS;2, >, 30-NOV-74
12:19 MAR2 ;;;;###;

Top level view of the Feedback,feed file

Doug, This is response to your question yesterday,..for your information, An updated design document should be forthcoming, Thanks for your interest, Jim

Top level view of the Feedback,feed file

% Comments in percent signs; r = response made; a = followup action needed	1
(journal) Move to (author) when completed.	2
(msgin) Process commands branch	3
(message) (:xbb) All messages in this branch are acted upon in 2 working days.	4
(BUGS) To be fixed by Office=1 Software (JDH), RESPONSE BY FEEDBACK	5
(FIXED) Fixed by Office=1 Software (JDH), Final Response by Feedback	6
(db) Design bugs: NLS=8	7
(dr) Design recommendations	8
(author) Journal items RECEIVED AND ACTED UPON (with no further action pending, as well as authored are below.	9
(UTILITY) Items acted upon by Utility staff (Those from feedback = solution, explanation or action)	10
(NIC) Items directly concerning the NIC function.	11
(Tym)share: User already acknowledged, but have direct bearing on Tym Ops.	12
(system) System messages, retained for historical purposes.	13
(temp) *R work space	14

Top level view of the Feedback,feed file

(J31429) 4=DEC-74 09:17;;; Title: Author(s): James H. Bair/JHB;
Distribution: /DCE([INFO-ONLY]) RWW([INFO-ONLY]) SRL([INFO-ONLY]) JMB([INFO-ONLY]) JCN([INFO-ONLY]) RJ([INFO-ONLY]) ; Sub-Collections: SRI=ARC; Clerk: FEED; Origin: < FEEDBACK, DOUGMSG,NLS;1, >, 4=DEC-74 08:59 FEED ;;;;####;

nsrdccardimages

Jim,

1

I am still trying to get a new version of NSRDCARDIMAGES from here to there (hopefully, in a form more suitable for NLS-izing). As a start, I need to know the following:

1a

- Is it true that one (or more) leading blanks on a card causes that card to be treated as a statement to be placed one level down from the previous one

1a1

- Suppose that I have some arbitrary number of cards that I wish to be treated as one statement. Is there an NLS user program which, when pointed to the right place, concatenates n statements into one statement? Alternatively, is there a way to indicate to the program which is nls-izing a sequential file that the next n cards are really supposed to be one statement.

1a2

Just to refresh your memory, the only way from here (my CDC 6700) to there (Office-1) that I know of is to send a tape which is the equivalent of a box of cards (i.e., each record on the tape corresponds to one card image).

1b

Hope you have some words of wisdom on this.

1c

Regards, Frank

1d

nsrdccardimages

(J31430) 4-DEC-74 09:52;;; Title: (Unrecorded) Title: Author(s):
Frank G. Brignoli/FGB; Distribution: /JCN([ACTION]) JHB([INFO-ONLY
]) FEEDBACK([INFO-ONLY]) ; Sub-Collections: NIC FEEDBACK; Clerk:
FGB; Origin: < BRIGNOLI, SEND-TO,NLS;2, >, 4-DEC-74 09:50 FGB
;;;####;

New directories for AMC/BRL being process

Thanks for the new directories request; will get on it immediately.
FEED/Rob

New directories for AMC/BRL being process

(J31431) 4=DEC=74 10:35;;; Title: Author(s): Special Jhb
Feedback/FEED; Distribution: /SMT([INFO=ONLY]) ; Sub=Collections:
SRI=ARC; Clerk: FEED;

Sendmail form

I hope this is what you need.

Sendmail form

sorry my message to you was so cursory. When I sent it I was in elog and waiting to get kicked out. I'm sorry if my sendmail form is giving you problems but I suspect the problem may be more general than specific to me. Briefly my story is this, I have been using the journal system and now sendmail for over a year and a half. My usual method is to go to the subsystem and use the interrogate command. This works well for me except when, as now, I want to insert a message. My typing is not the Greatest, so I make many mistakes as I am doing right now. Sometimes instead of typing in the message I create a file, where I can edit and submit something a little more finished. With the New NLS I became reacquainted with the form. I created a new file and inserted the sendmail form and used it as it was. My mode of using it is to insert text, edit, go to sendmail and process the form. Then I delete modifications and I am set to do it again. The first couple of times I used the form I used it as the system generated it, assuming that the parts not filled in would be discarded. When I found that this was not so, I deleted the items in which I have no interest. Unfortunately I thought that I should leave in the NUMBER: and this I think is the cause of the problem. As far as I know there have been no problems since I deleted the NUMBER: entry. If there is let me know. This message is being sent to you using the form and, as I said, the form is in my directory <kennedy,sendmail,1:w>

1

Sendmail form

(J31432) 4=DEC-74 14:36;;; Title: Author(s): Edmund J.
Kennedy/EJK; Distribution: /JDH([ACTION]) FEED([INFO-ONLY]) ;
Sub-Collections: RADC; Clerk: EJK;

Address to send documentation for NSA people

Here is a copy of a message sent to feedback from LEE, For your reference,

1

4-DEC-74 1428-PDT%copy to bair, norton, Weinberg% LEE:
Distribution: FEEDBACK
Received at: 4-DEC-74 14:28:05

2

P>S> If you want to mail any of that documentation to the NSA people they suggested you use the following address:

2a

Mil Jernigan
P.O. Box 174
Annapolis Junction, MD 20701

2b

Cheers...

2c

Address to send documentation for NSA people

(J31433) 4-DEC-74 15:54;;; Title: Author(s): Special Jhb
Feedback/FEED; Distribution: /POOH([ACTION]) JCN([INFO-ONLY])
JHB([INFO-ONLY]) ; Sub-Collections: SRI-ARC; Clerk: FEED;

Frank: How about the info on packet sizes for NLS characters
transmitted over the ARPANET... Thanks, Herb

1

(J31436) 4-DEC-74 19:25;;; Title: Author(s): Herbert M. Ernst/HME;
Sub-Collections: NIC; Clerk: HME;

Missing dashes in OP

Dear Feedback,

I don't think your suggestion about my missing dashes will solve the problem. Take a look at these directives:

< POTTER, ADCLIM,NLS;9, >, 5-DEC-74 07:51 DAP ;;;;

Do they look consistent with your explanation? If so, please let me know; if not,..curses, foiled again!

As for now, off I go to try again with a whole new set of directives. Nothing fancy, so it might work.

Yours truly,

dave Potter

Missing dashes in OP

(J31437) 5-DEC-74 08:26;;; Title: Author(s): David A. Potter/DAP;
Distribution: /FEEDBACK([ACTION]) DAP([INFO-ONLY]) ;
Sub-Collections: NIC FEEDBACK; Clerk: DAP;

Thank You

Mike, thank you for the ride today. I appreciated it very much.

1

Thank You

(J31441) 5=DEC-74 08:35;;; Title: Author(s): Debbie L. Boeh/DLB2;
Distribution: /MAR2([ACTION]) ; Sub-Collections: NIC; Clerk: DLB2;

request for documentation from NSA via Sue Lee,

This a a message feedback received from Lee. If you run into problems or if someone else is suppose to handle this let feedback know. Thanks, Also let feedback know when material has been sent.
Rob

request for documentation from NSA via Sue Lee,

5. The NSA people would like some additional documentation that I don't have - if you'd like I'll forward this request on to the appropriate person (whoever that is) - they'd like 20 of the little viewspec cards to put on terminals, at least 3 TENEX Users Guides (Dean's version), and 25 ARPANET directories (2 for each NSA directory). Let me know or let Jess know if there's any problem with this.

1

request for documentation from NSA via Sue Lee.

(J31442) 6=DEC-74 09:16;;; Title: Author(s): Special Jhb
Feedback/FEED; Distribution: /POOH([ACTION]) ; Sub=Collections:
SRI=ARC; Clerk: FEED;

6 Dec 1974 Meeting on SAI Statement of Work.

The meeting was held to pound out the final version of the statement of work. Attendees: John Corbin, John Kaske, Ed LaForge, Ed Kennedy. The discussion concerned details on the handling of the symposia and meetings that ARPA wants SAI to administer under the new contract, the proposed sample GRC tasks and the form of the reporting to be required under the contract. Procurement is now finally satisfied and the PR Unit will be going full speed ahead, after we agree on the wording of the requirements for the reports. This is a small problem that needs to be followed closely in order to resolve it today. This will be done.

1

6 Dec 1974 Meeting on SAI Statement of Work.

(J31443) 6-DEC-74 09:25;;; Title: Author(s): Edmund J.
Kennedy/EJK; Distribution: /ELF([ACTION]) JLM([INFO-ONLY]) FJT(
[INFO-ONLY]) RDK([INFO-ONLY]) ARB([INFO-ONLY]) DLS([
INFO-ONLY]) ; Sub-Collections: RADC; Clerk: EJK;

letter from Williams at BNR re need for Turoff consulting

Dear Bill

1

I have discussed with Hilary our needs for Murray Turoff's advice in 1975.

2

I have concluded that there is no clear requirement that we can identify in terms of areas of work, where Murray's contribution is essential or is likely to make a significant difference to the quality of the work,

3

On a different topic, our design philosophy is intended to provide you with a mini-based CMI system in June 1975, which is to be used as a vehicle for experimentation and evaluation,

4

This is in accordance with a discussion I had with Mike during a project review meeting in Montreal.

5

Therefore, we are emphasizing speed of implementation and flexibility in the software strategy and de-emphasizing portability and standardization. This follows Mike's statement that he would not intend to market the June 75 system, but would have the software redesigned to allow for inclusion of the lessons learnt from evaluation of the June system,

6

Yours truly,

7

Barry Williams
Manager
MIS Consulting
Dept. 2J54

8

MIKE 6-DEC-74 09:40 31444

letter from Williams at BNR re need for Turoff consulting

(J31444) 6-DEC-74 09:40;;; Title: Author(s): Michael T.
Bedford/MIKE; Distribution: /LHD([INFO-ONLY]) ; Sub-Collections:
NIC; Clerk: MIKE;

Dashes in output processor.

Received your sendmail message (31437,) on 5 Dec; you should have a copy of the citation delivered to a branch in your initial file called 'author'.

Yes, I believe the OP manual must be wrong. YMax must be greater than $TM+BM+YPF+(\text{lines in footer})$. The directives you have violate this number. YMAX is defaulted to be 66, , $TM=2$, $BM=60$ $YPF=5$, total 67. I will try it myself but thought you should know as far as I saw your letter. Keep hanging in there, help is on the way in the form of Jim Bair. FEED/Rob

Dashes in output processor.

(J31445) 6=DEC-74 09:58;;; Title: Author(s): Special Jhb
Feedback/FEED; Distribution: /DAP([INFO=ONLY]) ; Sub=Collections:
SRI=ARC; Clerk: FEED;

sendmail form/ number

Received your sndmail item (31432,). Looks good.
Yes, indedd number is the problem unless you have a preassigned
number. Tha nks for informing us, FEED/Rob

1

FEED 6=DEC-74 10:23 31446

sendmail form/ number

(J31446) 6=DEC-74 10:23;;; Title: Author(s): Special Jhb
Feedback/FEED; Distribution: /EJK([INFO=ONLY]) ; Sub-Collections:
SRI=ARC; Clerk: FEED;

deletion of Idents requested by Bell tele, status

Marcia, just got a message re deleting PRM3 and RLT of Bell from the ident system. What is the status of this? Can we really delete them? Does the delete group work? Let us know so we can relay the info to Inex at Bell, thanks FEED/Rob

FEED 6=DEC-74 15:05 31448

deletion of Idents requested by Bell tele, status

(J31448) 6=DEC-74 15:05;;; Title: Author(s): Special Jhb
Feedback/FEED; Distribution: /MLK([ACTION]) ; Sub-Collections:
SRI=ARC; Clerk: FEED;

Ident Info for Mini Members

Bob,

1

I have placed a file MINI,NLS in the NALCON directory. This contains the directory information (including NLS idents) for the mini members. Please check it out and make any changes to it (e.g., adding J. Gregory Noel) and let me know when I can have it back.

1a

Regards, Frank

1b

Ident Info for Mini Members

(J31449) 6-DEC-74 19:31;;; Title: (Unrecorded) Title: Author(s):
Frank G. Brignoli/FGB; Distribution: /RWC([ACTION]);
Sub-Collections: NIC; Clerk: FGB;

Pullen Directory error -- Phone No, Area code

I just read thru my info to you relative to Dr. Pullen. The AREA CODE should be '301' -- instead of 310!!!! You may have already caught this "goof", but at any rate will you kindly see that it is corrected? Also, thanks for your help with the new directories, and [!], you patience, and hopefully your understanding, since I sent you -- "THE WHOLE THING" -- the entire contents of my working file, without really thinking. Thanks again. ANOTHER ITEM: ref: 'copy' command, Please add my hearty endorsement for you recommendation. ---STAN

1

SMT 7-DEC-74 08:11 31450

Pullen Directory error -- Phone No, Area code

(J31450) 7-DEC-74 08:11;;; Title: Author(s): Stan M. Taylor/SMT;
Distribution: /JHB([ACTION]) FEED([ACTION]) SMT([INFO-ONLY])
KAP([INFO-ONLY]) ; Sub-Collections: NIC; Clerk: SMT;

Your visit

The following are some points on which I'd like to get information, perhaps during your visit next week:

Output Processor:

Cost data on use of option COM. Userguide says that this option is expensive and tricky. How expensive? How tricky? Basically, could it be a cost-effective alternative to our present mode of report and proposal preparation (e.g., draft, revise, finalize, final typing of camera-ready copy, offset printing or Xerox)?

Other available print options. I know (I think?) that output can be routed to a remote printer. I suppose I might want to do this, for example to RUTGERS-TIP, in order to speed up the process.

How is this done? I don't mean just the commands, but also how I make sure someone at Rutgers knows what to do with the stuff.

Is there any point to doing this? Does it have any significant advantages over printing at SRI and having hardcopy delivered by mail?

Access to the system: what if I wanted to use OFFICE-1 as the basic communications system for a project in which I had sites scattered across the country?

Would there be any problem (economic or other) in adding directories, like one per site? Any limit on number -- yes, it's safe to assume a reasonable number, not something like fifty.

What about phone access from these sites? If they are near existing ARPANET sites, I suppose this would be no problem. This would probably be too good to be true, however. What about WATS line(s)? Have you explored this already? Any other ideas?

Statistical support available, e.g. canned programs:

I haven't yet received anything from JAKE on this. Meanwhile, FEEDBACK's suggestion re dir <NETINFO> has been most helpful in terms of getting some basic information. I've even managed to successfully connect to two other systems (CMU-10A & SRI-ARC); but this is of relatively little value because of difficulties in communication. SRI-ARC uses TENEX, so I can manage some dialog; but the system doesn't know me so it's not too friendly. CMU doesn't even speak TENEX, or else it doesn't understand my accent; and I think the <NETINFO> on accessing that system is out of date, as it wouldn't accept my login. Neither of these experiences is important in and of itself, but they are indicative of my lack of

Your visit

information on the resources of the system and how to tap those resources,

4a

At least some of my questions would probably be answered by relevant userguides. I know I've asked for some specific ones; let me supplement this request by asking for anything you think might be of use to me that's not too much trouble for you to bring,

5

DAP 9-DEC-74 06:45 31451

Your visit

(J31451) 9-DEC-74 06:45;;; Title: Author(s): David A. Potter/DAP;
Distribution: /JHB([ACTION]) DAP([INFO-ONLY]) EJA2([INFO-ONLY
]) ; Sub=Collections: NIC; Clerk: DAP;

Calculator subsystem

I haven't done much with the calculator subsystem, in part because it seems fairly unwieldy. Is it possible to operate across accumulators, as I think would be necessary for any reasonably simple computation of correlations, for which (ideally) it would be nice to be able to accumulate x , y , and xy simultaneously; or even for calculating variance and standard deviations, for which simultaneous accumulation of $\sigma-x$ and $\sigma-x(\text{squared})$ is most desirable. I can do the latter even on my handy-dandy pocket calculator; should I stick with that? Are there any user-progs to help with such things?

1

DAP 9-DEC-74 08:00 31452

Calculator subsystem

(J31452) 9-DEC-74 08:00;;; Title: Author(s): David A. Potter/DAP;
Distribution: /FEEDBACK([ACTION]) DAP([INFO-ONLY]);
Sub-Collections: NIC FEEDBACK; Clerk: DAP;

Calculator subsystem: an explanation

YES, you can save all accumulators, they are always saved unless you delete your calc file. When you goto calculator again you get a new (and cleared set) of accs, but if you want to use your past accs, just use the command USE SAVED=accumulators. This will bring back the last set of accs you were usng. You can clar the entire CALC file with CLEAR FILE rather than a CLEAR ACC command. This file is held just like any other NLS file across logins, etc. A string of **** seprate each session in this file, totals and accs can be viewed in it. At the moment there are no user progs for caluclating. Sosrry. WHY don't you talk it up arond the NLS cojmmunity. I will put it on the list of suggestions. Anther point: you might try process command and/or record session features to do repetitive caluclations. Some guys arond here have done some pretty fancy stuff with this. If you what more on this just ask. FEED/Rob

1

FEED 9=DEC=74 09:43 31453

Calculator subsystem: an explanation

(J31453) 9=DEC=74 09:43;;; Title: Author(s): Special Jhb
Feedback/FEED; Distribution: /DAP([ACTION]); Sub=Collections:
SRI=ARC; Clerk: FEED;

MIKE phone conversation with Macchia of AT&T

present address is 47 Church Street #201, NYC 10007 1

his new address wil be 1776 On-the-Green, Morristown, N.J. 07960 2

current phone no. is 212-349-7959, new phone will be 201-540-6748 3

This is the fellow that met larry on his most recent trip to san 4
diego;

he's in the long-range planning section of the Marketing Dep't. 5

I'll send him some doucmentary stuff on what we're up to, with 6
emphasis on home comm'ns.

He was especially inerested in the results of the Sears AOS 7
preliminary study results; I don't know yet how sensitive this stuff
is; I'd like to check with the sears people before releasing
anything on it.

MIKE 9-DEC-74 10:19 31454

MIKE phone conversation with Macchia of AT&T

(J31454) 9-DEC-74 10:19;;; Title: Author(s): Michael T.
Bedford/MIKE; Distribution: /LHD([INFO-ONLY]) ; Sub-Collections:
NIC; Clerk: MIKE;

Margins/ <CR> in NLSized SNDMSG

Unless the text file begins with <cntrl-a> all <CR> are deleted during the NLSizing of message.txt. This is the way NLS knows if the file was originally created by NLS then sequentialized and now ready for NLSizing. We are now coding up an option for turning this off when in the message subsystem. There is no date pending on when this will be done. I suggest you use copy sequential using one of the options to prevent this. It might be that even then margins will be destroyed. You can't expect margins to line up for columns if noone knows at what level the text will be placed. If you have a suggestion on a reasonable algorithm let us know, thanks, FEED/Rob

1

Margins/ <CR> in NLSized SNDMSG

(J31455) 9-DEC-74 13:04;;; Title: Author(s): Special Jhb
Feedback/FEED; Distribution: /JAKE([INFO=ONLY]) ; Sub=Collections:
SRI=ARC; Clerk: FEED;

Bad file after Delete Modifications

the bad file must have been just a random event, I cannot duplicate it either at OFFICE=1 or at ARC. Let me know if it occurs again and the surrounding circumstances beyond the delete modification command, Thanks FEED/Rob

1

FEED 9=DEC=74 13:11 31456

Bad file after Delete Modifications

(J31456) 9=DEC=74 13:11;;; Title: Author(s): Special Jhb
Feedback/FEED; Distribution: /JAKE ([INFO-ONLY]) ; Sub-Collections:
SRI=ARC; Clerk: FEED;

nsatrip

Sue,

nsatrip is locked. As soon as its opened I'll be happy to comment.

...Jess

nsatrip

(J31457) 10-DEC-74 04:58;;; Title: Author(s): Jesse N. Hill/JNH;
Distribution: /SRL([INFO=ONLY]) ; Sub=Collections: NIC; Clerk: JNH;

MESS C: Sort problem

After hitting "q for help on the sort command in message subsystem, it came back with "fst entry nonexistant", Assuming no help available, I executed the command

MESS C: S[ort] C: M[essage (Plex at)] A: msg, 1<ca>

whereupon it blew up with

```

ILLEGAL INSTRUCTION R4,,R4 = 4,,4
      at          SORT = 562336
Illegal instruction executed
R1/  R2 = 2
R2/  R0 = 0
R3/  21 = 21
S/   772273,,GSTACK+273 = 77273,,16003
M/   " " " " " "

```

Good luck,,, Jess

1

MESS C: sort problem

(J31458) 10-DEC-74 05:48;;; Title: Author(s): Jesse N. Hill/JNH;
Distribution: /FEED([INFO-ONLY]); Sub-Collections: NIC; Clerk:
JNH;

CALCULATOR

Dear Feedback,

Thanks for your message re calculator. I think the basic problem with using CALC the way I want to, though, is that accumulators do just what the name implies: they accumulate. What I want to do is something like this:

X	Y	X*X	Y*Y	X*Y
2,3	4,1	5,29	16,8	9,43
3	2	9	4	6
5	4	25	16	20

10,3 10,1 39,3 36,8 35,4

In other words, I don't want accumulating done until after other operations have been performed on the numerical data. This is a relatively easy programming job for a literate individual, which I am not. Nevertheless, I know what I'm looking for: a programmable desk calculator. Right now CALCULATOR functions like an idiot savant; it does a lot of very simple things well. It seems as if it should be capable of more. After all, if programmable calculators can be put in your briefcase (not mine, I can't afford one), it seems to me that a PDP-10 should be able to perform as well.

So yes, please, I would like to learn more about what others have been able to do with the present system, as well as any thoughts on how it might be improved upon.

Yours, Dave P.

CALCULATOR

(J31459) 10-DEC-74 07:23;;; Title: Author(s): David A. Potter/DAP;
Distribution: /FEEDBACK([ACTION]) DAP([INFO-ONLY]);
Sub-Collections: NIC FEEDBACK; Clerk: DAP;

basic info from brl students about themselves and their friends

(FORM)

1

Directory name: long
 Ident: aml
 Account: same as architect
 Password: aml
 Disk pages: 300
 Allocation group: brl
 Default protection: 770000
 Person's name: anna m, long

1a

Ident Info:

1b

Address:

1b1

usa,brl
 attn:amxbr=ib
 aberdeen proving ground, md, 21005

1b1a

Phone:

1b2

301-278-4521

1b2a

basic info from brl students about themselves and their friends

(J31460) 10-DEC-74 07:35;;; Title: Author(s): Herbert S,
Mitchell/HSM; Distribution: /JHB([ACTION]) SMT([INFO-ONLY]) ;
Sub-Collections: NIC; Clerk: HSM;

br1 nls students

Address:

13221fork rd. baldwin,md,21013

1

1a

brl nls students

(J31461) 10-DEC-74 07:38;;; Title: Author(s): Carol R. Ayers/CRA;
Distribution: /JHB([ACTION]) DFT([INFO-ONLY]) ; Sub-Collections:
NIC; Clerk: CRA;

info about brl students

(FORM)

1

Directory name: alewis
Ident: ajl
Account: same as architect
Password: ajl
Disk pages: 300
Allocation group: brl
Default protection: 770000
Person's name: alma j lewis

1a

Ident Info:

1b

Address:

1b1

5001 eisenhower ave., alexandria va,va, 22333

1b1a

Phone:

1b2

(202) 274-9122

1b2a

info about brl students

(J31462) 10-DEC-74 07:38;;; Title: Author(s): Pat C. Roberts/PCR;
Distribution: /JHB([ACTION]) SMT([INFO=ONLY]) ; Sub-Collections:
NIC; Clerk; PCR;

more basic info from the brl students, letting the world know of their interest in the nls,

(FORM)

1

Directory name: vongehren
 Ident: evg
 Account: same as architect
 Password: ed
 Disk pages: 300
 Allocation group: brl
 Default protection: 770000
 Person's name: e, s, von gehren

1a

Ident Info:

1b

Address:

1b1

hq amc
 5001 eisenhower ave,
 alexandria, va, 22333
 attn: amcms-i

1b1a

Phone:

1b2

202-274-8949

1b2a

more basic info from the brl students, letting the world know of their interest in the nls.

(J31463) 10-DEC-74 07:40;;; Title: Author(s): Herbert S. Mitchell/HSM; Distribution: /JHB([ACTION]) SMT([INFO-ONLY]) ; Sub-Collections: NIC; Clerk: HSM;

info about brl students

(FORM)

1

Directory name: biederman
 Ident: fab
 Account: same as architect
 Password: fab
 Disk pages: 300
 Allocation group: BRL
 Default protection: 770000
 Person's name: fred a, biederman

1a

Ident Info:

1b

Address:

1b1

5001 eisenhower ave,, alexandria, va, 22333

1b1a

Phone:

1b2

(202) 274-8344

1b2a

info about brl students

(J31464) 10=DEC=74 07:41;;; Title: Author(s): Pat C. Roberts/PCR;
Distribution: /JHB([ACTION]) SMT([INFO-ONLY]) ; Sub=Collections:
NIC; Clerk: PCR;

info about brl students

(FORM)

1

Directory name: alewis
 Ident: ajl
 Account: same as architect
 Password: ajl
 Disk pages: 300
 Allocation group: brl
 Default protection: 770000
 Person's name: alma j lewis

1a

Ident Info:

1b

Address:

1b1

5001 eisenhower ave,, alexandria va,va, 22333

1b1a

Phone:

1b2

(202) 274-9122

1b2a

info about brl students

(J31465) 10-DEC-74 07:42;;; Title: Author(s): Pat C. Roberts/PCR;
Distribution: /JHB([ACTION]) SMT([INFO-ONLY]) ; Sub-Collections:
NIC; Clerk: PCR;

xxx

(FORM)

1

Directory name: biederman
 Ident: fab
 Account: same as architect
 Password: fab
 Disk pages: 300
 Allocation group: BRL
 Default protection: 770000
 Person's name: fred a. biederman

1a

Ident Info:

1b

Address:

1b1

5001 eisenhower ave., alexandria, va, 22333

1b1a

Phone:

1b2

(202) 274-8344

1b2a

xxx

(J31466) 10-DEC-74 07:44;;; Title: Author(s): Pat C. Roberts/PCR;
Distribution: /JHB([ACTION]) SMT([INFO-ONLY]) ; Sub-Collections:
NIC; Clerk: PCR;

brl student addendum,

to ident 'evg' add group 'amc-mis',

brl student addendum.

(J31467) 10-DEC-74 07:53;;; Title: Author(s): Herbert S.
Mitchell/HSM; Distribution: /JHB([ACTION]) SMT([INFO-ONLY]) ;
Sub-Collections: NIC; Clerk: HSM;

brl nls students

(FORM)

1

Directory name:	sandusky
Ident:	ams
Account:	same as architect
Password:	fishing
Disk pages:	300
Allocation group:	brl
Default protection:	770000
Person's name:	sandusky

1a

Ident Info:

1b

Address:

1b1

2911 grafton lane, churchville, md, 21028

1b1a

Phone:

1b2

278-4087

1b2a

brl nls students

(J31468) 10-DEC-74 07:59;;; Title: Author(s): Carol R. Ayers/CRA;
Distribution: /JHB([ACTION]) SMT([INFO-ONLY]) DFT([INFO-ONLY]
); Sub-Collections: NIC; Clerk; CRA;

brl nls students

(FORM)

1

Directory name: samos
Ident: gs
Account: same as architect
Password: camera
Disk pages: 300
Allocation group: brl
Default protection: 770000
Person's name: samos

1a

Ident Info:

1b

Address:

1b1

13221fork rd, baldwin,md,21013

1b1a

Phone:

1b2

278-2411

1b2a

brl nls students

(J31469) 10-DEC-74 08:05;;; Title: Author(s): Carol R. Ayers/CRA;
Distribution: /JHB([ACTION]) SMT([INFO-ONLY]) ; Sub-Collections:
NIC; Clerk: CRA;

reservations

Please let me know as soon as possible what you want done about reservations, if anything (see my msg of yesterday for options). The conference Center has a room for you for the night of the fifteenth, but is as you said booked up for the sixteenth; they have you on a waiting list, but I wouldn't count on this. Want me to reserve a room for you elsewhere? If so, for both nights or just for Monday?

1

reservations

(J31470) 10-DEC-74 08:57;;; Title: Author(s): David A. Potter/DAP;
Distribution: /JHB([ACTION]) DAP([INFO-ONLY]) ; Sub-Collections:
NIC; Clerk: DAP;

New Idents

Please add the following idents	1
Mil E Jernigan (MEJ)	1a
P.O. Box 174	
Annapolis Junction, Md, 20701	1a1
Access to:	1a2
ROBERTAZZI	1a2a
NSA	1a2b
HELP	1a2c
Roxanne W Gearhart	1b
Director National Security Agency..., etc	
Attn: Roxanne Gearhart, C44	1b1
Access to:	1b2
NSA	1b2a
HASSING	1b2b
William D Cox (suggested id COX)	1c
Director etc,.,.	
Attn: William Cox, C44	1c1
Access to:	1c2
NSA	1c2a
HASSING	1c2b
Jane A Tanavage	1d
Director etc,.,.	
Attn: Jane Tanavage, R	1d1
Access to:	1d2
NSA	1d2a
MADDEN	1d2b

New Idents

Also, I spelled McCloghrie's name wrong for his directory. Please
rename the directory MCCLOGRIE to MCCLOGHRIE,

2

Thanks... Jess

3

New Idents

(J31471) 10-DEC-74 15:14;;; Title: Author(s): Jesse N. Hill/JNH;
Distribution: /JCN([ACTION]) BOBM([ACTION]) JHB([ACTION])
TEH([INFO-ONLY]) MAR2([INFO-ONLY]) RWM([INFO-ONLY]);
Sub-Collections: NIC; Clerk: JNH; Origin: < HILL, NEWID,NLS;1,
>, 4-DEC-74 06:01 JNH ;;;###;

sug: help database/ message subsystem

If someone else hsuld receive this or a copy of this let me know so
future help databse suggestions can be routed properly. Thanks.

sug: help database/ message subsystem

If you go into help using the test 'message sort' and choose item 3, the resulting info is merely a menu item, OK But it is the first line of the test under that item, That is, there is no header or title for it, It looks funny since it is broken off in the middle of the sentence, SUG: give a title for item, FEED/Rob

1

FEED 10-OCT-74 13:50 31472

sug: help database/ message subsystem

(J31472) 10-OCT-74 13:50;;; Title: Author(s): Special Jhb
Feedback/FEED; Distribution: /KIRK([ACTION]); Sub-Collections:
SRI-ARC; Clerk: FEED;

Help database / message sort information

The illegal instruction problem occurs when things get fouled up. In this case the source of the problem could have been the search for information after the "q. Apparently it goes into a loop after typing sort in the message subsystem (after "q). Tried it twice with considerable CPU time used. Did not get any error messages but it is conceivable that that would occur given other conditions. If you can duplicate it let us know the set of circumstances. Try Help message<CA> or Help sort<CA> for some aid in this area. In general user subsystems are not well documented (if at all). This is only partially due to the fact that they are not considered part of NLS proper. In the case of message, I believe we stand behind it and will forward suggestion to increase the documentation in the help database on it. Thanks for the suggestion. Keep such coming.

FEED/Rob

Help database / message sort information

(J31473) 10-OCT-74 13:59;;; Title: Author(s): Special Jhb
Feedback/FEED; Distribution: /JNH([INFO-ONLY]); Sub-Collections:
SRI-ARC; Clerk: FEED;

Clear tty window bug

thanks for the bug report, will get the people working on it.
FEED/Rob

Clear tty window bug

(J31474) 10-OCT-74 14:57;;; Title: Author(s): Special Jhb
Feedback/FEED; Distribution: /POOH([INFO=ONLY]) ; Sub-Collections:
SRI=ARC; Clerk: FEED;

Using the calculator / using #n for the accumulator value

Thanks for pushing a little used system. Do you know about the evaluate command? <>Evaluate expression<CA>operator<CA> <CA> where expression is any string of numbers and operators (+=/*) as well as parentheses. The system will compute the value of the expression and then (after showing you the result) give you the opportunity to add/subtract/divide/multiple it with the 'in=use' accumulator, 1

This might help in some of the things you would like to do, 2

More appropriately one can specify the value of an accumulator as a number to operate on. So, instead of adding 3 to accumulator, #3 will add the value of accumulator 3, NEAT. One problem: there is a bug which will not allow you to use #n in other than the Evaluate command expression, 3

I think what you would like to do is possible, admittedly somewhat indirect, by using the use command, evaluate command, and pound sign. Have 5 accs each accumulate X, Y, XY, XX, YY respectively. This probably could be simplified by having a process command branch prepared, 4

As far as further training in the calculator, etc. it is best you talk to Jim Bair or one of his trainers when they arrive at your site. Keep the questions coming in any case and if we are not about to pay a visit then please feel free to contact us via feedback or Bair directly via phone. Thanks FEED/Rob 5

Using the calculator / using #n for the accumulator value

(J31475) 10-OCT=74 15:21;;; Title: Author(s): Special Jhb
Feedback/FEED; Distribution: /DAP([ACTION]) ; Sub-Collections:
SRI=ARC; Clerk: FEED;

BUG: #n does not work in calculator wherever NUM is accepted

Only in the expression in the evaluate command will #n work. Recall this represents the value of the accumulator n. In particular, it does not work after any of the operators e.g., add #3<CA>.

1

RLL 10-OCT-74 15:29 31476

BUG: #n does not work in calculator wherever NUM is accepted

(J31476) 10-OCT-74 15:29;;; Title: Author(s): Robert N.
Lieberman/RLL; Distribution: /FEED([ACTION]) JDH([INFO-ONLY])
EKM([INFO-ONLY]) ; Sub-Collections: SRI=ARC; Clerk: FEED;

Bug: Calc file 'readout' at random times/ overwriting good text

At unknown times in the calculator subsystem, I am getting a 'readout' of what is in the calc file. this is ruining the display screen (i am usng the LP) It would be nice to sen this via a command but I am only adding, evaluating, etc, and it appears all of a sudden. Tell me the conditions when I can make it appear, thanks

1

RLL 10-OCT-74 15:36 31477

Bug: Calc file 'readout' at random times/ overwriting good text

(J31477) 10-OCT-74 15:36;;; Title: Author(s): Robert N.
Lieberman/RLL; Distribution: /FEED([ACTION]); Sub-Collections:
SRI-ARC; Clerk: FEED;

sug: add info on #n for calculator subsystem

I cannot find any info on #n, wich represents the value of the accumulator n, there is also a bug that has been reported u sould be aware of, #n doe s not work exceptu in the evaluate command. Also, if one types "G in the message subsystem after 'sort' the help command goes into a long loop, or it appears to do so. Twice it took over 45 cpu seconds without resonding. Thanks RObert

1

sug: add info on #n for calculator subsystem

(J31478) 10-OCT-74 15:48;;; Title: Author(s): Special Jhb
Feedback/FEED; Distribution: /KIRK([ACTION]) ; Sub-Collections:
SRI-ARC; Clerk: FEED;

Frank: Do you want your file Memo any longer ??

1

(J31479) 10-DEC-74 19:48;;; Title: Author(s): Herbert M.
Ernst/HME; Sub-Collections: NIC; Clerk: HME;

nsatrip

Sue,
Report looks good to me, 2 minor changes:
- I wasn't there the 5th
- spell Jane's last name Tanavage

Hope to see you Thurs.,, Jess

1

nsatrip

(J31480) 11-DEC-74 06:48;;; Title: Author(s): Jesse N. Hill/JNH;
Distribution: /SRL([INFO-ONLY]) ; Sub=Collections: NIC; Clerk: JNH;

test of sendmail

This is a test of the nls system that is to be typed in with more than one line of text to demonstrate the capability of typing in more than one line, it will automatically format . Obviously this text will require a lot of editing,

1

this is a test of inserting multiple statements without using the insert statement for each paragraph

2

I just used the control e to terminate a paragraph,

3

test of sendmail

(J31481) 11=DEC-74 08:23;;; Title: Author(s): John C. Gilbert/JCG;
Distribution: /RPU([ACTION]) ; Sub=Collections: NIC; Clerk: JCG;
Origin: < GILBERT, BLAP,NLS;2, >, 11=DEC-74 08:11 JCG ;;;;###;

Request for Comments 674
NIC 31484

Jon Postel
Jim White
SRI=ARC
12 December 1974

Procedure Call Protocol Documents
Version 2

As many of you may know SRI is part of a team working on the National Software Works project. In the course of our work we have developed a Procedure Call Protocol to be used between the modules which make up the NSW, we are interested in your comments on this protocol. Please forward your remarks to either:

James E. White (WHITE@SRI-ARC) or Jon Postel (POSTEL@SRI-ARC)

Augmentation Research Center
Stanford Research Institute
Menlo Park, California 94025

(415) 326-6200 x2960 (White) or x3718 (Postel)

This note announces the release of the second published version of several National Software Works (NSW) and Procedure Call Protocol (PCP) documents. Version 2 is SUBSTANTIALLY different than Version 1; it and all intermediate, informally distributed PCP documents are obsoleted by this release.

Each of the following documents is available on-line in two forms: as an NLS file and as a formatted text file. The Journal number (e.g. 24459) refers to the former, of course, and the pathname (e.g. [SRI=ARC]<NLS>PCP.TXT) to the latter, accessible via FTP using USER=ANONYMOUS and PASSWORD=GUEST (no account required). Let it be emphasized that files indicated by pathname of the form [SRI=ARC]<NLS>name.TXT are ASCII text files not NLS files.

The specifications are contained in the following documents:

HOST (24581,) "NSW Host Protocol"

This document describes the host level protocol used in the NSW. The protocol is a slightly constrained version of the standard ARPANET host to host protocol. The constraints affect the allocation, RFNM wait, and retransmission policies.

Pathname: [SRI=ARC]<NLS>HOST.TXT	5a1a
PCP (24459,) "The Procedure Call Protocol"	5b
This document describes the virtual programming environment provided by PCP, and the inter-process exchanges that implement it.	5b1
Pathname: [SRI=ARC]<NLS>PCP.TXT	5b1a
PIP (24460,) "The Procedure Interface Package"	5c
This document describes a package that runs in the setting provided by PCP and that serves as a procedure-call-level interface to PCP proper. It includes procedures for calling, resuming, interrupting, and aborting remote procedures.	5c1
Pathname: [SRI=ARC]<NLS>PIP.TXT	5c1a
PSP (24461,) "The PCP Support Package"	5d
This document describes a package that runs in the setting provided by PCP and that augments PCP proper, largely in the area of data store manipulation. It includes procedures for obtaining access to groups of remote procedures and data stores, manipulating remote data stores, and creating temporary ones.	5d1
Pathname: [SRI=ARC]<NLS>PSP.TXT	5d1a
PMP (24462,) "The Process Management Package"	5e
This document describes a package that runs in the setting provided by PCP and that provides the necessary tools for interconnecting two or more processes to form a multi-process system (e.g. NSW). It includes procedures for creating, deleting, logically and physically interconnecting processes, and for allocating and releasing processors.	5e1
Pathname: [SRI=ARC]<NLS>PMP.TXT	5e1a
PCPFMT (24576,) "PCP Data Structure Formats"	5f
This document defines formats for PCP data structures, each of which is appropriate for one or more physical channel types.	5f1
Pathname: [SRI=ARC]<NLS>PCPFMT.TXT	5f1a

PCPHST	(24577,)	"PCP ARPANET Inter-Host IPC Implementation"	5g
		This document defines an implementation, appropriate for mediating communication between Tenex forks, of the IPC primitives required by PCP.	5g1
		Pathname: [SRI=ARC]<NLS>PCPHST.TXT	5g1a
PCPFRK	(24578,)	"PCP Tenex Inter-Fork IPC Implementation"	5h
		This document defines an implementation, appropriate for mediating communication between processes on different hosts within the ARPANET, of the IPC primitives required by PCP.	5h1
		Pathname: [SRI=ARC]<NLS>PCPFRK.TXT	5h1a
EXEC	(24580,)	"The Executive Package"	5i
		This document describes a package that runs in the setting provided by PCP. It includes procedures and data stores for user identification, accounting, and usage information.	5i1
		Pathname: [SRI=ARC]<NLS>EXEC.TXT	5i1a
FILE	(24582,)	"The File Package"	5j
		This document describes a package that runs in the setting provided by PCP. It includes procedures and data stores for opening, closing, and listing directories, for creating, deleting, and renaming files, and for transferring files and file elements between processes.	5j1
		Pathname: [SRI=ARC]<NLS>FILE.TXT	5j1a
BATCH	(24583,)	"The Batch Job Package"	5k
		This document describes a package that runs in the setting provided by PCP. It includes procedures for creating and deleting batch jobs, obtaining the status of a batch job, and communicating with the operator of a batch processing host. This package is implemented at the host that provides the batch processing facility.	5k1
		Pathname: [SRI=ARC]<NLS>BATCH.TXT	5k1a
RJE=MODEL	(24655,)	"The NSW Remote Job Entry Model"	5l

This document discusses the process of utilizing a batch processing facility to complete a programming task in the NSW environment. This same activity in another environment might utilize a remote job entry system,

511

Pathname: [SRI=ARC]<NLS>RJE=MODEL.TXT

511a

LLDEBUG (24579,) "The Low-Level Debug Package"

5m

This document describes a package that runs in the setting provided by PCP. It includes procedures for a remote process to debug at the assembly-language level, any process known to the local process. The package contains procedures for manipulating and searching the process' address space, for manipulating and searching its symbol tables, and for setting and removing breakpoints from its address space. Its data stores hold process characteristics and state information, and the contents of program symbol tables.

5m1

Pathname: [SRI=ARC]<NLS>LLDEBUG.TXT

5m1a

TBH (24656,) "NSW Requirments on Tool Bearing Hosts"

5n

This document discusses the environment needed in the tool bearing host and the interfaces to the operating system components by various PCP packages,

5n1

Pathname: [SRI=ARC]<NLS>TBH.TXT

5n1a

BOXES (24584,) "Black Boxes in PCP"

5o

This document describes the transliteration of the black boxes defined by Millstein and Warshall into the setting provided by PCP, especially the File Package and the Executive Package,

5o1

Pathname: [SRI=ARC]<NLS>BOXES.TXT

5o1a

The document on the Host level protocol, HOST, is a suggestion for some restrictions on the regular ARPANET host protocol for use in NSW, this topic has little impact on the remainder of the NSW protocols. The reader is urged to begin with the major Procedure Call Protocol documents,

6

The document on PCP is the place the interested reader should start. It gives the required motivation for the Protocol and states the substance of the Protocol proper,

7

The reader may then proceed to the next three documents: PIP, PSP and PMP. The latter has the most relevance to the casual reader; the programmer faced with coding in the PCP environment should read all three,

8

The three documents PCPFMT, PCPHST, and PCPFRK specify low level details of the communication formats and are of interest only to PCP implementers,

9

The documents EXEC, FILE and BATCH describe procedure packages to be implemented as appropriate to provide the services of the accounting/status/usage statistics subsystem, the file subsystem or batch processing subsystem respectively,

10

The document RJE=MODEL describes how a user would utilize various tools in the NSW in the process of carrying out tasks he might in the absence of NSW achieve using a remote job entry system. This should be read with the document on BATCH,

11

The LLDEBUG package specifies a debugging package that operates in the PCP environment,

12

The document called BOXES describes a mapping between the PCP mechanisms and the File Package procedures and the Black Boxes needed by the Works Manager,

13

The document TBH speaks to the requirements placed on the Tool Bearing Host, This document indicates how and where various PCP packages interface to an operating system,

14

NWG/RFC# 674
Procedure Call Protocol Documents

JBP 11-DEC-74 18:04 31484

(J31484) 11-DEC-74 18:04;;; Title: Author(s): Jonathan B.
Postel/JBP; Distribution: /NAG([ACTION]) NLG([ACTION]) NSW([ACTION]) PI([ACTION]) ; Sub-Collections: NIC NWG SRI-ARC NAG NLG
NSW PI; RFC# 674; Clerk: JAKE; Origin: < NETINFO, RFC674,NLs;2,
>, 11-DEC-74 17:58 JAKE ;;;;###;

test transmission

This is a test of the nls system that is to be typed in with more than one line of text to demonstrate the capability of typing in more than one line, it will automatically format . Obviously this text will require a lot of editing,

1

this is a test of inserting multiple statements without using the insert statement for each paragraph

2

I just used the conrol e to terminate a paragraph.

3

test transmission

(J31486) 11-DEC-74 10:57;;; Title: Author(s): John C. Gilbert/JCG;
Distribution: /JCG([ACTION]); Sub-Collections: NIC; Clerk: JCG;
Origin: < GILBERT, BLAP,NLS;2, >, 11-DEC-74 08:11 JCG ;;;;###;

Bad bugs list

Thanks for the list of bugs will pass them along, FEED/Rob

1

Bad bugs list

(J31487) 11-DEC-74 12:00;;; Title: Author(s): Special Jhb
Feedback/FEED; Distribution: /KIRK([INFO=ONLY]); Sub-Collections:
SRI=ARC; Clerk: FEED;