

JHB 27-AUG-74 17:55 31028

Arrangements for the Architect's Seminar

(J31028) 27-AUG-74 17:55; Title: Author(s): James H. Bair/JHB;  
Distribution: /KWAC; Sub=Collections: SRI=ARC KWAC; Clerk: FEED;

Arrangements for the Architect's Seminar

In case any of you haven't made arrangements yet for the Architect's seminar (motel, transportation, etc.) I'll be glad to set you up,  
Jim

SMT 2-SEP-74 15:32 31030

RESERVATIONS FOR KWAC SESSIONS 'ON-SITE' TRAINING.

(J31030) 2-SEP-74 15:32; Title: Author(s): Stan M. Taylor/SMT;  
Distribution: /JHB JCN; Sub=Collections; NIC; Clerk: SMT;  
Origin: <TAYLOR>JRNLMMSG,NLS;2, 2-SEP-74 15:24 SMT ;

## RESERVATIONS FOR KWAC SESSIONS 'ON-SITE' TRAINING.

\*\*\*----> Jim and Jim\*\*\*---->

There are two subjects to consider --- at this late date:

ONE: RESERVATIONS FOR THE KWAC MEETING

TWO: PROPOSED 'ON-SITE' TRAINING AT THE BRL

I got your note w/r Reservations, and yes, I would like you to help 'little ole me' with reservations. JCN said something about the MERMAID, but I would think the only reason for making a choice is to be at the same location as those other 'Cats in the KWAC'. I am sure that you know that those of us who work for the Gov't have a desire to keep Room Rent to a modest level.

Admonitions; cautions; etc.; we live on per diem of \$25/day,

I will arrive sometime Sunday evening, and will have a Rental Car --- so no need to worry about my transportation. I will be coming from Salt Lake City - hopefully in the early evening. These arrangements are Yet to be made.

I will not bring a terminal -- unless I get instructions to the contrary!

## ITEM NUMBER TWO

JCN and I made a tentative plan to set up the training exercises during the week following the KWAC sessions.

Perhaps we should have a phone conversation on the subject:

I would like to get some sort of notice out to our people, and such things as scheduling, class periods, time of day, subject, length of sessions, length of course you would recommend, etc.

I believe that I have at least two Secretarial types interested, and hopefully, there will be at least two or three more -- as a bare minimum. BUT --- I have not sent out any notice, as yet.

I would think that the notice should go out either Tuesday or Wednesday --- though Tuesday seems a little presumptuous.

[Composed at home --- on my Holiday - Labor Day]

STAN TAYLOR BRL

PF 3-SEP-74 10:04 31031

AT&T

(J31031) 3-SEP-74 10:04; Title: Author(s): Phil Feldman/PF;

Distribution: /; Sub=Collections: NIC; Clerk: PF;

AT&amp;T

Date: Sept, 3, 1974, 1

Memo to: Larry Day 2

Memo from: Philip Feldman 3

Subject: Cross Impact Consultation Given to AT&amp;T 4

The purpose of the following memo is to record an ad hoc arrangement in which AT&T is obtaining consultation advice from the Business Planning Group: 5

1) Mr. D. Garvey and Mr. S. Thangavelu phoned Phil Feldman on several occasions in early April to enquire as to the relative strengths and weaknesses of several approaches to cross impact, especially those based on Julius Kane's approach and Murray Turoff's version, 6

2) While at a conference in New York, Phil Feldman met with Mr. S. Thangavelu, Mr. D. Garvey, Mr. J. Howlett and Mr. J. Griffin at AT&T on April 24. It was generally agreed that it would be mutually beneficial to co-operate by having a cross impact program transmitted to AT&T in return for access to the results of any exercises using the program, 7

3) The program listing and accompanying cards were sent to S. Thangavelu on May 13, 8

Mr. D. Garvey discovered that a corporate planning group at AT&T was interested in applying cross impact in the policy area and arranged a meeting in Montreal for July 29. Present were Mr. J. Wangelin, Mr. C. Stubbs, Mr. M. Friduss, Mr. D. Garvey and Mr. J. Griffin, along with Phil Feldman and Don Atkinson, 9

As a result of the meeting, the policy group significantly altered its approach to take into account certain recommendations based on the BPG experience. A large matrix describing the policy environment of AT&T was transmitted to the BPG on Aug. 14 and suitably manipulated with our existing computer program. The results were discussed and analysed in Montreal by Phil Feldman and Mr. J. Wangelin on August 30, 10

AT&T

(J31032) 3-SEP-74 10:06; Title: Author(s): Phil Feldman/PF;  
Distribution: /PF LHD DMA KSH; Sub-Collections: NIC; Clerk: PF;

AT&amp;T

Date: Sept, 3, 1974, 1

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Memo from: Philip Feldman 3

Subject: Cross Impact Consultation Given to AT&amp;T 4

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MIKE 3-SEP-74 13:37 31033

copy of feedback response to MIKE query on message name5

(J31033) 3-SEP-74 13:37; Title: Author(s); Michael T. Bedford/MIKE;

Distribution: /PAN MIKE; Sub=Collections; NIC; Clerk; MIKE;

MIKE 3-SEP-74 13:37 31033

copy of feedback response to MIKE query on message names

he's getting pretty spry in his old age; responses are faster than  
ever; haven't checked on the accuracy yet ==mike

copy of feedback response to MIKE query on message names

Mike, Can't wait till you're using the new NLS so that we can do something about bugs that bite you. The only way to use names other than ,NAME is \*name which should take you to the next occurrence from you the current location. When you use name in file with a number of similar names, it will take you to a seemingly random order unless you output file to new version. (This I consider a bug, although some programmers may disagree with me.)

Your other question may not be resolvable, but I'll take it to programmer and see what I can find out.

How would you like to be one of the first to use new NLS? Like in a week or so... Kidding aside, it would be a great opportunity for us to find out about bugs! Anyway, more later, Jim

1

Proposal for a 'Library' File

(J31034) 4-SEP-74 14:23; Title: Author(s): Edmund J. Kennedy/EJK;

Sub=Collections: RADC; Clerk: EJK;

Origin: <KENNEDY>LIBRARY,NLS;1, 22-AUG-74 10:35 EJK ;

## Proposal for a 'Library' File

## INSTRUCTIONS

All new items will be entered in the following branch called  
ENTRY,  
The format will be the following:

## AUTHOR

Title  
Periodical Name And Date And Pages (If A Reprint)  
Location

If there are several items to be entered at the same time it is  
preferable to type them all in lower case and then xset, rather  
than to try to type them on the machine properly.  
They should be edited to insure correctness, the AUTHORS set in  
UPPER CASE and the Rest Of The Material In Uppercase Initials,  
After insuring correctness each branch should be copied and then  
the statements containing the author(s) and the title should be  
transposed,

Where there are two authors the entire original branch should be  
copied and in that copy only the authors should be transposed  
using the transpose text command.  
Then the items should be copied into the AUTHOR and TITLE branches  
below. This is best done on the IMLAC,  
The best procedure is to JUMP to ITEM, bug the first item in the  
plex under ENTRY using the viewspec x. You can start by moving  
the branches or groups into the AUTHOR branch, down of course,  
If you complete the authors first, you will be left with the  
titles, then you can move the plex containing just the titles into  
the TITLES branch, down.

ENTRY  
AUTHOR

ANKENBRANDT, F, L,

Electronic Maintainability - Vol 3  
EJK Office

BERNARD, EUGENE E, AND KARE, MORLEY R,

Biological Prototypes And Synthetic Systems  
EJK Office

COHEN, MORRIS R, AND NAGEL, ERNEST

Introduction To Logic And Scientific Method, An  
EJK Office

1

1a

1b

1b1

1b1a

1b1b

1b1c

1c

1d

1e

1f

1g

1h

1i

2

3

3a

3a1

3a2

3b

3b1

3b2

3c

3c1

3c2

## Proposal for a "Library" File

COMMITTEE ON COLORIMETRY - OPTICAL SOCIETY OF AMERICA	3d
The Science Of Color	3d1
EJK Office	3d2
LEAVITT, HAROLD J.	3e
Managerial Psychology	3e1
EJK Office (NOTE: This book is from the USC course but it is personal property. However, it will be loaned to RESPONSIBLE people on request)	3e2
LEAVITT, HAROLD J, AND PONDY, LOUIS R,	3f
Readings In Managerial Psychology	3f1
EJK Office (NOTE: This book is from the USC course but it is personal property. However, it will be loaned to RESPONSIBLE people on request)	3f2
MCGEOCH, JOHN A,	3g
psychology Of Human Learning, The	3g1
EJK Office	3g2
MITROFF, IAN I, with TUROFF, MURRAY	3h
The Whys Behind The Hows	3h1
IEEE Spectrum Vol 10, No. 3 Mar 73 pp 62-71	3h2
EJK Office	3h3
MORSE, PHILIP M,	3i
queues, Inventories And Maintenance - The Analysis Of Operational Systems With Variable demand And Supply	3i1
EJK Office	3i2
NAGEL, ERNEST AND COHEN, MORRIS R,	3j
Introduction To Logic And Scientific Method, An	3j1
EJK Office	3j2
PONDY, LOUIS R, AND LEAVITT, HAROLD J,	3k
Readings In Managerial Psychology	3k1
EJK Office	3k2
SKINNER B, F,	3l
Behavior Of Organisms, The - An Experimental Analysis	3l1

## Proposal for a 'Library' File

EJK Office	312
STRUNK, WILLIAM JR	3m
Elements Of Style, The EJK Office	3m1 3m2
TUROFF, MURRAY	3n
Delphi And Its Potential Impact On Information Systems AFIPS - Conference Proceedings Volume 39 EJK Office	3n1 3n2 3n3
TUROFF, MURRAY	3o
Potential Applications Of Computerized Conferencing In Developing Countries Rome Special Conference On Futures Research - 1973 EJK Office	3o1 3o2 3o3
TUROFF, MURRAY	3p
Computerized Conferencing And Real-Time Delphis: Unique Communications Forms Computer Decisions - Jan 1973 EJK Office	3p1 3p2 3p3
TUROFF, MURRAY	3q
Conferencing Via Computer Information Networks Conference 194-NEREM 72 EJK Office	3q1 3q2 3q3
TUROFF, MURRAY	3r
An Alternative Approach TO Cross Impact Analysis Technological Forecasting And Social Change 3, 309-339 (1972) EJK Office	3r1 3r2 3r3
TUROFF, MURRAY	3s
Delphi Conferencing: Computer-Based Conferencing With Anonymity Technological Forecasting And Social Change 3, 204-339 (1972) EJK Office	3s1 3s2 3s3
TUROFF, MURRAY	3t
"Party-Line" And "Discussion" Computerized Conference Systems International Computer Communications Conference 72	3t1 3t2

## Proposal for a 'Library' File

EJK Office	3t3
TUROFF, MURRAY	3u
Human Communications Via Data Networks	3u1
Computer Decisions - Jan 1973	3u2
EJK Office	3u3
TUROFF, MURRAY with MITROFF, IAN I,	3v
The Whys Behind The Hows	3v1
IEEE Spectrum Vol 10, No. 3 Mar 73 pp 62=71	3v2
EJK Office	3v3
TITLE	4
"Party-Line" And "Discussion" Computerized Conference Systems	4a
TUROFF, MURRAY	4a1
International Computer Communications Conference 72	4a2
EJK Office	4a3
An Alternative Approach To Cross Impact Analysis	4b
TUROFF, MURRAY	4b1
Technological Forecasting And Social Change 3, 309=339 (1972)	4b2
EJK Office	4b3
Behavior Of Organisms, The - An Experimental Analysis	4c
SKINNER B. F.	4c1
EJK Office	4c2
Biological Prototypes And Synthetic Systems	4d
BERNARD, EUGENE E, AND KARE, MORLEY R.	4d1
EJK Office	4d2
Computerized Conferencing And Real-Time Delphis: Unique Communications Forms	4e
TUROFF, MURRAY	4e1
Computer Decisions - Jan 1973	4e2
EJK Office	4e3
Conferencing Via Computer	4f
TUROFF, MURRAY	4f1
Information Networks Conference 194=NEREM 72	4f2



## Proposal for a 'Library' File

EJK Office	4f3
Delphi And Its Potential Impact On Information Systems	4g
TUROFF, MURRAY	4g1
AFIPS - Conference Proceedings Volume 39	4g2
EJK Office	4g3
Delphi Conferencing: Computer-Based Conferencing With Anonymity	4h
TUROFF, MURRAY	4h1
Technological Forecasting And Social Change 3, 204-339 (1972)	4h2
EJK Office	4h3
Electronic Maintainability - Vol 3	4i
ANKENBRANDT, F. L.	4i1
EJK Office	4i2
Elements Of Style, The	4j
STRUNK, WILLIAM JR	4j1
EJK Office	4j2
Human Communications Via Data Networks	4k
TUROFF, MURRAY	4k1
Computer Decisions - Jan 1973	4k2
EJK Office	4k3
Introduction To Logic And Scientific Method, An	4l
COHEN, MORRIS R, AND NAGEL, ERNEST	4l1
EJK Office	4l2
Managerial Psychology	4m
LEAVITT, HAROLD J.	4m1
EJK Office	4m2
Potential Applications Of Computerized Conferencing In Developing Countries	4n
TUROFF, MURRAY	4n1
Rome Special Conference On Futures Research - 1973	4n2
EJK Office	4n3
Psychology Of Human Learning, The	4o

## Proposal for a 'Library' File

MCGEOCH, JOHN A, EJK Office	4o1 4o2
Queues, Inventories And Maintenance - The Analysis Of Operational Systems With Variable Demand And Supply	4p
MORSE, PHILIP M, EJK Office	4p1 4p2
Readings In Managerial Psychology	4q
LEAVITT, HAROLD J, AND PONDY, LOUIS R, EJK Office	4q1 4q2
Science Of Color, The	4r
COMMITTEE ON COLORIMETRY - OPTICAL SOCIETY OF AMERICA EJK Office	4r1 4r2
The Whys Behind The Hows	4s
MITROFF, IAN I, with TUROFF, MURRAY IEEE Spectrum Vcl 10, No, 3 Mar 73 Pp 62-71 EJK Office	4s1 4s2 4s3

Proposal for a "Library" File,

Edmund J. Kennedy

4 SEP 74

ROME AIR DEVELOPMENT CENTER

GRIFFISS AIR FORCE BASE  
NEW YORK 13441

JHB 4-SEP-74 16:10 31035

Architect's seminar travel logistics

(J31035) 4-SEP-74 16:10; Title: Author(s): James H. Bair/JHB;  
Distribution: /KWAC; Sub-Collections: SRI-ARC KWAC; Clerk: JHB;  
Origin: <BAIR>ARCH,NLS;3, 4-SEP-74 15:58 JHB ;

JHB 4-SEP-74 16:10 31035

Architect's Seminar travel logistics

For those who need to know about getting from the plane to ARC.

## Architect's Seminar travel logistics

## Architect's Seminar, logistics and assundries

This is a brief summary of of some of the details about getting to ARC and arrangements while here. Since we have made reservations for different people for different things, I'm sending this to everyone to make sure those who do need it get it.

## Motel Reservations

For those we have made reservations for, they are at the Mermaid Inn Motel, 727 El Camino Real, Menlo Park (415 323-9481), which is within walking distance of SRI.

## Meeting location:

The meetings will be held for the most part in the conference that adjoins our facilities on the second floor of Building 30, policy requires that visitors be escorted, so initially you will need to come to the reception desk in the glassed in reception area of Building 30 where we will meet you. Building 30 is the one closest to Ravenswood Ave., and is not the main entrance to SRI (that's on down the road a bit). There are signs for SRI.

## Airport to Motel travel:

Airport Limosine Service is the fastest, most convenient, and least expensive way to get to the door of your Motel, but of course leaves you only public transportation when you're here (hr, train ride from near motel to city). Those of you for whom we have made reservations are all set. You will need to walk to the desk with the sign labeled, Airport Limosine (there are other ones called other things). There are two such desks, one in each part of the terminal:

Central Terminal: It is by the United baggage carrousel, which is near the baggage claim areas for the other airlines that come into the central terminal, such as American,

South Terminal: It is by the TWA baggage carrousel,

The cars depart within a "maximum" of 20" waiting time from each area. The \$9.00 rate is for reservations only.

Changes in your flight schedule should be phoned in (they watch your flight so don't worry if that is hung up) to (415) 961-8800. We will be glad to help anyone else who needs reservations.

## Architect's Seminar travel logistics

Directions, driving or riding: 1e

Sometimes taxi drivers aren't certain of the best way to get here, and if you're driving you might find this review handy: 1e1

From AP get the Bayshore Freeway South, route 101, for about 15 to 20 miles, 1e2

Exit at Marsh road (Atherton) and go west on Marsh Rd. 1e3

Turn left at the end of Marsh Rd, (a T intersection) onto Middlefield Road,, for about 2 miles. 1e4

Turn right at about the 3rd lite (counting the scholl crossing lite) onto Ravenswood Ave, (You can't turn left there). Proceed West to the end of Ravenswood, you will pass SRI on the left. 1e5

Turn left onto El Camino Real at the T intersection and go south for a short block or so and the Mermaid will be on your right. 1e6

Problems call me, home = (415) 322- 1097, office = 326-6200 ext, 3614. See you soon, Jim 1f

EJK 5-SEP-74 08:28 31036

RJCINFO for use in DC

(J31036) 5-SEP-74 08:28; Title: Author(s): Edmund J. Kennedy/EJK;  
Distribution: /RJC JLM(info) FJT(info); Sub=Collections: RADC; Clerk:  
EJK;



RJCINFO for use in DC

Bobbie,

This is a short list of some programs that might be useful for you while you are in D.C. Generally speaking to use them, you must type GPG followed by the name of the program you want to load. After the program is loaded type E followed by the name of the program, type it or bug it (in DNLS) or GPE followed by the name of the program (in TNLS). In most cases the program prompts you so that you can follow it easily enough,

You can get a complete listing by linking to

(user=progs,=contents;llw).

USE VIEWSPEC X FOR OVERVIEW

PROGRAM	FUNCTION	TYPE	LINK
addtext	Adds text to front/back of stmts in plx/brnch/grp/st	E	
append	Sequentially appends stmts in group, text between	E	
delcol	Deletes bugged column, assuming next col lined up	E	

(user=progs,addtext,)

Buffer pages required: 1

Execute, It will ask for necessary information,

append Sequentially appends stmts in group, text between E  
(user=progs,append,)

Buffer Pages Required: 1

Execute, It will ask for a group and then the text to go between appended statements. All statements in the group will be appended sequentially, regardless of viewspecs. If the first statement reaches its maximum length (2000 characters), a new statement will be begun as the successor to the first,

delcol Deletes bugged column, assuming next col lined up E  
(user=progs,delcol,)

Buffer pages required: 1

Execute, Bug beginning and end of column. It will ask if you want it to do the delete only if it finds a visible beginning in the column. If you answer yes, it will only do the delete if it finds a visible beginning at the first bug mark. If you answer

RJCINFO for use in DC

no, it will delete the character positions between and including the bug marks no matter what. It works on a plex, 10b

BOBBIE, NOTE CAREFULLY - THIS ALSO CAN BE USED TO COPY A COLUMN BY BUGGING FROM RIGHT TO LEFT INSTEAD OF LEFT TO RIGHT, BE SURE TO HAVE AN EMPTY SPACE BEFORE AND AFTER THAT WHICH YOU BUG, WHEN IT ASKS ABOUT INVISIBLE JUST TYPE N(AS IN NO), 10c

deldir Deletes Output Processor directives C 11  
(user=progs,deldir,)

Buffer pages required: 4 11a

Institute as Content Analyzer. If you are not running on the whole file, be sure it knows about changes in directive delimiters (if any). You may have to copy a delimiter change directive to your starting point, 11b

delname Deletes statement names C 12  
(user=progs,delname,) THIS ONE NOT ON LINE, CHECK W, DEAN MEYER,

Buffer pages required: 1 12a

Content Analyzer. Knows about non=default name delimiters, 12b

delsp Deletes leading spaces from statements C 13  
(user=progs,delsp,) THIS ONE NOT ON LINE, CHECK W, DEAN MEYER,

Buffer pages required: 1 13a

Content analyzer. Deletes all leading spaces from statements, 13b

format Add print directives to a file E 14  
(user=progs,format,)

Buffer pages required: 7! 14a

Execute. It will ask for the information it needs. Samples of the COM formats are available in -----, (You will have to be in Browse mode to alter a journal file,) 14b

0: blank format (just does title page) 14b1

1: simple Printer format THIS ONE PUTS EVERYTHING IN SRI FORMAT, INCLUDING TITLE PAGE WHICH YOU CAN DELETE, 14b2

2: journal format 14b3

3: 8 pt News Gothic single columns, level one titles 14b4

RJCINF0 for use in DC

4:	8 pt News Gothic single columns, level one titles, level two subtitles		14b5
5:	9 pt Times Roman single columns, level one titles		14b6
6:	10 pt News Gothic single columns, level one titles		14b7
7:	8 pt News Gothic two columns, level one titles		14b8
8:	9 pt Times Roman two columns, level one titles		14b9
9:	9 pt Times Roman indented paragraphs		14b10
10:	ARC userguides format		14b11
index	Creates a word index for st/br/plex/group	E	
(user=progs,index,)	THIS IS USEFUL FOR PICKING UP TYPING ERRORS,		15
	Buffer pages required: 2		15a
Execute,	Creates a word index for a statement, branch, group, or plex. Inserts the index as a branch after a group, at end of plex, down from a statement, and at end of plex down from branch. Respects viewspecs. This program is slow, and creates a large index. The index may have to be hand edited after creation to shorten it. It excludes all words in a list in the file <user=progs>index,nls;, all numbers, all words less than or equal to two characters, and all words ending with "ly". Candidates for the exclusion list are more than welcome. Send a message to Dean Meyer.		15b
lowercase	recovers from an erroneous XSET UPPER CASE	C	
(user=progs,lower,case,)			16
	Buffer pages required: 2		16a
	Content analyzer program. Reformats leaving first printing char of statement and after periods uppercase, forces other alphabetic to lower case.		16b
notabs	Replace tab keys by spaces in plex	E	
(user=progs,notabs,)			17
	Buffer pages required: 1		17a
Execute,	Designate plex. Assumes default tab settings. Ignores viewspecs.		17b
showdir	Shows only stmts with Output Processor directives	C	

RJCINFO for use in DC

(user=progs,showdir,) THIS IS VERY USEFUL IF YOU SCREW UP YOUR DIRECTIVES AND WANT TO REVIEW OR CHANGE THEM. IT SHOWS ONLY THE STATEMENTS WITH DIRECTIVES IN THEM. TOO BAD IF YOU LEFT SOME OUT, 18

Buffer pages required: 4 18a

Content Analyzer. If you are not running on the whole file, be sure it knows about changes in directive delimiters (if any). You may have to copy a delimiter change directive to your starting point. 18b

tblpts Adds periods to end of st out to given col C 19  
(user=progs,recompile,tblpts)

Buffer pages required: 1 19a

put character position as length of test (in DECLARE STRING statement (.2b)). Compile at statement 2 and institute as Content Analyzer. May be used in conjunction with addtext to aid in generation of table of contents. No REL file exists. 19b

toc Generates Table of Contents with stmt num refs E 20  
(user=progs,toc,)

Buffer pages required: 1 20a

Execute. It will ask for a file selection and the number of levels of depth you wish included in the contents. Note that, by creating a table of contents branch, it offsets statement numbering throughout the file. 20b

MIKE 5-SEP-74 09:33 31037

reference to "Editor subsystem Commands" in L-10 Guide - Part One,  
Beginning L-10 Programming; I didn't think this was possible,

(J31037) 5-SEP-74 09:33; Title: Author(s): Michael T. Bedford/MIKE;  
Distribution: /NDM PAN MIKE; Sub-Collections: NIC; Clerk: MIKE;

MIKE 5-SEP-74 09:33 31037

reference to "Editor subsystem commands" in L-10 Guide - Part One,  
Beginning L-10 Programming; I didn't think this was possible.

is it possible to do things like delete or move structures with the  
c,a, pattern being recognized and followed ?

reference to "Editor subsystem Commands" in L-10 Guide - Part One, Beginning L-10 Programming; I didn't think this was possible,

Most of the commands ignore the Content Analyzer in their editing. The following Editor subsystem commands offer the option of specifying viewspecs, or "Filters", (which may turn on the Content Analyzer) which apply only for the purpose of that one command and affect what statements the command works on:

Copy	1a
Delete	1b
Move	1c
Substitute	1d

SRL 5-SEP-74 12:59 31038

Summary of Commands for Introductory NLS Course

(J31038) 5-SEP-74 12:59; Title: Author(s): Susan R. Lee/SRL;  
Distribution: /SRL; Sub=Collections; SRI=ARC; Clerk: SRL;  
Origin: <LEE>TCDD,NLS;9, 27-AUG-74 08:17 SRL ;



## Summary of Commands for Introductory NLS Course

## INTRODUCTION TO TNLS

1

<CR> strike the carriage return key  
 <SP> strike the space bar  
 <LF> strike the linefeed key  
 ( ) parentheses enclose letters you must type for NLS commands

1a

## SESSION I

2

## 1. TO GET TO NLS

2a

@nls <CR>

2a1

## 2. TO CREATE A NEW FILE

2b

(n)ull file F: (filename with no spaces) <CR>

2b1

## 3. TO INSERT TEXT

2c

(i)nsert (s)tatement at A: <CR> L: <CR> T: <CR>

2c1

## 4. TO DELETE THE LAST CHARACTER OR WORD WHILE ENTERING TEXT

2d

CTL A = delete character; CTL W = delete word

2d1

## 5. TO PRINT TEXT AT A TERMINAL

2e

(p)rint <CR> = prints from current position to the end of the file

2e1

## 6. TO STOP PRINTING; CTL O

2f

## 7. TO GET TO A PARTICULAR POSITION IN A FILE

2g

<SP> A: ,1 <CR>

2g1

## 8. TO SEE STATEMENT NUMBERS

2h

(v)iewspecs (c)hange V: m <CR>

2h1

## Summary of Commands for Introductory NLS Course

Other viewspecs: n = turns statement numbers off y = double spaces between statements z = single spaces between statements	2h2
9, TO DO SIMPLE EDITING	2i
(s)ubstitute (t)ext in (s)tatement at A;	2i1
(d)elete (s)tatement at A; <CR> OK? <CR>	2i2
(m)ove (s)tatement to follow A; <CR> from A; <CR> L; <CR>	2i3
(c)opy (s)tatement to follow A; <CR> from A; <CR> L; <CR>	2i4
10, TO UPDATE A FILE	2j
(u)ppdate <CR>	2j1
11, TO GET BACK TO TENEX: CTL C	2k
12, TO LOAD A PREVIOUSLY CREATED FILE	2l
(l)oad (f)ile F: (filename) <CR>	2l1
13, TO STRUCTURE A FILE	2m
Type u for up a level or d for down a level when prompted for L:	2m1
14, MORE ABOUT PRINTING	2n
\ prints current statement	2n1
<LF> prints next statement	2n2
(P)rint (s)tatement at A;	2n3
15, MORE ABOUT EDITING	2o
(i)nsert (t)ext to follow A;	2o1

## Summary of Commands for Introductory NLS Course

## 16, MORE ABOUT ADDRESSING

2p

The following items may be used alone or following a statement number and a space.

2p1

> = end of statement

2p1a

[CONTENT]

2p1b

## 17, HELP!

2q

1) Things you can do:

2q1

a) TO ABORT COMMAND; CTL X

2q1a

b) If a command is not being executed and you get repeated error messages try: CTL C

@reset <CR>

@nl <CR>

and try again.

2q1b

2) Call, link, or sndmsg to Lee@office-1.

2q2

## Summary of Commands for Introductory NLS Course

SESSION II	3
1. MORE ON EDITING	3a
A. TO ADDRESS LARGE BLOCKS OF INFORMATION	3a1
Branch = a statement plus all of its substructure	3a1a
Group = a set of branches all having the same source	3a1b
B. TO INSERT A SERIES OF STATEMENTS WITHOUT REPEATING THE INSERT STATEMENT COMMAND:	3a2
Type a CTL B instead of the final CR. You will be prompted for the level and then text of the next statement,	3a2a
C. ADDITIONAL EDITING COMMANDS	3a3
TO delete one statement and insert another in its place:	3a3a
(r)eplace (s)tatement at A:	3a3a1
Any verbs (insert, replace etc, ) may be followed by:	3a3b
(w)ord, (c)haracter, (b)ranch, or (g)roup	3a3b1
2. MORE ON ADDRESSING	3b
A. How to know where the Control Marker (CM) is	3b1
/ prints context of CM = valid at Conclusion of address or at command level	3b1a
. prints location of CM = valid at command level only	3b1b
B. How to insert text at the beginning of a statement	3b2
Replace the first character with the new text plus the character,	3b2a

## Summary of Commands for Introductory NLS Course

C. Links = (directory,filename,st, #:viewspecs)	3b3
Used to address between files and as online footnotes; valid after any A:	3b3a
To jump to a link: <SP> A: (st, #) <SP> " <CR> or <SP> A: (link) <CR>	3b3b
3. MORE VIEWSPECS	3c
(V)iewspec (s)tatus <CR>	3c1
(V)iewspec (r)eset <CR>	3c2
w = show all lines, all levels	3c3
x = show first line, first level	3c3
a = Show one level less	3c4
b = Show one level more	3c4
q = Show one line less	3c5
r = Show one line more	3c5
G = statement numbers/SID's on the right	3c6
H = statement numbers/SID's on the left	3c6
I = show SID's	3c7
J = show statement numbers	3c7
4. HOW TO STORE AND RETRIEVE A FILE	3d
In TENEX: archive to store and interrogate to retrieve	3d1
5. HOW TO SEND AN NLS FILE USING SNDMSG	3e
Convert the NLS file to a sequential (TXT) file.	3e1
(L)oad (F)ile (filename) <CR> or jump to the beginning of the file if already loaded	3e1a

## Summary of Commands for Introductory NLS Course

(O)utput (S)equential Upper Case? (N)o File F: (Filename)  
<CR>

3e1b

Type CTL B when asked for the message and respond with the  
filename including TXT extension

3e1c

## Summary of Commands for Introductory NLS Course

## SESSION III

## 1. HOW TO USE THE JOURNAL TO SEND A FILE

(E)(E)xecute (J)ournal  
 &(S)ubmit (F)ile at A; (type in filename or <CR> to send file loaded)  
 &(I)nterrogate <CR>  
 &&Title: T; (type in a title)  
 &&Distribution: I; (type in IDENTs separated by a space)  
 &&Status  
 Catalog Number; Deferred  
 Author(s); your ident  
 Title; whatever you typed above  
 Distribution; idents listed above  
 Subcollections; arpa  
 Clerk; your ident  
 &&Go? <CR> Yes

Journal system in progress  
 Completed

If you answer No to Go? you may change any listed information with the following commands:

(t)itle; (type in new title) <CR>  
 (d)istribution I; (type in new idents) <CR>  
 (a)uthor; (type in author's ident) <CR>  
 (c)lerk; (type in typist's ident) <CR>  
 (c)omments; (type in a couple of lines of comment about item = e.g. please read asap etc.) <CR>  
 (st)atus <CR>  
 (g)o? (type (y)es or (n)o)

## 2. INITIAL FILE (HOW TO READ JOURNAL MAIL)

(P)rint (j)ournal <CR>

## 3. MORE ABOUT ADDRESSING

## Summary of Commands for Introductory NLS Course

A. STRUCRELS	4c1
Any of the following may follow a statement number and space as an address:	4c1a
s successor	
p predeCessor	
h head	
t tail	
b back	
n next	
e end	4c1b
B. STATEMENT NAMES	4c2
Enclose in parentheses at the beginning of a statement; precede with a period when used as an address	4c2a
4. MORE ON EDITING	4d
(a)ppend to A: from A: T:	
(b)reak statement at A: L:	
(t)ranspose	
(e)xecute (l)ogout	
(X)set (m)ode (C)apital/(i)nitiaL/(l)ower	4d1
new structural element = (p)lex = a branch plus all other branches at the same level having the same source	4d2
5. CHECKING AND CORRECTING FILE STATUS	4e
(e)xecute (st)atus (f)ile	4e1
gives geNeral information	4e1a
(e)xecute (f)ile verify <CR>	4e2
checks for a bad file	4e2a
(o)utput (f)ile F:	4e3



## Summary of Commands for Introductory NLS Course

consolidates space used, updates, renaming possible	4e3a
(e)xecute (U)nlock file FILENAME <CR> Really? <CR>	4e4
deletes all changes since the last update	4e4a
6. TO DO SIMPLE CALCULATIONS	4f
(e)xecute (sh)ow (v)alue EXPRESSION <CR>	4f1
The EXPRESSION is a set of numbers with +, -, *, and / used for addition, subtraction, multiplication, and division, respectively. A space may be used in place of +,	4f1a
7. HOW TO DO SPECIAL FILE FORMATTING	4g
Output Processor Directives	4g1
(o)utput (d)evice (t)eletype Go? <CR>	4g2
8. HOW TO SEARCH FOR A PARTICULAR WORD OR PHRASE (CONTENT)	4h
<SP> A; [CONTENT] <CR>	4h1
TO search for the next occurrence of CONTENT, hit the ESC key,	4h2

## Summary of Commands for Introductory NLS Course

SESSION 4	5
Calculator	5a
User Programs	5b
Query	5c
Locator	5d
Content Analyzer	5e

NEW AND CHANGED FEATURES  
IN TNL8-8

SRI-ARC

10 SEP 74

Augmentation Research Center

STANFORD RESEARCH INSTITUTE  
MENLO PARK, CALIFORNIA, 94205

## New and Changed Features in TMLS-8 [Advance Copy]

This is a brief description of the ways in which the new version of NLS differs from the old (NLS-7). It will be discussed at length during the Architect's Seminar. It's being sent to you now in case you might have a chance to look at it before the meeting, for example, on the plane. Have a good trip....

## New and Changed Features in TNLS-8 [Advance Copy]

This is a very brief account of the most important ways in which New TNLS (TNLS-8) is different to use from Old TNLS (TNLS-7).

## Questionmark (?)

TNLS-8 has useful questionmark facilities. Typing a ? at any point except when you are typing in text will print out the choices available.

Note ? changes its output with each new step in a command, and its result depends on the recognition scheme you are using.

In Terse and Demand recognition modes (discussed below), "<>" before a command means that you have to type a space to begin that command.

<Control-o> stops printing after a ?.

When the possible command words have printed out, you are still just where you were in the command.

## HELP

<Control-q> puts you into the HELP command and into the HELP data base at a point corresponding to what you were doing in TNLS when you struck the character. HELP provides command syntax and explanations of NLS concepts with menus of related topics. Once you have begun the Help Command, you can continue asking for topics by name or menu number until you hit a Command Delete.

## Subsystems:

The commands in NLS have been grouped into subsystems. The commands we use most are in the Base subsystem which includes editing, fil handling, and terminal handling commands. Others are available through: Calculator, Sendmail, Identification, Programs, Tenex, and Useroptions.

You "Goto" another subsystem. Type G for goto and then first letter of the subsystem's name. Quit returns you to the previous subsystem.

By default the herald is printed in TNLS. It is the first four letters of the subsystem. "<" prints out your subsystem ring.

Execute allows you execute one command in a subsystem with automatic return to the previous subsystem.

## Universal Commands

## New and Changed Features in TNLS-8 [Advance Copy]

The following commands are available in all subsystems:	5a
Goto (subsystem)	5a1
Execute (command in subsystem)	5a2
Quit (subsystem)	5a3
< (Subsystems stack)	5a4
> (Subsystem status)	5a5
? (list commands available)	5a6
<↑q> (begin Help Command at syntax)	5a7
Help	5a8
Jump	5a9
;(permits you to type in without exciting command recognition)	5a10

The Journal:	6
--------------	---

Execute Journal has become the Sendmail subsystem. The term "Journal" continues to refer to the body of information and dialog built up of submissions. 6a

Whereas Execute Journal had two command levels (& and &&), Sendmail has all commands on the same level. 6b

Changed Commands:	6c
-------------------	----

Whereas you used to Submit Statement, Branch, Plex, Group or File; <>Statement, Branch, <>Plex, <>Group, Message, and File are now commands at the herald the way Message has been in earlier versions of TNLS. 6c1

Submit Hardcopy has become the <>Offline command at the herald. 6c2

Place Link = <>Insert Link 6c3

Execute Secondary Distribution = <>Forward 6c4

Distribute = <>Distribute  
                  (for) Action  
                  (for) Information 6c5

Execute Catalog Preassigned numbers = Reserve 6c6

## New and Changed Features in TNLS-8 [Advance Copy]

Go = Send	6c7
Status = <>Show Status	6c8
New Functions	6d
Initialize	6d1
If you want to erase the information you have given in Sendmail commands, use the <>Initialize command to wipe the slate clean. When you have sent an item, the system initializes for you.	6d1a
Insert Status	6d2
Show Status lists what Sendmail knows at that moment about the item you are sending. <>Insert Status writes that same information at an address you supply. It writes it in the correct format for the Process Sendmail Form Command. It is often useful to insert your status in a scratch file, EDIT IT AT LEISURE, and then use the edited statement to send the item via the Process Sendmail Form Command.	6d2a
Unrecorded	6d3
The Unrecorded command will keep your item from being cataloged.	6d3a
Private	6d4
The <>private command keeps people who were not on the distribution list or the author from reading the journalized item.	6d4a
Public	6d5
The public command reverses the private command; it returns the journal item to general access.	6d5a
Recognition:	7
TNLS-8 has several recognition schemes. The default is terse recognition. You may select one of the other schemes for yourself through the Useroptions subsystem. Ask for "recognition" through the Help command to learn about them.	7a
In terse mode, certain command words are available at any point following each prompt C:. From that list, NLS will recognize and echo the most commonly used command by its first character. To	

## New and Changed Features in TNLS-8 [Advance Copy]

use a command word that is not among the most frequently used, you have to type a space and then type characters until NLS can distinguish. E.g. from the Base Subsystem herald, "S" will evoke "substitute", but to get "Set" you must type "<>se" (where "<>" represents a space) and to get Stop "<>st".

7b

In terse mode, if you type a letter impossible in that spot, TNLS will ring your bell and wait for you to type in a possible letter. I.e. O D P will succeed although the command is now Output Printer. The extra D will only make the bell ring harmlessly.

7c

## Changed Commands:

8

## Old Commands:

8a

The most important commands where the first command word has changed are as follows, with the old name first. They are in Base Subsystem unless noted:

8a1

Execute Assimilate = No longer a command. The filter option in the commands that copy, move, or delete statements takes over its function.

8a1a

Execute Content Analyzer = <>Set Content To

8a1b

Execute Device Type = <>Simulate Terminal Type in the Terminal subsystem

8a1c

Execute File Verify = Verify File

8a1d

Execute Insert Sequential = Copy Sequential

8a1e

Execute Logout = <>Logout

8a1f

Execute Status = <>Show + various alternatives

8a1g

Execute Unlock = Delete Modifications

8a1h

Execute Viewchange = Goto Useroptions

8a1i

Execute Journal = Goto Sendmail

8a1j

Link (in TENEX) = <>Connect to Terminal

8a1k

Null File = <>Create File

8a1l

Output Device Printer = Output Printer

8a1m

Output File = Update File Compact

8a1n



## New and Changed Features in TNL8-8 [Advance Copy]

Space (move the CM) = Jump

8a10

Update = Update File + various alternatives

8a1p

## New Commands:

8b

## Directory Commands:

Now you can deal with your file directory in NLS as well as in TENEX. Delete File, Undelete File, and Expunge are NLS commands. Copy Directory copies your directory into a file as a plex. Options in Copy Directory allow you to see the information TENEX has about your files sorted in various ways. Show Directory prints the information without putting it in an NLS file.

8b1

## Set Commands:

With alternatives following Set you can control several parameters. The most frequently used one is what used to be called a content analyzer pattern and is now Set Content.

8b2

## Privacy:

There are now two systems in NLS for controlling access to files. One is the Protect File command which calls the TENEX protection provisions, based on usernames and groups. The second is the Set Private/Public command which limits read access to a list of idents. You have to separately edit the list of idents into the origin statement of the file in the following exact format:

AccessList: IDENT IDENT IDENT;

8b3

You may have any number of idents and they must be in upper case.

8b3a

## Repetition:

9

By default, the system now returns to the herald after every command, BUT, if you end any command with a Repeat Character the system will carry out the command, return to the herald, and go forward in the same command until it meets a field that is not a command word. The Repeat Character is <control-b> by default.

9a

The system will continue to repeat the command in that way until you hit Command Delete.

9a1

If you hit Repeat Character at command reset, it will repeat your last command out to the first field that is not a command word. You may then step back through the command word-by-word with <↑A> or <Backspace Character>.

9b

## New and Changed Features in TNLS-8 [Advance Copy]

## Options and Alternatives 10

When several command terms may follow a given command term (as Plex, Branch, etc. may follow Delete) we speak of alternatives. When typing the option character, <control-u> allows you to put in command terms otherwise inaccessible, we speak of options. Options include, for example, the filter step in the Copy commands that replaces Assimilate, and the commands that select various kinds of information in Show Directory. With full prompting on, square brackets, [], inclose optional terms.

10a

## Addressing 11

The prompt for addresses is A:. Following A: you can put a "directoryname,filename," separated by commas. You may omit them and default to the directory you are connected to and the current file. After the filename position you may use the intrafile address forms in any order as in TNLS-7. Following A: you may omit the parentheses that normally surround links.

11a

## Links 11b

Note that links now differ from addresses only in allowing viewspecs and comments and in normally requiring delimiters.

11b1

The prompt T: expects a link in certain situations, for example when it expects a file name. When you type in a link after T: you may omit the parentheses.

11b1a

## Periods in Addresses 11c

Do NOT put periods in front of statement names or numbers or SID's; instead put them in front of structural relationships (i.e. .u .d .b .a or .2d or .5p etc.).

11c1

## Content Addresses 11d

Quotation Marks have replaced square brackets and angle brackets to mark off content searches used in addresses. Thus an address that moves your CM to statement 5, then to its successor, then to the first occurrence of the string "xxx", would have been --.5 s [xxx] -- in the old system and is -- 5 .s "xxx" -- in TNLS-8.

11d1

To limit search to a single statement as you did with semi-colons in the old system, you must append "=s" to the address of the string. I.e. to limit the search above to the successor of 5 you would use -- 5 .s "xxx"=s .

11d1a

## New and Changed Features in TNL5-8 (Advance Copy#

In the old system you searched for a word rather than a string by inclosing the characters in angle brackets. In the new system you append =w. Thus the address of a certain word in a file of mine is <vannouhuys,onetest, "cryptobiotic"=w>

11dlb

& and @ Meaning File Return and Return

11e

".fr" has repalced "&", and ".r" has repalced "@".

11el

## Prompting

12

You can set prompting in one of three modes: Full, Partial, or Off. The default is Partial. Partial does not show options and some alternatives. The complete list of prompts is:

12a

C: calls for a Command Word

12a1

A: calls for an Address.

12a2

T: calls for you to type something in, e.g. free text, or an ident.

12a3

OK: calls for confirmation of the command or a field within a command, usually CA or REPEAT (<control-b>).

12a4

CA: calls for a command accept. <Control-d> functions as command accept and by default carriage return does so as well.

12a5

Y/N: calls for "y" for "yes" or "n" for "no" in commands like substitute where NLS wants to know if you want to repeat a specification step.

12a6

[ ], Square brackets indicate that you have to use the option character <control-u> to specify the option named inside the brackets.

12a7

[\*\*] shows that you may use <control-u> to gain access to a list of options.

12a8

V: calls for viewspecs.

12a9

L: calls for level adjustment.

12a10

SP: calls for a space as a quasi CA.

12a11

RPT: calls for a <control-b> to repeat the use of some buffer as in content searches.

12a12

## Space/Jump:

13

## New and Changed Features in TNLS-8 [Advance Copy]

Where in TNLS-7 you hit space at the herald before to move your CM, in TNLS-8 type J A for Jump to Address. A whole list of Jump commands that allow you to express address elements as command words (Jump to Return, Jump to Name, Jump to Link, etc.) is also available in TNLS-8. Space retains its meaning within addresses.	13a
From/To	14
In TNLS-8 you Move and Copy things FROM someplace TO someplace else instead of vice versa. It's not too hard to get used to and the noise words help, but the changeover may be confusing for a while.	14a
Herald:	15
By default the herald is the first four letters of your subsystem. In the Useroptions subsystem you can reset the length of the herald or change it to a * for all subsystems (called terse herald).	15a
Omissions:	16
In general, user programs written for TNLS-7 will not run or compile in TNLS-8. Many of them have been revised but some have not. If you discover a user program that does not run as it did in the past, report it via the feedback system (sendmail to ident FEED or TENEX sendmessage to feedback@office-1).	16a
Query will not run in NLS-8. The query language is available through the NIC command in TENEX at Office -1.	16b
The Programs Subsystem	17
It replaces and augments the old "Go to Program" commands.	17a
Important old Commands with New Names:	17b
Get = Load	17b1
Status = Show	17b2
Buffer = Set Buffer	17b3
For new commands, ask for information on "programs" with the Help command.	17c
The Useroptions Subsystem	18
The Useroptions Subsystem takes over some of the work of the old	

## New and Changed Features in TNLS-8 [Advance Copy]

Viewchange System and adds many new ways for you to shape NLS to suit yourself. It controls feedback in the form of heralds, prompts, noise words, etc.; it controls recognition and default viewspecs; it redefines control characters (like the old NLSControlCharacters branch); and it formats pages in the TNLS print command. Execution of commands in the Useroption subsystem rewrites a file (the profile) that determines how these parameters are set when you log in from then on.

18a

JLM 9-SEP-74 06:11 31040

ITPO Pitch

(J31040) 9-SEP-74 06:11; Title: Author(s): John L. McNamara/JLM;  
Distribution: /; Sub-Collections: RADC; Clerk: JLM;  
Origin: <MCNAMARA>PITCH,NLS;3, 29-JUL-74 07:42 JLM ;

JLM 9-SEP-74 06:11 31040

ITPO Pitch

othis is a set of ntes on my pitch to center staff

ITPD Pitch

## SOFTWARE ENGINEERING

1

The production of software on large scale Air Force systems is essentially an art with the resulting variability and worse yet systems which are impossible to maintain and one due to their complexity are difficult error prone.

1a

Evidence of this is the lack of a metric -find a reference which describes this malady in loving details

1a1

It is our conviction which is shared by many that there are a number of tools and programmer practices which are being used in universities and some research centers as well as some progressive software organizations which if adopted by the Air Force would result in substantial reductions in errors and software production cost

1b

Making tools available

1c

Problem

1c1

Machine independence

1c1a

Tools/target machine is a problem

1c1a1

SDC is a good example, they are building a neat programming environment but if they win a job say for the AF it invariably is on some other computer!

1c1a2

cost like mad to bring up a tool on a machine so one thinks it over quite a bit first

1c1a3

Practices

1c1b

There is a real resistance on the part of programmers to change

1c1b1

They are artists and are not too thrilled

1c1b1a

Mgmt has to make a recommitment

1c1b2

It is expensive and cost effectiveness is not obvious

1c1b2a

On line debugging looks like icing on a cake

1c1b2a1

Many machines are set up for operational support so program dev has to be squeezed in

1c1b2a2

There is little in the way of empirical evidence to



ITPO Pitch

support the contentions and worse yet no real way  
to collect it 1c1b2a3

Approach 1c2

Could either create a program dev facility here 1c2a

This suffers from the stand point of the target machine  
problem 1c2a1

Convert tools to appropriate machines 1c2a2

Too Many different machines 1c2a2a

hard to convince mg,t rightly so if it is worth 1c2a2b

Create a ability to make a net kind of operation where a  
user can access the net and use the tool on the host  
machine and exucute the code on his own machine 1c2a3

This has the advantages of both of the above namely  
the user can still run on his own machine thus doging  
the transferability problem and still tools we are  
buliding can be put on our machine and made available  
to AF users 1c2a3a

In searching for a approach we bumped into the ARPA  
program of the NSW and belive it stongly supports our  
goals and as a r4esult we intend to jointly fund the  
program with ARPA in both 75 and 76, 1c2a4

NSW 1c3

The objective of the NSW is to create a network enviornment  
where a prorammer can smoothly access a tool form a  
different machine use it on his code or text bring the  
results back to his machine or to a central store and  
transfer it to his machine for final compilation and  
execution, 1c3a

NSW arranges for the S&R of user files and maintains a  
record of the project status and history, Eah tool bearing  
host has a front end processor which terminals access to  
NSW and provides a set of services that will create a  
coherent NSW user enviornment 1c3a1

Consists of 1c3a2

Works manager

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Foreman  
Front Desk

1c3a2a

The following is a chart on how it will look first generally, then with Gunter and then with RADC brought up as a tool bearing host

1c3a3

Generally

1c3a4

The concept is that the NSW will create an environment where tools can be accessed by a programmer on a different machine used on his code or used for documentation and then the resulting work be brought back to his machine for execution or printout if it happens to be a report,

1c3a4a

To do this requires first a set of net protocol whereby tools can be interface to the net so they can be accessed gracefully and second, a standard communications vehicle by which all tools are access and communication within the NSW is supported,

1c3a4a1

MCA is on the protocol and SRI is providing the communications vehicle,

1c3a4a1a

Initially

1c3a5

This chart shows the initial capability where Gunter will be the first programmer user on the NSW and SRI will be the first tool bearing host,

1c3a5a

The choice of SRI was dictated not only because the NSW needed a com vehicle but also since the Data System design programmers were in need a good tool for documentation as well as a text editor. This will be interfaced with the Linotron at WPAFB for high quality production kind of output,

1c3a5a1

Since part of this effort will be to increase the number of users that can be supported by NLS this will have direct benefit to RADC since we envision the Document production capability to be of general value to the Software Quality program,

1c3a5a1a

Radc tool bearing host

1c3a6

This chart depicts how the NSW can be used by radc to

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export some our tools as well as programmer practices

1c3a6a

It is planned to bring up Multics in fy 75 since it is easier to do and a real use of it as a program dev tool exist within the data system design center.

1c3a6a1

In fy 75 the emphasis will shift to bringing up the WWMCCS system so that our Jovial tools can be made available to the af WWMCCS community.

1c3a6a2

#### Management practices

1d

We believe it is important to stress the need for prototype programs where the modern programming practices are used supported extensively by the R&D community to demonstrate the utility of the new ment.

1d1

The goal is to support using the NSW as well as what ever tools are appropriate multics or WWMCCS to support a large software dev like DAIS ,or at Gunter,or some part of Saac

1d1a

Is needed since there is no way we can demo in the lab this kind of procedures, the structured programming is only one part, it is a number of these taken together which can make a substantial contribution.

1d1a1

the chart show the specific programs and their timing

1d1b

Model File for Milestone Construction for TPO

(J31041) 9-SEP-74 09:20; Title: Author(s): Edmund J. Kennedy/EJK;  
Distribution: /; Sub-Collections: RADC; Clerk: JLM;  
Origin: <MCNAMARA>MILESTONES,NLS;3, 9-SEP-74 09:15 JLM ;

## Model File for Milestone Construction for TPO

This is a model for a file in which to place the information needed for the construction of the milestone charts for next year's TPO. The first area of effort is shown complete. In order to provide the information for the construction of next year's charts all that is necessary is to edit the model. The substitute number command should be used to insert dollar and manpower figures. This group, showing the dollar and manpower figures, can be copied to the other areas of effort and modified as desired.

EJK

RADC TPO 11 SOFTWARE SCIENCES TECHNOLOGY

MILESTONES:

1

2

3

## Model File for Milestone Construction for TPO

AREA OF EFFORT: A - SOFTWARE QUALITY (HIGHER ORDER LANGUAGES) 4  
 NUMBER OF BARS: 3 4a  
 PRODUCTS: 4a1

BAR 1 - [HIGHER ORDER LANGUAGES] 4a2

MILESTONES:						4a2a
	TYPE	DATE	SOURCE	REQUIREMENT/SYSTEM		4a2b
1,	V	2Q 74	BAR 2	CC/3 WWMCCS		4a2c
2,	I	1Q 75	BAR 2	CC/3 WWMCCS		4a2d
3,	V	2Q 77	BAR 2	CC/3 WWMCCS		4a2e
4,	I	3Q 80	BAR 3	CC/3 WWMCCS		4a2f

EFFORT AREA: 4a3

BAR 2 - COMPILER TECHNOLOGY 4a4

FY74	FY75	FY76	FY77	FY78	FY79	FY80	
62702F/ 000							4a4a
000	000	000	000	000	000	000	4a4b
63728F/ 000							4a4c
000	000	000	000	000	000	000	4a4d
64728F/ 000							4a4e
000	000	000	000	000	000	000	4a4f
MY							4a4g
0,0	0,0	0,0	0,0	0,0	0,0	0,0	4a4h
							4a4i

BAR 3 - LANGUAGE CONTROL 4a5

FY74	FY75	FY76	FY77	FY78	FY79	FY80	
62702F/ 000							4a5a
000	000	000	000	000	000	000	4a5b
63728F/ 000							4a5c
000	000	000	000	000	000	000	4a5d
64728F/ 000							4a5e
000	000	000	000	000	000	000	4a5f
MY							4a5g
0,0	0,0	0,0	0,0	0,0	0,0	0,0	4a5h
							4a5i

TOTAL 6,2 4a6

000	000	000	000	000	000	000	4a6a
-----	-----	-----	-----	-----	-----	-----	------

TOTAL 6,3 4a7

000	000	000	000	000	000	000	4a7a
-----	-----	-----	-----	-----	-----	-----	------

TOTAL 6,4 4a8

Model File for Milestone Construction for TPD

000	000	000	000	000	000	000	4a8a
TOTAL OTHER							4a9
000	000	000	000	000	000	000	4a9a

## Model File for Milestone Construction for TPO

AREA OF EFFORT: A - SOFTWARE QUALITY (SOFTWARE RELIABILITY) 5  
 NUMBER OF BARS: 3 5a  
 PRODUCTS: 5a1  
 BAR 1 - [SOFTWARE RELIABILITY] 5a2  
 MILESTONES: 5a2a  

	TYPE	DATE	SOURCE	REQUIREMENT/SYSTEM	
1.	V	4Q 75	BAR2,3	CC/3 WWMCCS	5a2b
2.	V	4Q 76	BAR2,3	CC/3 WWMCCS	5a2c
3.	I	3Q 77	BAR2,3	CC/3 WWMCCS	5a2d
4.	C	3Q 78	BAR2,3	CC/3 WWMCCS	5a2e
					5a2f

  
 EFFORT AREA: 5a3  
 BAR 2 - SOFTWARE DATA COLLECTION 5a4  
 BAR 3 - DATA BASE REPOSITORY 5a5



## Model File for Milestone Construction for TPO

AREA OF EFFORT: B - SOFTWARE ENGINEERING (PROGRAMMING TOOLS) 6

NUMBER OF BARS: 3 6a  
 PRODUCTS: 6a1

BAR 1 - [PROGRAMMING TOOLS] 6a2

MILESTONES:						6a2a
	TYPE	DATE	SOURCE	REQUIREMENT/SYSTEM		6a2b
1.	V	4Q 75	BAR 3	CC/3 WWMCCS		6a2c
2.	I	2Q 76	BAR 2	CC/3 WWMCCS		6a2d
3.	I	3Q 76	BAR 2	CC/3 WWMCCS		6a2e
4.	V	4Q 76	BAR 3	CC/3 WWMCCS		6a2f
5.	V	3Q 78	BAR 2	CC/3 WWMCCS		6a2g
6.	I	4Q 80	BAR 3	CC/3 WWMCCS		6a2h

EFFORT AREA: 6a3

BAR 2 - PROGRAMMING AIDS 6a4

BAR 3 - SOFTWARE TEST TOOLS 6a5

## Model File for Milestone Construction for TPO

AREA OF EFFORT: B - SOFTWARE ENGINEERING 7  
 NUMBER OF BARS: 4 7a  
 PRODUCTS: 7a1  
  
 BAR 1 - [MODERN PROGRAMMING PRACTICES] 7a2  
  
 MILESTONES: 7a2a  

	TYPE	DATE	SOURCE	REQUIREMENT/SYSTEM	
1,	V	2Q 75	BAR 3	CC/3 WWMCCS	7a2b
2,	I	3Q 75	BAR 3	CC/3 WWMCCS	7a2c
3,	I	3Q 76	BAR 3	CC/3 WWMCCS	7a2d
4,	V	1Q 79	BAR 3	CC/3 WWMCCS	7a2e
5,	C	1Q 80	BAR 3	CC/3 WWMCCS	7a2f

  
 BAR 2 - [NATIONAL SOFTWARE WORKS] 7a3  
  
 MILESTONES: 7a3a  

	TYPE	DATE	SOURCE	REQUIREMENT/SYSTEM	
1,	I	3Q 75	BAR 4	CC/3 WWMCCS	7a3b
2,	V	2Q 77	BAR 4	CC/3 WWMCCS	7a3c
3,	C	3Q 79	BAR 4	CC/3 WWMCCS	7a3d

  
 EFFORT AREA: 7a4  
  
 BAR 2 - CONFIGURATION MANAGEMENT 7a5  
  
 BAR 4 - SOFTWARE TECHNOLOGY TRANSFER (ARPA, ARMY) 7a6

## Model File for Milestone Construction for TPO

AREA OF EFFORT: C = SYSTEM SOFTWARE (SOFTWARE EXECUTIVE SERVICES) 8

NUMBER OF BARS: 3 8a

PRODUCTS: 8a1

BAR 1 = [SOFTWARE EXECUTIVE SERVICES] 8a2

MILESTONES: 8a2a

	TYPE	DATE	SOURCE	REQUIREMENT/SYSTEM	
1.	V	2Q 75	BAR 3	CC/3 WWMCCS	8a2b
2.	V	3Q 75	BAR 2	CC/3 WWMCCS	8a2c
3.	C	4Q 75	BAR 3	CC/3 WWMCCS	8a2d
4.	C	2Q 76	BAR 2	CC/3 WWMCCS	8a2e
5.	C	3Q 76	BAR 3	CC/3 WWMCCS	8a2f
6.	C	3Q 77	BAR 2	CC/3 WWMCCS	8a2g
					8a2h

EFFORT AREA: 8a3

BAR 2 = COMMAND AND CONTROL SYSTEM SOFTWARE TECHNOLOGY 8a4

BAR 3 = SYSTEM SUPPORT/APPLICATION (DMA, ACS) 8a5

## Model File for Milestone Construction for TPO

AREA OF EFFORT: C - SYSTEM SOFTWARE (SECURITY) 9  
 NUMBER OF BARS: 4 9a  
 PRODUCTS: 9a1  
 BAR 1 - [SECURITY] 9a2

## MILESTONES:

	TYPE	DATE	SOURCE	REQUIREMENT/SYSTEM	
1.	V	3Q 75	BAR2/3/4	CC/3 WWMCCS	9a2a
2.	V	1Q 76	BAR2/3	CC/3 WWMCCS	9a2b
3.	C	2Q 76	BAR 4	CC/3 WWMCCS	9a2c
4.	I	3Q 76	BAR 3	CC/3 WWMCCS	9a2d
5.	V	2Q 77	BAR 3	CC/3 WWMCCS	9a2e
6.	V	3Q 77	BAR2/3	CC/3 WWMCCS	9a2f
7.	I	3Q 77	BAR 4	CC/3 WWMCCS	9a2g
8.	C	4Q 79	BAR 3	CC/3 WWMCCS	9a2h
					9a2i
					9a2j

EFFORT AREA: 9a3

BAR 2 - KERNEL DEVELOPMENT/IMPLEMENTATION (ARPA, IND, ESD) 9a4

BAR 3 - SECURE GENERAL PURPOSE COMPUTER IMPLEMENTATION (ESD) 9a5

BAR 4 - SECURITY SUPPORT TO ADP DEVELOPMENT (ESD, ARPA) 9a6

Milestones as of TODAY

XXX

9 SEP 74

ROME AIR DEVELOPMENT CENTER

GRIFFISS AIR FORCE BASE  
NEW YORK 13441

EJK 11=SEP=74 09:56 31044

Message,

(J31044) 11=SEP=74 09:56; Title: Author(S): Edmund J. Kennedy/EJK;  
Distribution: /DLS; Sub=Collections: RADC; Clerk: EJK;

Message,

The new sendmail seems to work fine, except that it stutters. I  
rec'd the same material twice, 31042 and 31043, six minutes apart. I  
found it very enlightening, none off the files are on=line, 1

MIKE 11-SEP-74 11:37 31045

copy of hair message to mbt,

(J31045) 11-SEP-74 11:37; Title: Author(s): Michael T. Bedford/MIKE;  
Distribution: /PAN; Sub=Collections: NIC; Clerk: MIKE;



copy of bair message to mbt,

(BAIR) 11-SEP-74 0910-PDT at SRI=ARC; Content patterns in links  
Distribution: BEDFORD AT OFFICE=1, bair, mattiuz at nic  
Received at: 11-SEP-74 09:11:44

Mike , the buffer size has been fixed to allow you to include the  
longer paaterns,,I haven't tried it myself yet, but the code has  
been changed, Please let me know if it works or not, Jim

MIKE 12-SEP-74 13:33 31049

semi-final version of STORET description for KSH

(J31049) 12-SEP-74 13:33; Title: Author(s): Michael T. Bedford/MIKE;  
Distribution: /PAN; Sub-Collections: NIC; Clerk: MIKE;

MIKE 12-SEP-74 13:33 31049

semi-final version of STORET description for KSH

copy of this has gone to Matt for his review and comments...

semi-final version of STORET description for KSH

STORET is an information storage and retrieval system designed to aid Bell Canada and Bell-Northern Research managers to coordinate their preparation of the Bell-funded research programs at BNR. 1

The system is maintained by H. Q. Planning for the use of the SERTT working committee. This committee includes representatives from H.Q. Engineering and H.Q. Planning, Eastern and Western Region Engineering, CCNS, and Bell-Northern Research. The committee meets regularly to review and develop the research programs for the coming year, and it is essential that each of the committee members has the most recent and up-to-date version of the Bell and BNR views for each research program. 2

To this end, STORET provides each of the committee members (through his local time-sharing coordinator) with the following types of information: 3

i.) the most up-to-date version of the Bell and BNR views 3a

ii.) the minutes of the previous meetings of the committee, 3b

iii.) memos and other interim correspondence from H.Q. Planning to the different committee members 3c

P 3d

iv.) the agenda for the upcoming meeting of the committee 3e

CA Filtered Editing

(J31050) 12-SEP-74 16:05; Title: Author(s): N. Dean Meyer/NDM;  
Distribution: /IMM(action) MIKE(info); Sub=Collections: SRI-ARC; Clerk:  
NDM;

CA Filtered Editing

Inez: Mike is asking about the commands which allow the "Filtered" option (in NLS=8 only). Take a look at (mjournal, 31037, 0) including the title and comment when you get back. [i.e. Mike, I'm copping out and handing your question to Inez, although it is my fault that the L10 Guide has one foot in old NLS and one in NLS=8.]

1

Review letter

(J31051) 13-SEP-74 12:56; Title; Author(s); Phil Feldman/PF;  
Distribution: /PF LHD; Sub-Collections: NIC; Clerk; PF;

Review letter

MIKE 22-APR-74 14:35 30516

this is a copy of your revision to my letter from you to KSH re  
deferrment of vacations for LHD, MTB, PF,

Location: (JJOURNAL, 30516, 11w)

1

Comments: for Phil F, and Larry, who have already seen two  
versions of this letter: honest, this is the last one!

1a

John Gilbert

2

Dear John,

2a

It was a pleasure meeting with you when you were in Montreal. I  
found your comments on research in the North very informative.  
Since our meeting, Dennis Dicks and I have made a field trip to  
Frobisher, Resolute and Igloolik and the questionnaire design has  
proceeded at full steam.

2b

Since the study of communications impacts in the North is one of  
the many areas in which the Bell Business Planning Group and the  
DOC can exchange ideas, I was pleased at your concrete actions to  
help us get going. Hopefully, the enclosed progress report will  
indicate to you where we are and where we are going in this  
particular study.

2c

Your letter dated March 24 indicated that it might be mutually  
beneficial to have Larry Day meet with Bob Rabinovitch. I agree  
with you completely and would like to formally extend an open  
invitation for you and Bob to come down to Montreal. Please phone  
me or Larry at your convenience to arrange a specific time.

2d

Yours truly,

2e

Philip Feldman,

2f

(Herendeen)Original letter to Herendeen(letters,Herendeen)

3

Feb, 16/74,

3a

Dear Bob,

3b

I have spoken to Dr. Ed Dixon of the SRI and he suggested that my  
work, here at Bell Canada, in the communication/travel tradeoff  
energy impact question would be greatly helped if I had access to  
a user's guide for the U.S. energy input-output matrix. I would  
greatly appreciate your sending me down a copy and will be glad to  
defray any mailing or other associated costs.

3c



Review letter

Yours truly,

Philip Feldman,

P.S. This letter was written on an experimental text-editing system we are using.

Al Brown

memo to: Al Brown

memo from: Phil Feldman (870-5917)

subject: Conference T.V.

In response to your phone call on Jan. 28, here are some documents that should be useful. You may keep all the documents except the two reports issued by the D. O. C., which may be obtained through Garth Jowett (see DOC covering letter). I would appreciate the return of those documents within a week or so as members of my group have not yet had a chance to see them. (By the way, this memo was written on an experimental text-editing system.)

(UduQ) letter to UduQ (letters, UduQ)

H.G. Planning

Bell Canada

Room 1105, 620 Belmont

Montreal, Que.

H3C 3G4

3d

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4

4a

4b

4c

4d

4e

4f

4g

5

5a

5b

5c

5d

5e

5f

Review letter

Feb. 20, 1974

Pierre Lamonde and  
 Pierre-Andre Julien  
 Groupe de recherches sur le Futur  
 3465, rue Durocher  
 Montreal 130.

5g  
 5h  
 5i  
 5j  
 5k  
 5l  
 5m  
 5n  
 5o  
 5p

Dear Mr. Julien and Mr. Lamonde,

I was pleased to receive your letter dated January 15, 1974 in which you briefly described the birth of a futures group. We have seen brief descriptions of the group in Futures (vol. 5, no. 6) and Reseau (vol. 5, no. 3). We are glad to see more original futures research done in Canada as we have been continually forced to go outside Canada to develop and exchange futures information,

5q

Your letter mentioned a particular interest in the scenario technique; unfortunately, we have only used this technique sparingly to describe information garnered through Delphi and other techniques. "An Exploration of the Future in Educational Technology" has such a summary on pages 63 to 66 while "A Technology Assessment of CAI Use in Colleges" has a series of point form scenario-like descriptions of some scenarios written up in a U.S. government publication on pages 54 to 68. Our work with the Hudson Institute over the past few years has also provided considerable scenario forecast inputs to our planning activities,

5r

Once again, congratulations on the formation of your group and please don't hesitate to call me at 870-3223 if you have any comments or questions on any of the enclosed or other Business Planning Group publications.

5s

5t

Sincerely,

5u

Review letter

Larry Day 5v  
 Staff Supervisor=Business Planning, 5w  
 Wearing 6

Feb. 20, 1974, 6a  
 6b  
 6c

Dear Alexander, 6d

Your letter dated Feb. 8 indicated an interest in cross impact matrices, I hope you will find the enclosed three papers of use in applying this methodology in your field. By the way, this short covering letter was written on a computer text-editing system that we are experimenting with. 6e

Yours truly, 6f  
 6g  
 6h

Philip Feldman 6i  
 Supervisor=Business planning 6j  
 Bell Canada 6k

Day (AT&T) 7

Date: Sept. 3, 1974. 7a

Memo to: Larry Day 7b

Memo from: Philip Feldman 7c

Subject: Cross Impact Consultation Given to AT&T 7d

The purpose of the following memo is to record an ad hoc arrangement in which AT&T is obtaining consultation advice from the Business Planning Group: 7e

1)Mr. D. Garvey and Mr. S. Thangavelu phoned Phil Feldman on

## Review letter

several occasions in early April to enquire as to the relative strengths and weaknesses of several approaches to cross impact, especially those based on Julius Kane's approach and Murray Turoff's version,

7f

2) While at a conference in New York, Phil Feldman met with Mr. S. Thangavelu, Mr. D. Garvey, Mr. J. Howlett and Mr. J. Griffin at AT&T on April 24. It was generally agreed that it would be mutually beneficial to co-operate by having a cross impact program transmitted to AT&T in return for access to the results of any exercises using the program,

7g

3) The program listing and accompanying cards were sent to S. Thangavelu on May 13,

7h

Mr. D. Garvey discovered that a corporate planning group at AT&T was interested in applying cross impact in the policy area and arranged a meeting in Montreal for July 29. Present were Mr. J. Wangelin, Mr. C. Stubbs, Mr. M. Friduss, Mr. D. Garvey and Mr. J. Griffin, along with Phil Feldman and Don Atkinson,

7i

As a result of the meeting, the policy group significantly altered its approach to take into account certain recommendations based on the BPG experience. A large matrix describing the policy environment of AT&T was transmitted to the BPG on Aug. 14 and suitably manipulated with our existing computer program. The results were discussed and analysed in Montreal by Phil Feldman and Mr. J. Wangelin on August 30,

7j

## Progress Report cover letter

8

The Business Planning Group at Bell Canada has been pursuing research in the Technology Assessment area for the past two years. This process consists of systematically identifying unintended secondary social implications of new technologies, with a view to enhancing positive effects and minimizing the impact of negative forecasted consequences. A copy of a pilot Technology Assessment is enclosed to illustrate the concept,

8a

Recently, Bell Canada funded Queen's University to undertake a study of this type headed by Dr. Dennis Dicks. The purpose of the project is to "assess quantifiable changes in the behavioural patterns of certain communities in Northern Canada brought about by the introduction of new telecommunications services". Another objective is that of testing certain techniques to see how they might be applied in future technology assessments conducted by the Business Planning Group,

8b

We hope you will find the enclosed documents describing progress

## Review letter

in this particular study, as well as Technology Assessment itself, of interest. If you have any questions or comments, please feel free to phone me at 514-870-5917,

8c

## Day letter

9

Larry,

9a

The purpose of the following rambling diary is to trace though my activities since last November. The diary format will enable you to use the letter as a basis for the personnel review and also to trace the chronological development of my thoughts towards futures methodologies and wired city services. In addition it will explain three definite time periods of varying effort and achievement: 1) Nov. 1 to May 1; involved in many projects, developing contacts, coming in to work early and leaving late, generally efficiently using time (e.g. spent weekend in Frobisher to squeeze out a few more days of work in the office); 2) May 1 to Aug 1; lame duck hiatus as I decided that since I couldn't quite toe the party line on Delphi and broadband I should get out of the group for the benefit of all concerned; 3) Aug 1 to present (Sept 15) a return to period of normalcy

9b

## November

9c

=went to Hudson conference

9c1

finished publication of my first working paper on judgmental data in which I showed that though there was reason to believe that the first round of a Delphi has a meaningful quantitative output, someone in the futures field will have to undertake a thorough validation experiment because the forecasts may be so inaccurate that they are invalid decision-making aids. Since then Sackman and Mandell have really ripped into Delphi and it's credibility among psychologists and other scientific types is at an all-time low,

9c2

=learnt Engelbart

9c3

pre-Engelbart interviews conducted

9c4

polling project started taking off as a result of presentation at communications seminar

9c5

Queen's project got underway after a few clerical problems with the legal department

9c6

## December

9d

## Review letter

worked closely with BNR to get computer conference evaluation completed, got all the comments properly sorted via Engelbart and printed out all raw data after properly coding questionnaire, discussed virtually every question along with comments and raw data answer and worked overtime to get this completed by Dec, 28 to give project sense of urgency, I was assured that now that BNR had virtually all the input it needed, it simply was a matter of writing up the report and we should a finished product by Jan, 30, 9d1

-took final French course for Certificate of Proficiency in French at McGill and obtained certificate 9d2

-worked with Dennis Dicks to get him involved with eastern region in Quebec City to know what kind of data would be available for the study and to learn what was going on up North in order to choose a selection of communities for study 9d3

worked with Parkinson on conferencing very efficiently to redefine incasting after realizing that original blanket coverage was scientifically and economically unsound 9d4

January 9e

started working on costbenefit course at McGill and on cost-benefit working paper 9e1

tried to take the Bell French course but was too far ahead of advanced conversation class in which I was placed 9e2

February 9f

took forecasting course 9f1

initiated contact with McGill INCEP organizers (name has since been changed) 9f2

tried to develop closer ties with our counterparts with DOC and Drew Cameron and John Gilbert invited themselves down to Montreal; this prepared stage for your meeting with Rabinovitch 9f3

proceeded with cost-benefit literature search at full steam and writing up paper overtime because two major trips coming up 9f4

March 9g

week and a half in Frobisher and resolute in order to get project off ground 9g1

## Review letter

two days to San Fransisco tacked onto Vancouver one week working session; generated eight very relevant TAs and market forecasts - this was analyzed using Kane's cross impact approach and I had all the neccessary ingredients of a working paper

9g2

found out about Bourn's French course based on increasing vocabulary of telephone terms based on self -study, completed the first 9 of 11 chapters quickly but stoped when I found myself learning words in French when I had no idea whet the English equivalent ewas (parts of main distribution frames, etc,)

9g3

## April

9h

got intoselling of incasting as CC sales was brought into act after Ken Hoyle Charlir Harris and Bill Anderson saw the slide show

9h1

got fed up with lack of documentation of computer conference evaluation which had been ready after a great deal of effort on Dec, 28; spent a week on writing report up myself since I had all necessary facts but was told indirectly by Gord Johnson that since BNR had originated project they would follow it through; I was also assured that now that various CC proposals were out of the way, attention would be paid to documenting what was becoming awfully stale data

9h2

completed cost benefit paper

9h3

afetr running many sensitivity analyses on BC tel projet cross impact matrices, I decided that the results would not be useful si nce answers were often inconsistent, rather than document this in a working paper (as I had done earlier woth Turoff applications in Sept 1973), I decided that I would hold off . publication unless it became apparent that it would be useful reading for someone in the field

9h4

got involved with Long Lines in showing how to use Turoff's cross impact in their enVironment

9h5

## May

9i

started working on scenario projects by writing glowing scenarios in which businessmen worked fom NRWCs, using conferencing, etc,, and realized that BPG experiences with 'working from home' and conferencing were totally at odds with this optimistic description of the wired city

9i1

## Review letter

realized that scenarios would simply snow readers unfamiliar with information retrieval, so decided to write negative scenarios also; after looking at limitations of wired city services, started having doubts as to whether some services would ever be used, no matter how much computer costs went down; clerical costs and problems were horrendous for anything but the most simple information retrieval system

912

since I had already become disenchanted with Delphi, cross impact and cost benefit as they had meant to be applied (quantitative management science tools), since I had a different impression of the need for conferencing text-editing, information retrieval as a widespread business tool, since on the basis of my exposure to research, I started wondering whether in general research pays for itself (e.g., \$50,000 on 5000 northern inhabitants is a very large sum compared to any results that may eventually form a basis for future actions), and finally since Mike Katsoulis and Kathryn Hume were about to join the group I thought the timing would be right to ask for a transfer

913

June 5

914

This was the first day I saw you after Katsoulis had joined group and I decided with Kathryn Hume was on the way it was time to bite the bullet and ask you for a transfer

915

since I expected to be transferred very shortly, I decided to look into some low payoff areas that interested me; since my disenchantment with wired city services was based on a hunch that most business did just not operate the way NRWC proponents hoped they did (i.e., gossip, physical presence for supervisors for the army of people with tedious jobs, etc.) I looked into business publications discussing communications and vice-versa in the McGill and Sir George libraries; I got temporarily sidetracked by looking at McLuhan and the millions of justified criticisms of his writings; I looked at Colin Cherry's theoretical dissertations and started writing a data base based on his writings in case ZI stumbled across interesting observations

916

did second round of interviews on Engelbart

917

took two weeks vacation

918

July

919

stated looking through management libraries' writings on



## Review letter

planning to see how I might integrate planning to scenarios to come up with workable project on scenarios 9k1

took two days vacation 9k2

August 91

I started to return to normal attitudes as I got involved with Long Lines and AT&T Planning on practical cross impact applications; spent a fair amount of time completely changing the course of an important AT&T project on future company postures in the regulatory environment and running problems for them and showing them how to analyze results 911

got involved with Don Munton and helped him run problems based on exercises I had suggested to him 912

I started to write down my thoughts on the Scenario project after it was made clear that you did not want this project to fizzle out and I think my approach of first rewriting negative rationales and then going to proponents to get their point of view will lead to a balanced picture of the wired city; by then I should know enough of what I'm talking about to be able to go into the guts of Ma Bell and discuss implications to the company of changing the nature of our offered services 913

I've been tracking down a lot of data that Dennis Dicks needed for the Queen's study 914

September 9m

taking anthropology of Eskimo and French course at McGill and sitting in on finance course at Universite du Quebec 9m1

continuing on scenarios project 9m2

continuing on AT&T, Long Lines, External Affairs consultation 9m3

Recommendations for next job 9n

Since things seem to be taking off in the scenario/planning project and in consulting with AT&T, Long Lines, and External Affairs, I don't mind sticking around several more months if you think I have something to contribute (of course, I'll keep any negative observations on methodologies, or wired city, etc. in the family). On the other hand if you think it is in my and/or your interests for me to move on as soon as the Queen's project is over (Nov. 1) that's also very acceptable. Right

Review letter

now the jobs I would most favour are ;FINANCE,Engineering  
Economics,Management Science, Real Estate,

9n1

IMLAC and NLS-8

(J31052) 16-SEP-74 06:06;;; Title: Author(s): Duane L. Stone/DLS;  
Distribution: /FEED( [ ACTION ] ) JHB( [ INFO-ONLY ] ) DIA( [ INFO-ONLY  
] ) ; Sub-Collections: RADC; Clerk: DLS;

IMLAC and NLS=8

This is also the case in NLS-7...just thought this would be a good time to remedy it if its not too much of a poblem,

IMLAC and NLS-8

The screen width should automatically be set to 62 at the TENEX level when the terminal type is given as IMLAC. This would prevent messages, links, etc, at the TENEX level from wrapping around and writing over,

1

IMLAC, Control=6, NLS=8

(J31053) 16-SEP=74 06:12;;; Title: Author(s): Duane L. Stone/DLS;  
Distribution: /FEED( [ ACTION ] ) JHB( [ INFO-ONLY ] ) DIA( [ INFO-ONLY  
] ) ; Sub-Collections: RADC; Clerk: DLS;

DLS 16-SEP-74 06:12 31053

IMLAC, Control=6, NLS=8

No big thing, but a little confusing when you are used to it all happening automatically,

IMLAC, Control=6, NLS=8

The control 6, which activates the screen in NLS, isn't automatically sent...one must manually insert it.

1



Accumulated problems using NLS=8 with the IMLAC

(J31054) 16-SEP-74 06:15;;; Title: Author(s): Duane L. Stone/DLS;  
Distribution: /JHB( [ INFO-ONLY ] ) FEED( [ INFO-ONLY ] );  
Sub-Collections: RADC; Clerk; DLS;

Accumulated problems using NLS=8 with the IMLAC

I will be keeping a file on the troubles I find using NLS=8 via the IMLAC. It is called <stone>IMLAC-NLS=8. Feel free to access it anytime.

1

RJC 16-SEP-74 06:39 31055

Month of August 1974

(J31055) 16-SEP-74 06:39; Title: Author(s): Roberta J. Carrier/RJC;  
Distribution: /RBP RJC; Sub=Collections: NIC; Clerk: RJC;

Month of August 1974

(auth1) 1 August = Thursday	1
Farewell luncheon for Major William Patterson on August 1 - Coalyard Charlies - 12:00 noon - \$3,50 includes everything - contact Henry Power or Ceil Friedman	1a
Branch Chief's Meeting = 0830 hrs.	1b
Due Date = ISIS/ISIM Subject Course #475 = Laboratory Management of R & D (Officers only) Due in ISI today.	1c
Form 2's (employee time expenditures) are due today.	1d
News Brief items due into Becky Today, (KJOURNAL, 19533, 11w)	1e
Bobbie; Personnel Strength Rpt. due.	1f
Laboratory Activity Reports due today; Bucciero must have them by 1000, ISM must have them by 1100, and DOT must have them by 1600, (KJOURNAL, 19513, 11w)	1g
(auf1) 2 August = Friday	2
Timecards due today	2a
(aum2) 5 August = Monday	3
1500 TPO (IS)	3a
IR Division PAR Briefings = Briefings are held at 8:30 am, Bldg 240, Conference Room A. = High Resolution Camera, M, Manor = Intel Production Sys preliminary, W, Doig = Special Color Application for S&T Intel, P, Smith	3b
(aut2) 6 August = Tuesday	4
Presentation by Planning Research Corp (ISC) WWMCCS Related Efforts = Conference rm 1 = 1000hrs = Frank Sliwa X2672	4a
1300 hrs. Branch Chiefs Meeting	4b
(auw2) 7 August = Wednesday	5
AFCEA TOURNAMENT = NO CONFESSIONS	5a
ISI/Tom = Advice ISM of Corrective Action NLS Annual Ground Safety Inspection	5b
(auth2) 8 August = Thursday	6

Month of August 1974

Branch Chief's Meeting - 0830 hrs.	6a
Due/Date - ISIM - SAMSO/DYT ltr - Proposed Program for Computer Pgm Verification Validation & Certification Aids Network COMPLETED	6b
0930 Gen Robbins Briefing Dry Run	6c
1030 TPO 11 (ISI)	6d
1330 NSW Dry Run to Col Krutz	6e
1530 Application Software Program	6f
Laboratory Activity reports due today: Bucciero must have them by 1000, ISM must have them by 1100, and DOT must have them by 1600, (KJOURNAL, 19513,1;w)	6g
(auf2) 9 August - Friday	7
1200 Lunch - Capt Daughtry - Fort Inn	7a
Due Date - Final Rpt, - F30602-73C-0321 for Tech Review	7b
Due Date - Subj: Management Assessment Reports	7c
Due Date - ISIM - Subject: Base-Top Data Mgt System/Data Base Administrative Symp	7d
1330 Dry Run to Col Giesy (Nat'l Software Works for Col Fernandez)	7e
1400 Briefing (WWMCCS) to Col Giesy	7f
(aum3) 12 August - Monday	8
IR Division PAR Briefings - Briefings are held at 8:30 am, Bldg 240, Conference Room A - EICS Test Results, Lt. Boyle - Wideband Instrumentation Recorder, A. Jamberdino - Cross Correlation, Lt. Blosser	8a
Due Date - ISIM - Contract F30602-73-C-0223 Contract Retirement COMPLETED	8b
Due Date - ISIM/D, Stone - Contract F30602-73-C-0285 (Subject Contract Being Prepared for Retirement) COMPLETED	8c
0830 TPO 12	8d

Month of August 1974

(aut3) 13 August = Tuesday	9
1300 hrs, Branch Chiefs Meeting	9a
Due Date = ISIM/ISIS = Principles & Design of Ultra Reliable Digital Conducted at GAFB	9b
Due Date = ISIM/ISIS = 1152s submitted to ISIM no later than today	9c
ISC Confessions 1000 hrs,	9d
Demonstration = Ossman Instruments = Versatec 1100A Graphics Printer = 1100 = 1600 = Display Facility Bldg 3 = For Further Details Call RADC/ISF/X7009	9e
(auw3) 14 August = Wednesday	10
(auth3) 15 August = Thursday	11
Branch Chief's Meeting at 0830 hrs,	11a
Laboratory Activity Reports due today: Bucciero must have them by 1000, ISM must have them by 1100, and DOT must have them by 1600, (KJOURNAL, 19513, itw)	11b
Due Date = ISI/ISIM/ISIS = 1973-74 Documentation Mgt Survey	11c
Due Date = ISIM/Panara = Due in ESD today = Mitre Program 5220 =Support for Software Reliability COMPLETED	11d
(auf3) 16 August = Friday	12
Timecards due today	12a
R & T Selection of the Month is due in ISI. (KJOURNAL, 19531, itw)	12b
(aum4) 19 August = Monday	13
IR Division PAR Briefings = Briefings are held at 8:30 am, Bldg 240, Conference Room A = peace OW1 = Seta Contract, Capt Hull = Telemetry Analysis, W. Hartnett = AMIDS, Capt Turinetti	13a
(aut4) 20 August = Tuesday	14
1300 hrs, Branch Chiefs Meeting	14a
Collect topic write-ups today by noon for confessions,	14b

Month of August 1974

Due Date = ISIS/D, Mark = Final Rpt F30602=74=C=0186 for Technical Review 14c

USC Term II 20 Aug = 15 Oct 74 (1) ASM 517 = Psychological factors in systems management (2) ASM 523 = man-environment factors in systems management = tuition rate \$291,00 14d

(auw4) 21 August = Wednesday 15

ISI Confessions 0830 hrs, 15a

Due Date = ISIS/ISIM =AF1152s due to ISIM no later than today for fall semester courses at: (1) GAFB resident graduate center = tuition \$282 (2) Syracuse University Campus/University College = tuition \$360,00 (3) Utica College (undergraduate) \$39,00 (4) MVCC 3 credit hr courses = \$39,00 4 credit hr courses = \$52 15b

(auth4) 22 August = Thursday 16

Branch Chief's Meeting at 0830 hrs, 16a

Due Date = ISIS = Support of SAMSO Technology Needs = TN 74=39, 40, 41, 42, 43 & 44 16b

Laboratory Activity Reports due today! bucciero must have them by 1000, ISM must have them by 1100, and DOT must have them by 1600,(KJOURNAL, 19513,11W) 16c

(auf4) 23 August = Friday 17

Due Date = ISIM = E, Kennedy = Foreign Request for RADC Technical Classified Info AS OF 1709 22 AUGUST I STILL HAVE NOT RECEIVED THE THING THAT IS DUE TOMORROW, I HAVE MADE REPEATED INQUIRIES AND DRAW A BLANK, I WILL BE OFF NEXT WEEK SO,,, 17a

On Aug 24, 1974 = CLAMBAKE sponsored by GAFB Civilian Welfare Fund = Noon to 6 p.m. (Sales of Tickets Close 19 Aug 74) = At Oasis Restaurant Junction Routes 233 & 5 = Costs = Civilian Employees \$7,00 and Guests \$12,00 = Menu: Saugage/Peppers, Steak Sandwiches, Kielbasa, Hot Dogs & Hamburgs, Clam Chowder, Corn-on-the=Cob, Chicken, Watermelon, Beer & Soda, Raw & Steamed Clams, Maalox = Live Entertainment 3=6 p.m. = Tickets available at Contrails Restaurant = Bldg 3 can get tickets from Dick Semeraro X7861 Room 6 17b

(aum5) 26 August = Monday 18

IR Division PAR Briefings = Briefings are held at 8:30 am,, Bldg

Month of August 1974

240, Conference Room A - SAC IDH Improvement, B, Ditano - Coop  
 Program for Italian Air Force, J, Diello - AN/MLQ-T2 - I, Eitches 18a

(aut5) 27 August - Tuesday 19

1300 hrs, Branch Chiefs Meeting 19a

Due Date - ISIS/J, Cellini - Interim Report - F30602-74-C-0036 for  
 Technical Review COMPLETED 19b

(auw5) 28 August - Wednesday 20

(auth5) 29 August - Thursday 21

0830 hrs, - Branch Chief's Meeting 21a

Laboratory Activity Reports due today: Bucciero must have them by  
 1000, ISM must have them by 1100, and DOT must have them by  
 1600. (KJOURNAL, 19513, iW) 21b

(auf5) 30 August - Friday 22

Timecards due today 22a

Form 2's (employee time expenditures) are due today. 22b



Tickler - Week of 16 Sep 74

(J31056) 16-SEP-74 06:55; Title: Author(s): Roberta J. Carrier/RJC;  
Distribution: /FJT TJB2 RJC JLM RFI DLS EJK JPC RBP FSL WER MAW DFB RAL;  
Sub-Collections: NIC; Clerk: RJC;

Tickler - Week of 16 Sep 74

Please note that ISI Confessions are being held this week.

Tickler - Week of 16 Sep 74

(sm3) 16 September = Monday	1
R & T Selection of the Month is due in ISI, (KJOURNAL, 19531, 1:w)	1a
(st3) 17 September = Tuesday	2
Col Krutz = TDY	2a
1300 hrs, Branch Chiefs Meeting	2b
Collect topic write-ups today by noon for confessions,	2c
(sw3) 18 September = Wednesday	3
Col Krutz = TDY	3a
ISI Confessions 0830 hrs,	3b
(sth3) 19 September = Thursday	4
0830 hrs, Branch Chiefs Meeting	4a
Laboratory Activity Reports due today: Bucciero must have them by 1000, ISM must have them by 1100, and DOT must have them by 1600, (KJOURNAL, 19513, 1:w)	4b
(sf3) 20 September = Friday	5

MIKE 16-SEP-74 10:16 31057

text of letter from MTB to JEM, accompanying check for 2nd paper

(J31057) 16-SEP-74 10:16; Title: Author(s): Michael T. Bedford/MIKE;  
Distribution: /LHD; Sub=Collections: NIC; Clerk: MIKE;

MIKE 16-SEP-74 10:16 31057

text of letter from MTB to JEM, accompanying check for 2nd paper

check will go out this afternoon to her address in Phila,

text of letter from MTB to JEM, accompanying check for 2nd paper

Dear Elaine,

1

Enclosed is a cheque for US\$ 570.00 in compensation for your second contribution to the Business Planning Papers series, and as reimbursement for your incurred typing expenses,

2

I have also enclosed a few copies of the paper as it appears in the Business Planning Papers format,

3

Thanks once again for you contribution, and have a good year. Larry and I are both looking forward to your continuing reports,

4

NDM 16-SEP-74 14:50 31058

Split screen commands

(J31058) 16-SEP-74 14:50; Title: Author(s): N. Dean Meyer/NDM;  
Distribution: /CHI FDBK RWW RLL; Sub=Collections: SRI-ARC; Clerk: NDM;

Split screen commands

Not too late to change, is it?



## Split screen commands

I think the new split screen control commands are very poor. When I go to split my screen, I know where I want the boundary. I don't want to have to stop and figure which boundaries it may fall perpendicular to. Isn't much more straightforward to say "Insert a Horizontal Boundary (or Edge if you will) here"? As Robert said, even those of us familiar with trigonometry found the new command non-intuitive (a euphemism). Let me once more ask you to consider the suggestions made in 30932.

1

ISI Confessions

(J31059) 17-SEP-74 06:04; Title: Author(s): Roberta J. Carrier/RJC;  
Distribution: /FJT TJB2 RJC JLM RFI DLS JPC ELF EJK RBP FSL WER RAL DFB  
MAW; Sub-Collections; NIC; Clerk; RJC;

ISI Confessions

As you probably know by now, ISI Confessions has been cancelled until  
25 September,

(J31060) 17-SEP-74 06:27;;; Title: Author(s): Connie K,  
McLinden/CKM; Distribution: /CKM( [ ACTION ] ) CKM( [ INFO-ONLY ] ) ;  
Sub-Collections: NIC; Clerk; CKM;

17m confused

Sort Key extractors

(J31061) 17-SEP-74 09:19; Title: Author(s): N. Dean Meyer/NDM;  
Distribution: /MIKE IMM(info-only) PAN(info-only); Sub-Collections:  
SRI-ARC; Clerk: NDM;

## Sort Key extractors

Mike: Sort key extractors are tricky. We currently don't have any documentation on how to write them. If you are serious in your need for them, I should get together with you and Penny by link (shared screens?) and voice line to teach you how. Hope we can provide documentation someday soon.

1

Bug in split screens on Line Processor

(J31062) 17-SEP-74 09:35;;; Title: Author(s): N, Dean Meyer/NDM;  
Distribution: /CHI( [ ACTION ] ) FDBK( [ ACTION ] ) RWW( [ INFO-ONLY ] )  
; Sub-Collections: SRI=ARC; Clerk: NDM;



Bug in Split Screens on Line Processor

I am still bugged by not being able to bug anything in the top line  
of the bottom window in a horizontally split screen.

1

NDM 17-SEP-74 09:38 31063

Dialog Leading to 8 Aug 74 Demo for Dave Russell, DCA Committee

(J31063) 17-SEP-74 09:38;;; Title: Author(s): N, Dean Meyer/NDM;  
Sub-Collections: SRI=ARC; Clerk; NDM;

Dialog Leading to 8 Aug 74 Demo for Dave Russell, DCA Committee

(ARPA-Demo)

16-AUG-74 1504=P NDM RLL: Script and attendees at DCA/ARPA demo on 8/9 August 1974 at SRI-WASH for the Executive Panel DoD Interneting Study Group

Distribution: NDM RLL JCN DCE JHB

Received at: 16-AUG-74 16:31

Location: (MJOURNAL, 23815, 11w)

1

1a

6-AUG-74 2155=PDT LIEBERMAN: Demo scenario

Distribution: MEYER, lieberman

Received at: 6-AUG-74 21:55:56

1b

In my directory there are files: ndmix, ndm2x, dean, 43535x, these are the same as your files (without the trailing x) modified, corrected, deleted, etc, by me. Some suggestions I strongly urge others fall into the 'if have time category'. Will talk to you Wednesday. Stay cool, Rob

1b1

6-AUG-74 0927=PDT BROWN: WDC Demo

Distribution: MEYER, brown, kerns, capps

Received at: 6-AUG-74 09:27:26

1c

I will not be in Washington for the demonstration, Carrol Kerns is traveling to Washington today and will demonstrate, Dave Brown

1c1

6-AUG-74 1544=EDT BTHOMAS at BBN-TENEX; FILE TO BE USED FOR NET DEMO

Distribution: MEYER AT OFFICE=1

Received at: 6-AUG-74 13:16:03

1d

BERT SUTHERLAND ASKED THAT I SEND TO YOU A COPY OF THE FILE WE WILL MAKE AS PART OF THE DEMO LATER THIS WEEK

- THE FOLLOWING IS THE FILE:

1d1

I. This is the first part of a simple report used to demonstrate use of a distributed file system. The report consists of three parts which are distributed among various computers connected to the ARPANET.

1d2

II. The demonstration will involve collection of the three parts of the report (of which this is the second part) and merger of them together to form the final report. The various parts will be gathered together in a site independent manner.

1d3

Dialog Leading to 8 Aug 74 Demo for Dave Russell, DCA Committee

III, The completed report will then be transmitted to its destination using the network mail service. To complete the demonstration the report will be received and read at the destination.

1d4

BOB THOMAS

1d5

5=AUG-74 1326=PDT MEYER: 8-9 Aug Demo  
Distribution: SUTHERLAND AT BBN, BROWN, KERNS, meyer, norton,  
Jordan  
Received at: 5=AUG-74 13:26:27

1e

I would like to get my fellow demonstrators together for a bit on Wednesday afternoon. This will give us a chance to coordinate and to try the terminal with your stuff, etc., (Dave Russell asked if we were going to have a rehearsal, and asked to be invited.) Will all of you be here Wednesday PM?

1e1

Also, is there anything I can do at this point for you (hotel, etc.)?

1e2

--Dean Meyer

1e3

5=AUG-74 0746=PDT MEYER: Demonstration for Dave Russell this Thurs.  
Distribution: ENGELBART, NORTON, lieberman, meyer  
Received at: 5=AUG-74 07:46:17

1f

Doug: Dave would like to have his demo Thursday and Friday of this week. I think everything is going smoothly, but it would be nice to have a second arc person here to help me. Jim suggested you might help me find someone. (Lieberman just moved out there and feels uncomfortable about coming back here so soon.) Any ideas?

1f1

3=AUG-74 1836=EDT SUTHERLAND at BBN-TENEXA: ARPANET DEMO  
Distribution: MEYER AT OFFICE-1, RUSSELL AT ISI, bthomas  
Received at: 3=AUG-74 15:35:05

1g

CURRENT BBN PLAN FOR NET DEMO WILL SHOW CAPABILITIES OF NET USE BY DOING A SMALL PROBLEM; ASSEMBLING A DUMMY REPORT OUT OF DATA IN SEVERAL SYSTEMS AND SENDING IT OFF AS A MSG. THE MSG WILL THEN GET READ IN AN RD CONTEXT. WE PLAN TO USE RSEXEC TO SHOW THIS KIND OF USE WHICH SHOULD BE EASY FOR THE DOD INTERNET PANEL PEOPLE TO UNDERSTAND AND ILLUSTRATIVE OF A CAPABILITY THEY ARE SEEKING.

1g1

Dialog Leading to 8 Aug 74 Demo for Dave Russell, DCA Committee

FURTHERMORE - I PLAN TO COME DOWN TO SHOW AND TELL AND DISCUSS AT THE WASH END BUT WILL LEAVE THE EXPERTS HOME AND DO DEMO THRU NETWORK LINK - ANOTHER NEAT NET CAPABILITY, (ASSUMING IT ALL WORKS - WE WILL PRACTICE) 1g2

LOOKING FORWARD TO THE SHOW, REGARDS BERT 1g3

2-AUG-74 1509-PDT LIEBERMAN; demo, r11 to DC, Distribution: MEYER, lieberman Received at: 2-AUG-74 15:09:45 1h

Dean: next week is asking a lo from Barb, Don't think I should even ask her, It will take a month I think to complee the unpacking.

How desperate are you?

Moving van came yesterday, Loads of boxes allover, Picked up Dodge,

Have to ge bike realllll ssoooooonn, Will be in and out here (at ARC) just to pick up messages, calling fr Phone now, Le me kno how bad ou need elp, Sure we can find someone to support you if I cannot come Keep pushing and don't worry, I will certainly be here if not there o help you whenever you need some, Just adk, Robert

1h1

2-AUG-74 1124-PDT MEYER; Tentative Agenda for 8-9 August Demonstration Distribution: RUSSELL, BROWN, SUTHERLAND AT BBN, NORTON, LIEBERMAN AT ARC,, McMains, Discourse AT MULTICS, meyer, mclindon, capps, jordan Received at: 2-AUG-74 11:24:10 11

TENTATIVE AGENDA: ARPANET Demonstration, August 8th and 9th 111

Introduction Dave Russell, ARPA 10 9:00 (if he desires to do it) 112

ARPANET Overview ARC (NDM) 10 9:10 113

Selected systems demonstrated 114

TENEX; SNDMSG, READMAIL BBN 50 9:20 RD, TECO, TELNET 114a

Coffee break 10 10:10 115

Dialog Leading to 8 Aug 74 Demo for Dave Russell, DCA Committee

MULTICS: DEIS 10:20	DRB2 (MULTICS)	30	115a
NLS: TNLS, DNLS 10:50	ARC (NDM)	50	115b
Summary and discussion 11:40	Dave Russell, ARPA	20	116

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 ---  
 TOTAL 3 hrs  
 12:00 117

Note: All comments are more than welcome, Dean Meyer@Office=1 (NDM) 118

1=AUG-74 0924=PDT MEYER: Demo for Dave Russell  
 Distribution: LIEBERMAN AT ARC, norton, meyer, lee  
 Received at: 1=AUG-74 09:24:58 119

Rob: Glad to hear move went smoothly. Hate to ask this, but... 121

Demo for Russell will be 8 and 9 of August, at 9 in morning, (Two days so can have smaller groups.) Would very much like assistance in giving our share. Could you come out next Wednesday, the 7th, through Friday afternoon? Anxious to hear... 122

Hi to Barb (and kids; Michael will appreciate that). See ya... Dean 123

31=JUL-74 1203=PDT RUSSELL at USC-ISI: DEMONSTRATION FOR DOD INTERNETTING GROUP  
 Distribution: SUTHERLAND AT BBN=TENEX, RUSSELL, LYONS, MEYER at OFFICE=1, NORTON at OFFICE=1,, CAPPS at OFFICE=1, BROWN at OFFICE=1  
 Received at: 31=JUL-74 12:12:47 124

BERT,  
 I HAVE ASKED JIM NORTON AT SRI TO PUT TOGETHER A DEMONSTRATION OF VARIOUS ARPANET HOST CAPABILITIES FOR MEMBERS OF THE EXECUTIVE PANEL OF THE DOD INTERNETTING STUDY GROUP AND POSSIBLY SELECTED MEMBERS OF THE DTACCS STAFF, 125

THE PROPOSED DEMONSTRATION WOULD INCLUDE;

Dialog Leading to 8 Aug 74 Demo for Dave Russell, DCA Committee

TENEX:

SNDMSG  
 READMAIL  
 RD  
 TECO  
 TELNET

NLS:

JOURNAL  
 TEXT EDITING

MULTICS:

DEMONSTRATION OF THE  
 OF A LARGE ON-LINE DATA

ANALYSIS  
 BASE,

1k2

WOULD IT BE POSSIBLE FOR BBN TO PUT ON A DEMONSTRATION OF THE  
 TENEX  
 PORTION OF THE PROPOSED DEMONSTRATION FROM 0900 TO 1100 AT THE  
 SRI  
 WASHINGTON OFFICE ON 8 AND 9 AUG 74? SRI WILL CONDUCT THE  
 OTHER TWO ELEMENTS OF THE DEMONSTRATION AND HANDLE ALL OTHER  
 ARRANGE-  
 MENTS FOR THE DEMONSTRATION, THE SRI-WASHINGTON OFFICE HAS ONE  
 TV  
 MONITOR, I ESTIMATE GROUPS OF 6 TO 8 AT EACH SESSION

PLEASE GIVE ME YOUR COMMENTS,  
 DAVE RUSSELL/ARPA

1k3

30-JUL-74 1123-PDT LIEBERMAN; Demo coming up,  
 Distribution: MEYER, lieberman  
 Received at: 30-JUL-74 11:23:45

11

Dean: Don't think I will be available til September, Plane  
 leave Wednesday (tomorrow) and don't think it wise to leave the  
 wife alone for at least a month, Of course I will help all I  
 can on the script/scenario/slides/viewgraphs/etc, We are sort  
 of preped from our outline we did for the NSA people and the  
 DNR movie, See the file (lieberman,onr,script:wxb) for the  
 latest version,

guess you will be on the plane when I send this so welcome to  
 VA,

Hope to have phone installed at new home this week, Maybe able  
 to drop in at the office Wednesday, late, See you

P.S, having a very difficult time selling Volvo, Would have  
 been nice to have it in Calif rto sell but that is my fault,  
 thought it would be easy, dealers offering only 1500, retail  
 valusee is 3200, will sell it for 2200 to 2500( that is a  
 buy!!!!!!)might have to leave it with Mother-in-law, UGH,  
 Rob

111

Dialog Leading to 8 Aug 74 Demo for Dave Russell, DCA Committee

29-JUL-74 1324=PDT MEYER: DSA Demonstration  
 Distribution: RUSSELL, meyer, norton, lieberman at ARC  
 Received at: 29-JUL-74 13:24:09 1m

Dave: I would like to ask BBN to help with TENEX part of demonstration for DSA. Is that OK? May I send them a copy of your message to Norton about this? --Dean Meyer, SRI-ARC 1m1

29-JUL-74 1209=PDT MEYER at OFFICE-1; DCA Demo; TENEX stuff  
 Distribution: NORTON AT ARC, LIEBERMAN AT ARC, ENGELBART AT ARC,, WATSON AT ARC, MEYER AT ARC  
 Received at: 29-JUL-74 15:01:23 1n

Connie is very busy preparing to take four or five days off the second week of August. For that reason, and because she doesn't think it appropriate for her (a ARPA person), she would rather not participate in demo. 1n1

I will ask Dick for help contacting BBN. 1n2

27-JUL-74 0032=p JCN: Demo planning and Giving for DCA at SRI=WASH  
 Distribution: JCN NDM RLL DCE RWW DCR2  
 Received at: 27-JUL-74 04:31  
 Location: (GJOURNAL, 23688, iw) 1o

Note: [ ACTION ] 1o1



Confusion is rampant

(J31064) 17-SEP-74 09:44;;; Title: Author(s): Edmund J,  
Kennedy/EJK; Distribution: /DLS( [ ACTION ] ) RJC( [ INFO-ONLY ] ) EJK(  
[ INFO-ONLY ] ) ; Sub=Collections: RADC; Clerk: EJK;

Confusion is rampant

I'm going tto get one of these through if it kills me,

1