TNLS-8 Quick Reference [DRAFT MATERIAL FOR THE CUECARD]

The draft material for the cuecard is hereby journalized under the
number appearing on the card. This is the version dated 1-SEP-74,
BUT INCLUDES corrections to that text.

TNLS-8 QUICK REFERENCE   SRI-ARC 1-SEP-74 23753

1

SYNTAX CONVENTIONS & SPECIAL CHARACTERS

2

This reference card shows the most frequently used TNLS commands.
What you type appears here in red boldface, what the system types
back at you appears in black boldface, characters that either may
type depending on recognition mode (see "COMMAND RECOGNITION")
appear in green, and our comments appear in italics. Words all in
upper case letters are variables, that is, selections you can
make.

2a

SUBSYSTEM   Base or Programs or Sendmail or UserOptions or
             Calculator or Tenex (or a loaded userprogram
             which runs as a subsystem)

2b

STRING   Character or Word or Visible or Invisible or Number
             or Link or Text

2c

STRUCTURE   Statement or Group or Branch or Plex

2d

ADDRESS   in a TNLS command, the way you specify a location in a
             file. See "ADDRESSING"

2e

TYPEIN   Type in any string of characters except a CR or CD, and
             end with a CR.

2f

CR   Carriage Return key: confirms a command or terminates a
             field within a command. CA or INSERT or REPEAT may be
             used instead of CR. INSERT and REPEAT have special
             functions at certain times (see below).

2g

CA   <^d> may replace CR anytime in NLS

2h

REPEAT   <^b> instead of CR, at the end of any command, executes
             command and starts it over up to the next place you can
             specify something. The repeats go on until you type CD.

2i

INSERT   <^e> instead of CR, at the end of a command in Editor
             subsystem only, executes command and starts "Insert
             Statement" command, using current location for ADDRESS.
             The inserts continue until you type CD.

                                                                          2j

CD   <^x> Command Delete aborts a command immediately

                                                                          2k

LEVADJ   any number of level-adjustment characters: u for up,
             d for down, terminated by a SPACE or CR

                                                                          2l

VIEWSPECS   a string of any VIEWSPEC codes terminated by a CR, or
             just a CR for no change. (see "VIEWSPECS")

                                                                          2m

ANSWER   y for yes, n for no

                                                                          2n

CM   Control Marker points to the characte where NLS is
             operating at any moment.

                                                                          2o

/   logical "or"

                                                                          2p

[ ]   squarebrackets enclose optional elements which you can
             use by typing <^u> first.

                                                                          2q

ALT   ALT MODE or ESCAPE key

                                                                          2r

LF   LINEFEED key

                                                                          2s

<>   SPACE key

                                                                          2t

<^ >   surrounding a character indicates a control character: type
       that character while holding down the CONTROL or CTRL key

                                                                          2u

<^a>   delete/backspace previous character or command element   2v

<^c>   interrupts NLS processing and returns control to the Tenex
       Exec. Can be useful in emergencies when no other character

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does anything. To recall NLS, see "CALLING NLS"

2w

<^o>   stops printing

2x

<^v>   literal escape, used in TYPEIN to precede character which
        otherwise has special function

2y

<^w>   delete/backspace previous word

2z

TIP COMMANDS

3

Using the system at Office-1 through the ARPA Network:

3a

For terminals with movable print head running at 30 cps or over,
use: 3b

   @d<>c<>e LF so characters aren't lost during carriage return
   (device code extrapadding)   3b1

@l<>43 LF   to connect to site 43 (Office-1)   3c

A message will indicate you have reached Tenex at Office-1, and
its herald "@" will print on the next line.

3d

@c LF   to disconnect TIP after logging out of the system

3e

LOGIN AND CALLING NLS

4

Log in upon reaching Tenex; it prints its herald "@" when ready:

4a

@login<>USERNAME<>PASSWORD<>ACCT CR Login to Tenex   4b

   USERNAME Type in your username   4b1

   PASSWORD Type in your password; it won't echo   4b2

   ACCT   Type in your account number, or omit for default

3

account

4b3

@nls CR Calls NLS; also use to start over in NLS after an
         NLS Quit, or after a <^c>

4c

If Tenex or NLS asks for your Ident, type it in followed by CR.

4d

VIEWSPECS

5

a   show one level less

5a

b   show one level more

5b

c   show all levels

5c

d   show first level only

5d

e   show to the referenced level only

5e

g   show branch only

5f

h   show all branches

5g

i   filter statements

5h

j   don't filter statements

5i

k   show next filtered statement

5j

l   show plex only

5k

m   statement numbers/SIDs on

5l

n   statement numbers/SIDs off

5m

q   show one line less

5n

r   show one line more

5o

s   show all lines

5p

t   show first lines only

5q

w   show all lines & all levels

5r

x   show only one line & one level

5s

y   show a blank line between statements

5t

z   don't show blank lines

5u

A   level indenting on

5v

B   level indenting off

5w

C   show statement names

5x

D   don't show statement names

5y

E   paginate when printing

5z

F   don't paginate

5a@

G   statement numbers/SIDs on right

5aa

H   statement numbers/SIDs on left

5ab

I   show SIDs, not statement numbers

5ac

J   show statement numbers, not SIDs

5ad

K   show statement signatures

5ae

L   don't show statement signatures

5af

ADDRESSING & LINKS

6

A LINK is: <ADDRESS :VIEWSPECS>

6a

You don't need anglebrackets < > when you TYPEIN a Link,   6a1

parentheses ( ) as well as anglebrackets can demark links,

6a2

An ADDRESS may be: FILE-ADDRESS and/or IN-FILE-ADDRESS

6b

FILE-ADDRESS: Specify the file first:

6c

SITE, DIRECTORY, FILENAME,   6c1

These terms will default from left to right if omitted; ie,
DIRECTORY,FILENAME, will assume current site; FILENAME, alone
will assume current site and connected directory; omit all
three terms for current file. The number of commas determines
which word is taken as filename and which as directory, etc,
Omit commas for omitted fields,

6c2

IN-FILE-ADDRESS: Specify a location within the file by typing a
sequence of one or more of the following elements, separated from
each other by a SPACE:

6d

JUMPING & SEARCHING in files (letters preceded by a period):
A number (defaulted to 1) between the period and the letter
dictates the number of moves.

6d1

.b	back	.o	origin

6d1a

.c	next occurence of content	.p	predecessor

6d1b

.d	down	.r	return

6d1c

.e	end	.s	successor

6d1d

.fr	file return	.t	tail

6d1e

.h	head	.u	up

6d1f

.l   find and take the LINK   .w   next occurence of
word

6d1g

.n   next statement

6d1h

SKIP within statement (a letter preceded by + or -):
A plus (+) means skip ahead in the statement; a minus (-) means
skip backward. A number (defaulted to 1) between the +/- and
the letter dictates the number of such skips.

6d2

+c   skip to character

6d2a

+e   skip to last character (end) of statement

6d2b

+f   skip to first character (front) of statement

6d2c

+i   skip to invisible

6d2d

+l   skip to link

                                                                    6d2e

+n   skip to number

                                                                    6d2f

+v   skip to visible

                                                                    6d2g

+w   skip to word
EXAMPLES

                                                                    6d2h

SID; Statement IDentifier (no preceding character):   012

                                                                    6d3

STATEMENT NUMBER (no preceding character):   1a2b3c

                                                                    6d4

ANY NAME (no preceding character):   STATEMENTNAME

                                                                    6d5

NEXT NAME (preceded by an asterisk):   *STATEMENTNAME

                                                                    6d6

MARKER SEARCH (preceded by pound sign):   #MARKER

                                                                    6d7

CHARACTER SEARCH (preceded by single quote):   'a
(may be followed by = and a NUMBER and s to limit   'a=3s
search to NUMBER statements, NUMBER defaults to 1)

                                                                    6d8

CONTENT SEARCH (surrounded by quotes):   "TYPEIN"
(may be followed by = and then w [for the content "TYPEIN"=2w3s
as word] with optional NUMBER and/or s [for statements
to search in] with optional NUMBER, NUMBER defaults to 1)

                                                                    6d9

SLASH (prints context of CM):   /

                                                                    6d10

BACKSLASH (prints statement containing the CM):   \

                                                                    6d11

Omission of an IN-FILE-ADDRESS defaults to the first character
of the file given as FILE-ADDRESS, or the current location if
no FILE-ADDRESS is given either.

                                                                    6d12

End an ADDRESS with CR

6e

COMMAND RECOGNITION

7

You or the system type words in green according to your
recognition mode:

7a

Terse: For common commands, type the first letter; for others
type a space and then secondary mode takes over. For secondary
mode Terse, type enough letters after the space. Secondary modes
Anticipatory, Demand, & Fixed work as described below.

7b

Fixed: You type the first three letters.

7c

Anticipatory: It will take off when you've typed enough letters.

7d

Demand: Type as many letters as you think are enough, then hit ALT
or a SPACE.

7e

HELP

8

? at any time in NLS (except in a TYPEIN) shows your current
alternatives.

8a

For explanation of your alternatives at any point, type <"q>

8b

Use a Help command for menued information on how to use each NLS
subsystem: Help CR   or   Help TYPEIN CR   8c

For TYPEIN give a word or phrase you want defined, or a menu
number from your last Help view.

8d

After <"q> or a Help command, ? tells you how to continue getting
Help. CD stops Help.

8e

COMMANDS IN ALL SUBSYSTEMS

                                                    9

    Execute (command in) SUBSYSTEM

                                                    9a

    Goto (subsystem) SUBSYSTEM CR

                                                    9b

    Jump (to) Address ADDRESS VIEWSPECS CR (use ? or Help to learn
                                            about other Jump commands)

                                                  9c

    Help CR   see "HELP"

                                                    9d

    Quit CR   returns to previous NLS subsystem or to Exec if none

                                                  9e

    Quit To SUBSYSTEM CR   returns to the one named

                                                  9f

    ?   to list current alternatives

                                                  9g

    <^q>   to get Help with current alternatives

                                                  9h

    <   shows subsystem stack

                                                  9i

    >   shows current subsystem

                                                  9j

    ; TYPEIN   for comments

                                                  9k

SENDMAIL SUBSYSTEM COMMAND

                                                  10

    Interrogate CR (distribute for action to:) IDENTLIST CR
    (distribute for information only to:) IDENTLIST CR (title:)
    TYPEIN/[ADDRESS] (type of source:) ITEM (show status?) ANSWER
    (send the mail?) ANSWER

                                                  10a

    ITEM = STRUCTURE (at) TYPEIN/[ADDRESS]
        or File ADDRESS

        or Message TYPEIN/[ADDRESS]
        or Offline TYPEIN/[ADDRESS]

                                                                10b

FINDING IDENTS

                                                                11

    Whenever an IDENT is required, and you don't know the correct
    IDENT of an individual or group, type one of these instead:

                                                                11a

    .LASTNAME   searches for individuals with last name
    LASTNAME

                                                                11b

    .BEGINLASTNAME...   searches for all individuals whose last name
                           begins with BEGINLASTNAME

                                                                11c

    "TYPEIN"   searches for the occurrence of TYPEIN in the
                           name of all individuals, groups, and
                           organizations   11d

    <^o> stops the search

                                                                11e

    Sendmail subsystem command to read the record for an IDENT:

                                                                11f

        Show Record (for Ident) TYPEIN/[ADDRESS] CR   TYPEIN or ADDRESS
        of   an IDENT

                                                                11f1

EDITOR SUBSYSTEM COMMANDS

                                                                12

    Append Statement (at) ADDRESS/[TYPEIN] (to) ADDRESS (join with)
    TYPEIN/[ADDRESS] CR

                                                                12a

    Break Statement (at) ADDRESS LEVADJ CR

                                                                12b

    Connect (to) Directory TYPEIN/[ADDRESS] (Password) PASSWORD CR

                                                                12c

Copy Directory (to) TYPEIN/[ADDRESS] (to follow) ADDRESS LEVADJ CR

12d

Copy File (from) TYPEIN/[ADDRESS] (to) TYPEIN/[ADDRESS] CR

12e

Copy STRING (from) ADDRESS/[TYPEIN] (to follow) ADDRESS CR

12f

Copy STRUCTURE (from) ADDRESS/[TYPEIN] (to follow) ADDRESS LEVADJ
CR

12g

Copy Sequential (file from) TYPEIN/[ADDRESS] (to follow) ADDRESS
LEVADJ CR

12h

Create File TYPEIN/[ADDRESS] CR

12i

Delete All (markers) CR

12j

Delete File TYPEIN/[ADDRESS] CR

12k

Delete Marker (named) TYPEIN/[ADDRESS] CR

12l

Delete Modifications (to file) CR (really?) CR

12m

Delete STRING/STRUCTURE (at) ADDRESS CR

12n

Edit Statement (at) ADDRESS EDITSTRING CR

12o

Expunge Directory CR

12p

Force (Case) Mode Upper/Lower/First CR

12q

Force (Case) STRING/STRUCTURE (at) ADDRESS CR

12r

Insert STRING (to follow) ADDRESS TYPEIN/[ADDRESS] CR

12s

Insert STRUCTURE (to follow) ADDRESS LEVADJ TYPEIN/[ADDRESS] CR

                                                                12t

Load File TYPEIN/[ADDRESS] CR

                                                                12u

Logout CR logs you out of NLS & Tenex; does not disconnect TIP

                                                                12v

Mark Character (at) ADDRESS (with marker named) TYPEIN/[ADDRESS]
CR

                                                                12w

Merge STRUCTURE (at) ADDRESS (into) ADDRESS CR

                                                                12x

Move STRING (from) ADDRESS/[TYPEIN] (to follow) ADDRESS CR

                                                                12y

Move STRUCTURE (from) ADDRESS/[TYPEIN] (to follow) ADDRESS LEVADJ
CR

                                                                12z

Output (to) Journal (quickprint) CR*

                                                                12a@

Output (to) Printer File TYPEIN/[ADDRESS] CR compile thru Output
                                    Processor to the new
                                    file you name

                                                                12aa

Output (to) Quickprint CR*   1 copy of current file

                                                                12ab

Output (to) Remote (printer TIP) TYPEIN/[ADDRESS] (port #)
TYPEIN/[ADDRESS] (send form feeds?) ANSWER (wait at page break?)
ANSWER (Go?) ANSWER

                                                                12ac

Output (to) Terminal CR (send form feeds?) ANSWER (wait at page
break?) ANSWER (Go?) ANSWER*
                        |----------------------------| 12ad

Print File CR* |* Type <^o> to stop printing|
                        |----------------------------| 12ae

Print Rest CR* from current statement to end of file

                                                                12af

Print STRUCTURE (at) ADDRESS VIEWSPECS CR*

12ag

Replace STRING/STRUCTURE (at) ADDRESS (by) TYPEIN/[ADDRESS] CR

12ah

Reset Case (mode) CR

12ai

Reset Viewspecs CR

12aj

Set Content (pattern) To TYPEIN/[ADDRESS] CR then turn on viewspec
i or k

12ak

Set Nls (protection for file) Private CR

12al

Set Nls (protection for file) Public CR

12am

Set Viewspecs VIEWSPECS CR

12an

Show Disk (space status) CR

12ao

Show File Return (ring) CR

12ap

Show File Status CR

12aq

Show Marker (list) CR

12ar

Show Viewspecs (status) CR

12as

Simulate (terminal type) DEVICES CR (DEVICES defined under
"USEROPTIONS")

12at

Sort STRUCTURE (at) ADDRESS CR

12au

Substitute STRING (in) STRUCTURE (at) ADDRESS (new STRING)
TYPEIN/[ADDRESS] (for old STRING) TYPEIN/[ADDRESS] (Finished?)

ANSWER
                                                                          12av

Transpose STRING/STRUCTURE (at) ADDRESS (and) ADDRESS CR
                                                                          12aw

Trim Directory (No. versions to keep) TYPEIN/[ADDRESS] CR
(really?) CR
                                                                          12ax

Update File CR
                                                                          12ay

Update File Compact CR
                                                                          12az

Verify File CR
                                                                          12b@

LF   prints next statement
                                                                          12ba

\   backslash--prints current statement
                                                                          12bb

/   slash--prints current context of CM
                                                                          12bc

^   uparrow--prints back statement
                                                                          12bd

.   period--prints current location of CM
                                                                          12be

USEROPTIONS SUBSYSTEM COMMANDS
                                                                          13

Feedback Terse/Verbose CR
                                                                          13a

Feedback Length TYPEIN/[ADDRESS] CR   1 to 50
                                                                          13b

Reset Feedback Length CR   to 50
                                                                          13c

Control (characters for terminal) DEVICES CR (control character)
CONTROLFUNCTIONS (character(s)) TYPEIN/[ADDRESS] (echo as)

TYPEIN/[ADDRESS] CR

DEVICES =
Ti/Nvt/Lineprocessor/Imlac/Execuport/33-tty/35-tty/37-tty

CONTROLFUNCTIONS =
Ca/Cd/Rpt/Insert/Bc/Bw/Bs/Litesc/Ignore/Sc/Sw/Tab

13d

Herald Length TYPEIN/[ADDRESS] CR   0 to 10

13e

Leveladjust On/Off CR for specifying LEVADJ in Base

13f

Prompt Full/Off/Partial CR

13g

Recognition (mode) RECOGNITIONMODE CR

13h

Reset All CR all useroptions back to defaults

13i

Reset Control (characters for terminal) All/DEVICES CR

13j

Reset Herald Length CR   to 4

13k

Reset Recognition (mode) CR   to Terse Terse

13l

Reset Viewspecs CR   to original defaults

13m

Show All CR shows current status of all useroptions;
          you may show individual useroptions by name

13n

Viewspecs Default VIEWSPECS CR redefines the default set

13o

PROGRAMS SUBSYSTEM COMMANDS

14

Load Program TYPEIN/[ADDRESS] CR

14a

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Run Program TYPEIN/[ADDRESS] CR or use Goto command if it runs as
SUBSYSTEM

14b

Show Status (of programs buffer) CR shows loaded programs & size

14c

Delete All (programs in buffer) CR

14d

Delete Last (program in buffer) CR

14e

Set Buffer (size to) TYPEIN/[ADDRESS] CR if default 6 pgs is not
enough

14f

Reset Buffer (size) CR size returns to 6 pages = 3072 words

14g

IN CASE OF TROUBLE

15

If you see "BAD FILE; TYPE CA", specify Help BAD CR (see "HELP").

15a

Anytime you can't tell if anything is happening, type <^t>
and you'll see whether NLS is running or waiting for your input.

15b

To recover from an error condition, or if <^t> isn't answered,
type <^c> (see "SYNTAX CONVENTIONS")

15c

For personal help from an SRI-ARC staff member, do this in Tenex:

15d

@systat CR to find someone to link to

15d1

@link<>USERNAME CR to establish link

15d2

@; TYPEIN to communicate with each other

15d3

@bye CR to break link

15d4

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Or telephone SRI-ARC: (415) 326-6200, ask for ext.3630   15e

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(J23753) 30-OCT-74 14:44;;;;   Title: Author(s): Jeanne M, Beck/JMB;
Distribution: /&DIRT([INFO-ONLY] You are the only recipient, just so
it goes into dirt subcollection and to let you know it's done) ;
Sub-Collections: SRI-ARC DIRT; Clerk: JMB;   Origin: < BECK,
CUECARD,NLS;92, >, 28-OCT-74 17:19 JMB ;;;;####;

(J23754) 9-AUG-74 14:30;;;;   Title: Author(s): Dirk H, Van
Nouhuys/DVN; Distribution: /RJC([INFO-ONLY]) MEH([INFO-ONLY])
JHB([INFO-ONLY]) ; Sub-Collections: SRI-ARC RADC; Clerk; DVN;

Bobbie,
 As perhaps you know by now, I received your informative message
along with everyone else at ARC. Glad to hear directories are doing
fine in Rome. It may interest you to know that 18 people have read
the journal item so far.   1

Comments on Interviewees for Documentation Writer

(J23755) 9-AUG-74 16:03;;;;;   Title: Author(s): James H, Bair/JHB;
Distribution: /DVN([ACTION]) JCN([INFO-ONLY]) JMB([INFO-ONLY]
) KIRK([INFO-ONLY]) , Sub-Collections: SRI-ARC; Clerk; JHB;
Origin: < BAIR, WRITERS.NLS;3, >, 9-AUG-74 15:47 JHB ;;;;;####;

Comments on Interviewees for Documentation Writer

Interviewees and comments, in decending order of preferance   1

Ann Weinberg: 2

   Especially clear person, with excellent credentials for position,
   Interested in doing the job and learning about the technology,
   Alive and energetic, with an excellent command of the language,
   Background in English as well as foreign language can be predicted
   to enhance cognitive abilities, Has worked with and written about
   technological things, Writing test above level of others --
   clear, unverbose, no nonsense, She she did not seem to be overly
   concerned about getting her head someplace else, but rather was
   comfortable with life and able to enjoy the investment of a great
   deal of energy in a job, My first choice without hesitation,   2a

Gary Gorden: 3

   Bright guy with some relevant experience, Seemed able to grasp
   NLS, Interested in programming, had done some, Also interested in
   teaching, wanted very much to work with people and get out in the
   world, He had a particular bent on advancing; much ambition was
   evident to move on to something other than a writer, Not to rule
   that out within a few years, I feel it is imperative to have
   someone who is really into doing the job we are hiring the person
   for, Writing ability appeared competent,   3a

Rick May: 4

   Highly qualified individual with a diverse background and widely
   distributed interests and activities, Primarily an activist in
   the Chicano sector, A great deal of creative writing experience,
   Will continue to work for the PhD to completion in two to 3 years,
   Currently writing a book, interested in consulting or other extra
   employment, Expressed disatisfaction with anticipated salery,
   Has family in addition to other interests, Qualified for a much
   higher position, Little background experience with technology,
   Does have desire to write, but also to do more than that, which
   seems logical considering that the hard thrust of his work for
   years in the PhD program has been to do creative, original
   research,   4a

Sue Toumanoff   5

   Did not display the bright aliveness of the others, was not not a
   spontaneous discussant, Had so little relevant experience that
   she was not even aware of how much there was to learn -- was
   overconfident to the point where it might be a great shock to find
   out that she may not pick up the necessary competance instantly,
   No writting experience or indication of a bent toward writing,

Comments on Interviewees for Documentation Writer

    Writing test marginal. Least amount of effort displayed.   Young,
    not exceptionally mature, and experiencing personal discomfort
    (part of growth, of course). Clearly (to me) the least desirable.   5a

I have interviewed dozens of applicants for myself and others, many
of whom were to work directly for me; AND I have been dead wrong in
my assessments. But it's something we need to do.   6

Possibility of Providing Report Development Support for DoD
Inter-Netting Study Group

(J23756) 9-AUG-74 19:01;;;;   Title: Author(s): Douglas C.
Engelbart/DCE; Distribution: /JCN([ACTION]) SRL([INFO-ONLY])
RLL([INFO-ONLY]) JHB([INFO-ONLY]) DVN([INFO-ONLY]) BC([
INFO-ONLY]) DCR2([INFO-ONLY]) CKM([INFO-ONLY]) ;
Sub-Collections: SRI-ARC; Clerk: DCE;

Possibility of Providing Report Development Support for DoD
Inter-Netting Study Group

Summary background discussion; tentative possibilities

Possibility of Providing Report Development Support for DoD
Inter-Netting Study Group

This memo summarizes the status of an opportunity for ARC to
support, over perhaps a six-week period, the final-report development
and production for a DoD Study Group (topic, "Internetting"). The
possibility was put to me via a phone discussion with Col, Dave
Russell of ARPA on 7 Aug 74, He wanted us to consider providing
support between roughly 19 Aug and 1 Oct, It would involve   1

   1) making space available at SRI Washington -- 3 to 5 offices, a
   "10- to 12-man" conference room, plus an NLS\supported work
   service with up to four terminals   1a

   2) arranging for trained staff to operate a PSO (ARC's term for
   "People Service Operations": generally a specially equipped,
   trained and managed group of clericals) in support of transcribing
   text, updating drafts, printing out drafts, developing format
   conventions and directives, etc,   1b

I told him that I was definitely interested; I'd work out what I
could before Jim Norton returns, and between us we'd establish a
position and be back to him early next week -- since the execution of
any such service agreement would fall under Jim's domain, he must be
full party to any commitment,   2

   Russell said that some money could be made available for direct
   costs; he doubted if any ARPA clerical staff could be spared; he
   thought that it would be fine to make use of Susan Lee (that
   ARPA's interests would be so well served in this venture that they
   could give her up),   2a

Background: 3

   A fair-sized committee drawn from a number of DoD agencies, have
   banded together for a "summer study group" on the topic of
   networking, communications, etc, The Study Group has a 10- to
   12-man "Executive Committee", of which Col, Russell is a member,   3a

   The Study Group is divided into a number of task sub-groups, and
   each is scheduled to have a draft of its section of the final
   report ready by 9 Sept (?), The Executive Committee will then
   begin a very intensive period of study, discussion, redrafting,
   etc, The final report is due 1 Oct -- Russell pictures that it
   may be between 150 and 250 pages,   3b

      Apparently some draft material is already becoming available;
      Russell thinks that if this approach were to be used, it would
      be wise to try to start transcribing material almost right
      away,   3b1

I think he mentioned 19 Aug as when he'd suggest having one or
two transcription clerks begin work, He figures the really
intense work would begin on Sept 9 (when they'd need the
largest PSO support),   3b2

Besides the PSO support, he's looking for a work center where the
members can conregate to do their collaborative work -- offices in
which to study, or for small groups to work together, and a
conference room for larger groups, He wasn't sure how many people
might be involved beside the Executive Committee (from the various
numbers -- from 10 to 15 -- that he mentioned),   3c

ARPA is represented in the Study Group's working membership by
Keith Uncapher and Bert Sutherland, as consultants to ARPA,   3d

The "Executive Director" of the whole study Group venture is Dr,
Robert Lyons (of DCA, I gathered??); Russell says that Lyons would
be the one to direct the operations that ARC's PSO might support,
Russell has arranged a network mailbox for Lyons (Lyons@ISI),   3e

Note that Lyons' deputy director in this Group is Capt,
Jefferson (Navy), the DCA man whose memo was brought to our
attention by Phil Whalen, and with whom Phil and Dave Myers
have been in continuing contact,   3e1

Members from the Study Group were given a demonstration this
Thurs and Fri, at SRI-DC, of Network capabilities, Col Russell
presided; he'd arranged for Bert Sutherland to describe basic Net
capabilies, RSEXEC, etc,, for the SRI DEIS Project people to
descrie their use of Multics JANUS system, and for ARC to
demonstrate NLS, Robert Lieberman is preparing a Journal report
of the event,   3f

Progress in assessing the situation for ARC: 4

Space at SRI-DC: Arlie Capps volunteered his conference room --
he considers it a legitimate use of ARPA-supported facilities; Joe
Rubenson has agreed to that, and also Joe has gotten Rick Witwer's
o,k, to use four adjacent offices through September (Rick's NIOSH
Project has heavy space requirements; it is lucky that he can
spare that much space until then), Rubenson, Capps, and Witwer are
all very supportive of the venture (incidentally, so is Bart Cox),   4a

Basic organizational setup: 4b

Top-level decision making and administration would come from
Dr, Lyons,   4b1

Possibility of Providing Report Development Support for DoD
Inter-Netting Study Group

For PSO part of it, would need three roles: 4b2

    Work-flow administrator: keeps track of status of work --
in progress, backlogged, scheduled or anticipated -- as well
as status of PSO work distribution. Sees that conventions
are followed, or changed. Gets appropriate help in case of
trouble,   4b2a

    NLS-technique supervisor: sees that the appropriate level
of training is used for each type of operation; trains when
necessary; trouble-shooter, the one who generally would call
for help when having system troubles. (Available all of the
time, but perhaps not full-time involvement)   4b2b

    Operations manager: responsibe to Dr. Lyons for over-all
service of this PSO service; basic arrangements with SRI-DC,
with ARPA-Utility resource manager, etc. (Not full time role
-- probably JCN)   4b2c

Document-development working plan should be developed, for
such as the formatting conventions, controlling the sucessive
drafts, priorities and administration of work flow, etc. This
would be worked out between (at least) the above three
role-servers and Dr. Lyons (or deputy).   4b3

PSO Staffing situation: 4c

    Arlie volunteered Rita Jordan for up to 3/4 of her time.
Susan Lee thinks it is an interesting venture, and would be
happy to participate to any degree that is worked out.   4c1

Connie McLindon has some reservations about Susan's
participation, in view of the slowdown that this could cause in
the ARPA internal progress on NLS training. She was to have
had a talk with Russell this (Friday) afternoon,   4c2

    (Associated question: does Susan's service there represent
all of the Utility subscription paid up by ARPA, or just the
portion (4 slots?) applied to use within ARPA's office
staff? This would make some difference in Connie's knowing
what to plan for,)   4c2a

I had asked Dave Russell if any ARPA people could be spared to
help as PSO staff. He said that the only secretary that knew
NLS was his (Hilda), and she wasn't available,   4c3

    I talked about ARPA-typist capabilities to Susan. It seems to
me that, if there are some typists who are to be trained

seriously in the near future, then it is likely that their
participation in a tightly coordinated venture such as this,
closely supervised by Susan, would provide a higher-efficiency
learning experience than any other way, If some of them
rotated days between their regular jobs and this PSO service,
it could still be very valuable, I'd like to see this
possibility explored seriously if we go ahead,   4c4

   It would be excellent training for the clerks,   4c4a

   It would provide a nucleus for an "ARPA PSO,"   4c4b

   Also, note that Col, Russell remarked that if this venture
   were successful, he would plan to stage a number of repeated
   ventures of similar kind in activities that ARPA is engaged
   in, especially in collaboration with other DoD gencies, to
   help give more exposure of ARPA-developed apabilities, In
   that case, it would be better for ARPA to have its own
   trained PSO ready,   4c4c

Susan feels that if she started soon with brand new candidates
(that are good typists), she could have them working as
effective PSO workers in time to do what the bulk of the work
would likely be -- assuming that there is at least one fully
trained person on duty,   4c5

   She mentioned that Bill Carlson wants his secretary to be
   trained in NLS (a candidate here?),   4c5a

   Some possibility of recruiting from other DoD agencies or
   contractors that also are interested in getting staff trained
   in NLS,   4c6

Alternative location to SRI-DC: Both Dean and Susan suggested
that the building in which ARPA is located might be a better
candidate than at SRI-DC, Easier to get additional high-speed
connection to a TIP if needed; presence of the XGP for draft hard
copy output; easier to recruit/rotate ARPA typists into the PSO;
easier for Susan to supervise the PSO's NLS usage while still
serving ARPA's other training interests,   4d

Equipment: 4e

   I'd guess that one DNLS terminal, and three or four TIs, would
   provide enough access, Russell mentioned having several DNLS
   terminals, but if (as at SRI-DC) we couldn't procure the
   high-speed lines to a TIP for more than one, I'm sure that
   productivity would still be notable,   4e1

If we use SRI-DC, I'd suggest getting a high-speed,
good-quality printer that can be driven out of the printer port
of the Line Processor. Charles says that it can serve at up to
1200 baud (120 Ch/sec), which should be fast enough to seem
quite dramatic for fresh-draft outputting.   4e2

Likely want a spare Line Processor around. Martin says that
it is realtively easy to steer a usr through a debugging
process over the phone, but might be handy if had an electronic
technician that was on call, with whom Martin or Rod could
phone-talk about any bad troubles.   4e3

Miscellaneous: 5

Connie McLindon will be gone all next week.   5a

Russell might be gone next week, also (Capps said that Russell
mentioned such).   5b

I sent the following SNDMSG to Russell: 5c

H09-0912 ENGELBART: To Russell, re DoD I-N Study Group Report
Production
    Distribution: RUSSELL AT ISI, engelbart
    Rcvd: 9-AUG-74 09:12:59   5c1

    Dave: Capps mentioned that you were going to be gone next
    week. We'll need to move quickly on the support
    arrngements; will you be reachable?   5c1a

    At SRI-DC, only one high-speed line in now to support
    Line-Processor DNLS; I'd reckon tho that one DNLS terminal,
    plus as many acousticoupler, 30cps TNLS terminals (e.g.
    TI's), plus one good-print printer would make a very
    serviceable configuration. Can't get any more high speed
    lines out of the phone company in time -- so the above
    approach would likely be the best we could do at SRI-DC. We
    can support a printer up to 120 ch/sec out of the Line
    Processor, and can probably borrow/steal one y Sept, to
    provide relatively fast printout of new draft material in
    font better than what TI produces.   5c1b

    Most flexible local arrangements could be made at the
    building where you live -- setting up high-speed connections
    for more than one DNLS terminal, use of XGP for draft
    printout, etc.   5c1c

I'll get basic arrangement data together based on SRI-DC
possibility, Any comments?   5c1d

Question of support funding for incremental costs here:
possible terminal rentals, very likely travel and living
costs for support staff, etc, Will we negotiate this
through you, or through Dr, Lyons? If you'll indeed be out
of touch, we'd want to have an administrative contact,   5c1e

It is an appealing challenge, I hope it'll come together,
Regards, Doug   5c1f

And this one to Dr, Lyons: 5d

  H09-1652 ENGELBART: Contact re NLS and INSG report production
      Distribution: LYONS AT ISI, russell at ISI, norton,
  engelbart
      Rcvd: 9-AUG-74 16:52:17   5d1

   Dr, Lyons: Col, Russell broached with me the possibility
   of using our NLS system to support the report development
   and production process for your DoD Internetting Study
   Group, He said that if such arrangements were set up, you
   would be the chief executive of this process -- and he gave
   your Net-mail address to me,   5d1a

   I understand that you saw the ARPANET demo at SRI-DC
   Thursday morning, and that this topic was discussed briefly
   between you and Russell then,   5d1b

   This message is to establish communications between you and
   me about this topic, I understand generally (from Russell's
   description of the timetable and report-generation approach)
   what is needed, and would very much like to do it,   5d1c

   I told Russell that we would produce feasibility assessment
   and cost estimates by early next week, He said that some
   funds could be made available, but it wasn't clear whether
   they'd come from ARPA or Study-Group resources,   5d1d

   Also, Russell is rumored to be gone next week; if so, and
   if he
   doesn't provide any hints to me as to his intentions, would
   it be
   appropriate for us at ARC to begin discussing this matter
   directly with
   you, to expedite things?   5d1e

Best regards,   Doug Engelbart   (Engelbart@ARC)   5d1f

How to initiate my Journal mail file again,,

(J23757) 9-AUG-74 23:37;;;;; Title: Author(s): Geoffrey S,
Goodfellow/GSG; Distribution; /JAKE([ACTION]) ; Sub-Collections:
NIC; Clerk: GSG;

How to initiate my Journal mail file again,,

Jake--- How can I re initiate my file so that eveytime I output my
Journal Mail that I don't get all the other junk that has been in
there for a while, or how can i output only the changed, or new
things, like what the tenex "readmail" does, or the exec MESSAGE
command, ---Geoff   1

Ampersand should be a valid character in a statement name.

(J23758) 11-AUG-74 00:58;;;; Title: Author(s): Kirk E, Kelley/KIRK;
Distribution: /FDBK([ACTION]) ; Sub-Collections: SRI-ARC; Clerk:
KIRK;

Ampersand should be a valid character in a statement name,

Therefore, some other character should be used to specify an external
name. It is of utmost importance that this decision be made as soon
as possible before ampersand becomes tradition and impossible to
remove.   1

how to getnls to print only the changed journal mail insteed of
everything everytime you print your mail

(J23759)   12=AUG=74 05:47;;;;   Title: Author(s): Geoffrey S,
Goodfellow/GSG; Distribution: /JCP([ACTION]) ; Sub=Collections:
NIC; Clerk; GSG;

how to getnls to print only the changed journal mail insteed of
everything everytime you print your mail

how to getnls to print only the changed journal mail insteed of
everything everytime you print your mail

jeff-- how can i get nls to only print my new mail that i recieve
insteed of a book everytime i get new mail? or how (what command(s)
can i give it so that i will wipe everything that is currently there,
and reinitilize my journal mail file again, as everytime i print out
a new message, i get a whole buncha back stuff too, and have
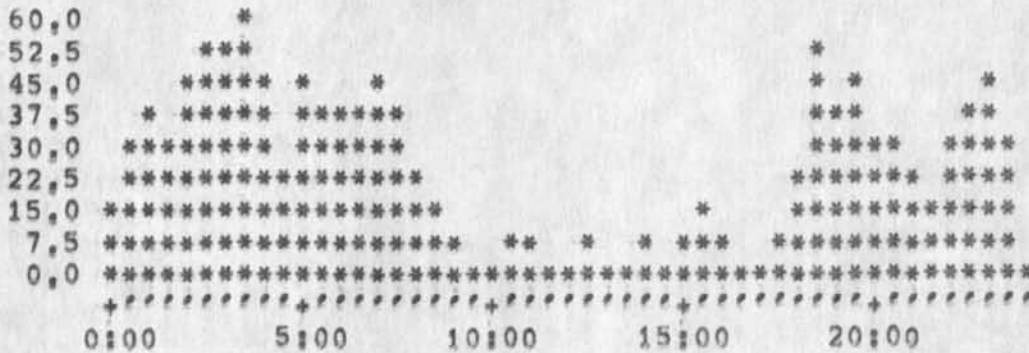alreeady seen it,   would be nice if it acted like readmail,
--[geoff]   1

Superwatch Average Graphs for Week of 7/21/74

(J23760) 12-AUG-74 07:42;;;;   Title: Author(s): Susan R. Lee/SRL;
Distribution: /RWW([INFO-ONLY]) JCN([INFO-ONLY]) DCE([
INFO-ONLY]) JCP([INFO-ONLY]) DVN([INFO-ONLY]) JAKE([
INFO-ONLY]) DLS([INFO-ONLY]) DSM([INFO-ONLY]) CSM([INFO-ONLY
]) ; Sub-Collections: SRI-ARC; Clerk: SRL;   Origin: < LEE,
WEEK7/21GRAPHS.NLS;3, >, 12-AUG-74 07:29 SRL ;;;;####;

Superwatch Average Graphs for Week of 7/21/74

TIME PLOT OF AVERAGE IDLE TIME FOR WEEK OF 7/21/74
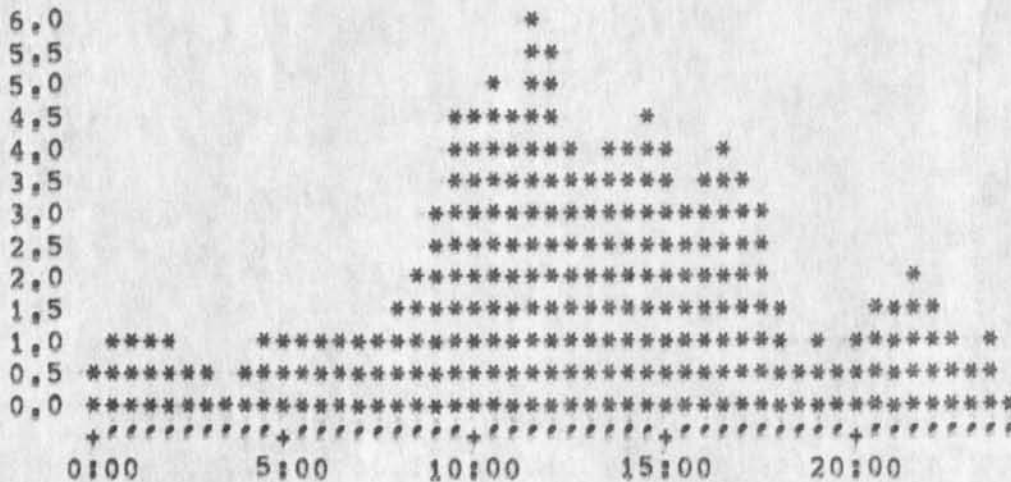x axis labeled in units of hr:min, xunit = 30 minutes   1

```
   60.0          *
   52.5         ***                                          *
   45.0        ***** *   *                                * *        *
   37.5      * ***** ******                                ***      **
   30.0      ******** ******                              *****    ****
   22.5      *****************                           ******* ****
   15.0      ******************                  *       *************
    7.5      ******************* **   *   * ***  *************
    0.0      ***********************************************************
             +////////+////////+////////+////////+////////+////////
            0:00      5:00     10:00     15:00     20:00                     1a
```

TIME PLOT OF AVERAGE NUMBER OF GO JOBS FOR WEEK OF 7/21/74
x axis labeled in units of hr:min, xunit = 30 minutes   2

```
    6.0                          *
    5.5                          **
    5.0                         *  **
    4.5                      ******      *
    4.0                      ******* ****  *
    3.5                      ************ ***
    3.0                    *******************
    2.5                    *******************
    2.0                    *******************        *
    1.5                   ********************     ****
    1.0    ****      ****************************** * ****** *
    0.5    *******  ******************************************
    0.0    *****************************************************
           +////////+////////+////////+////////+////////+////////
          0:00      5:00     10:00     15:00     20:00                       2a
```
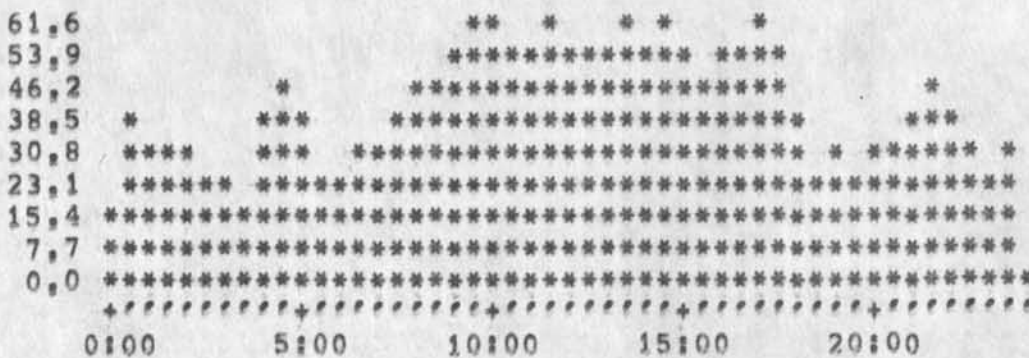
TIME PLOT OF AVERAGE PER CENT OF CPU TIME CHARGED TO USER ACCOUNTS
FOR WEEK OF 7/21/74
x axis labeled in units of hr:min, xunit = 30 minutes   3

```
   61.6                       ** * ** *    *
   53.9                    ************** ****
   46.2            *      *******************        *
   38.5    *      ***     ******************** *    ***
   30.8  ****     ***   ********************** * ****** *
   23.1  ******  *****************************************
   15.4  ******************************************************
    7.7  ********************************************************
    0.0  *********************************************************
         +////////+////////+////////+////////+////////+////////
        0:00      5:00     10:00     15:00     20:00                          3a
```
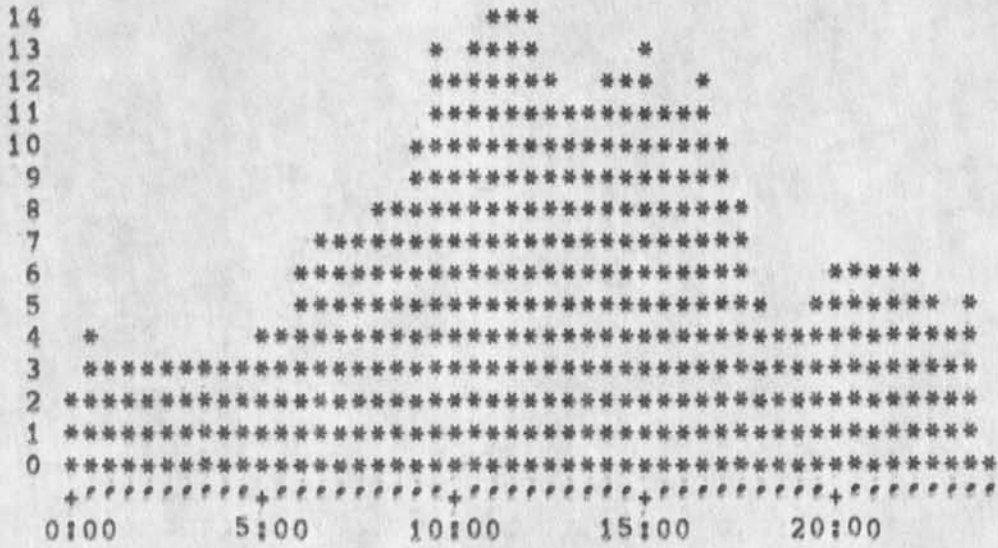
1

Superwatch Average Graphs for Week of 7/21/74

TIME PLOT OF AVERAGE NUMBER OF USERS FOR WEEK OF 7/21/74
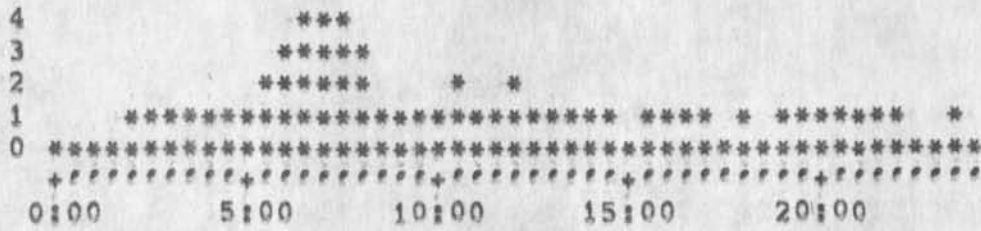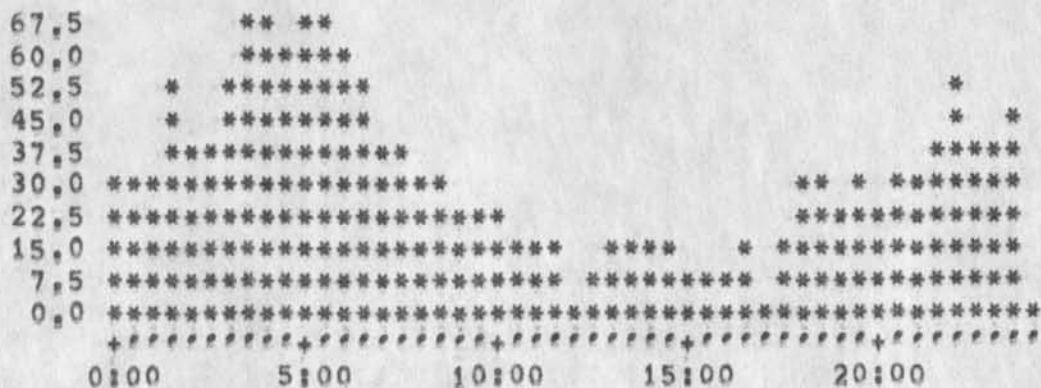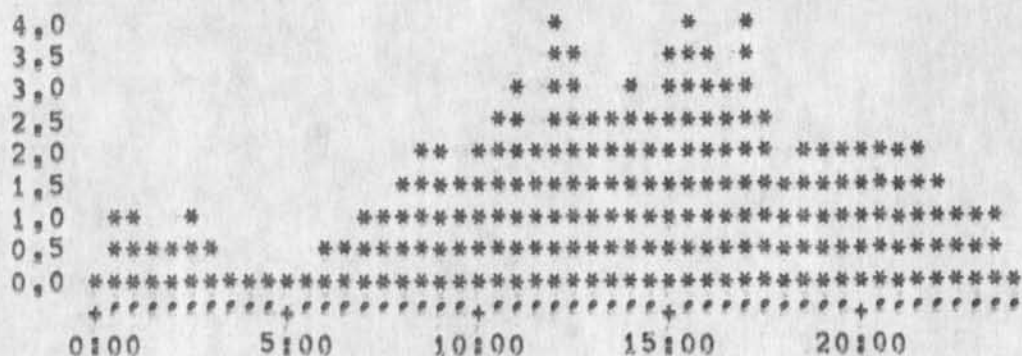x axis labeled in units of hr:min, xunit = 30 minutes   4

```
    14                        ***
    13                      * ****          *
    12                      *******   *** *
    11                      ***************
    10                     ******************
     9                     ******************
     8                    ***********************
     7                   **************************
     6                 ***************************    *****
     5                 ****************************  ******* *
     4     *         **********************************************
     3     ********************************************************
     2     ********************************************************
     1     ********************************************************
     0     *********************************************************
          +''''''''+''''''''+''''''''+''''''''+'''''''
        0:00      5:00     10:00     15:00     20:00                         4a
```
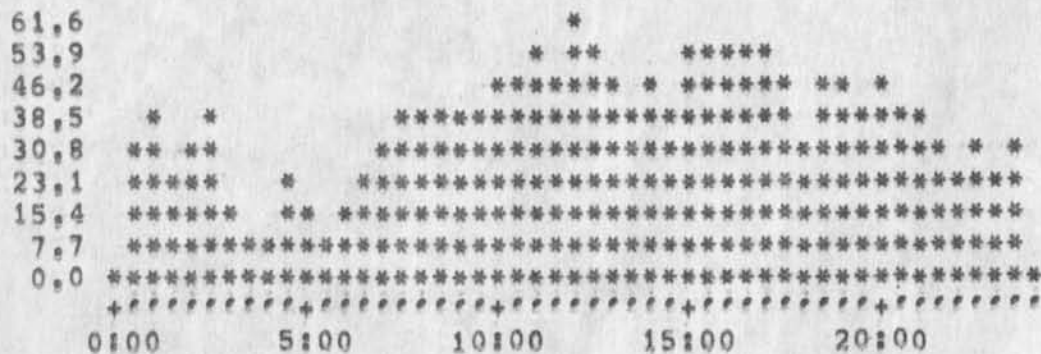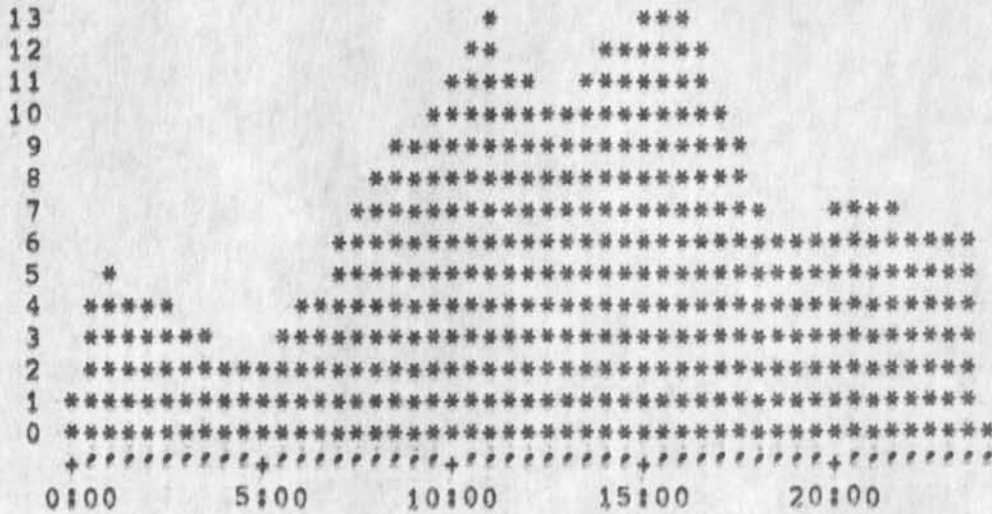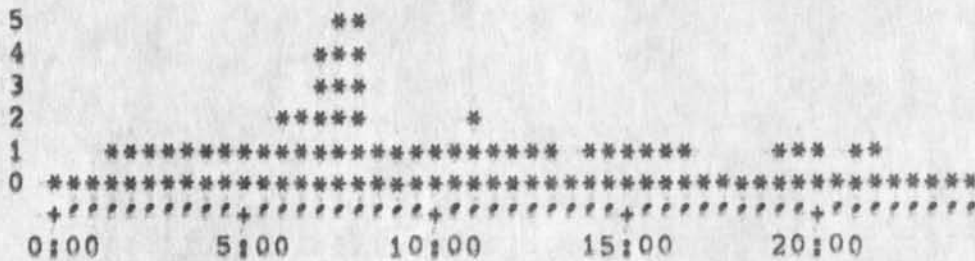
TIME PLOT OF AVERAGE NUMBER OF NETWORK USERS FOR WEEK OF 7/21/74
x axis labeled in units of hr:min, xunit = 30 minutes   5

```
     4                  ***
     3                  *****
     2                  ******     * *
     1     ***************************** **** * ******* *
     0     *********************************************************
          +''''''''+''''''''+''''''''+''''''''+'''''''
        0:00      5:00     10:00     15:00     20:00                         5a
```

Superwatch Average Graphs for Week of 7/28/74

(J23761) 12-AUG-74 07:45;;;;   Title: Author(s): Susan R. Lee/SRL;
Distribution: /JCN([INFO-ONLY]) RWW([INFO-ONLY]) DCE([
INFO-ONLY]) JCP([INFO-ONLY]) DVN([INFO-ONLY]) JAKE([
INFO-ONLY]) DLS([INFO-ONLY]) DSM([INFO-ONLY]) CSM([INFO-ONLY
]) ; Sub-Collections: SRI-ARC; Clerk: SRL;   Origin: < LEE,
WEEK7/28GRAPHS,NLS;2, >, 12-AUG-74 07:36 SRL ;;;;;####;

Superwatch Average Graphs for Week of 7/28/74

TIME PLOT OF AVERAGE IDLE TIME FOR WEEK OF 7/28/74
x axis labeled in units of hr:min, xunit = 30 minutes   1

```
    67.5            ** **
    60.0            ******
    52.5        *  ********                                      *
    45.0        *  ********                                    *   *
    37.5        **************                                 *****
    30.0    *******************                          ** *  *******
    22.5    ***********************                         *************
    15.0    ****************************  ****     *  *************
     7.5    ****************************  *********  *************
     0.0    **********************************************************
         +////////+////////+////////+////////+////////
        0:00      5:00     10:00     15:00     20:00                          1a
```

TIME PLOT OF AVERAGE NUMBER OF GO JOBS FOR WEEK OF 7/28/74
x axis labeled in units of hr:min, xunit = 30 minutes   2

```
     4.0                          *       * *
     3.5                         **     *** *
     3.0                      * **  * *****
     2.5                      ** **************
     2.0                  **  ****************** *******
     1.5                  ****************************
     1.0    ** *          *********************************
     0.5    ******        *********************************
     0.0    **********************************************************
         +////////+////////+////////+////////+////////
        0:00      5:00     10:00     15:00     20:00                          2a
```

TIME PLOT OF AVERAGE PER CENT OF CPU TIME CHARGED TO USER ACCOUNTS
FOR WEEK OF 7/28/74
x axis labeled in units of hr:min, xunit = 30 minutes   3

```
    61.6                          *
    53.9                      * **      *****
    46.2                    *******  * ****** ** *
    38.5     *   *         ************************ ******
    30.8    ** **          ************************************ * *
    23.1    *****     *    ***********************************
    15.4    *****     ** ***********************************
     7.7    ********************************************************
     0.0    **********************************************************
         +////////+////////+////////+////////+////////
        0:00      5:00     10:00     15:00     20:00                          3a
```

TIME PLOT OF AVERAGE NUMBER OF USERS FOR WEEK OF 7/28/74
x axis labeled in units of hr:min, xunit = 30 minutes   4

1

Superwatch Average Graphs for Week of 7/28/74

```
13                              *          ***
12                              **        ******
11                            *****      *******
10                         *******************
 9                        **********************
 8                       **********************
 7                     ***********************    ****
 6                   ****************************************
 5       *           ***************************************
 4     *****         *****************************************
 3   *********      ******************************************
 2   ********************************************************
 1   *********************************************************
 0   *********************************************************
    +,,,,,,,,,+,,,,,,,,,+,,,,,,,,,+,,,,,,,,,+,,,,,,,,,+,,,,,,,,
    0:00      5:00      10:00     15:00     20:00                            4a
```

TIME PLOT OF AVERAGE NUMBER OF NETWORK USERS FOR WEEK OF 7/28/74
x axis labeled in units of hr:min,   xunit = 30 minutes   5

```
 5              **
 4              ***
 3              ***
 2            *****       *
 1   *************************** ******      *** **
 0   *********************************************************
    +,,,,,,,,,+,,,,,,,,,+,,,,,,,,,+,,,,,,,,,+,,,,,,,,,+,,,,,,,,
    0:00      5:00      10:00     15:00     20:00                            5a
```

TIME PLOT OF AVERAGE PER CENT OF SYSTEM USED IN OLDDNLS FOR WEEK OF
7/28/74
x axis labeled in units of hr:min,   xunit = 30 minutes   6

```
 2.0                                      *
 0.0 *********************************************************
    +,,,,,,,,,+,,,,,,,,,+,,,,,,,,,+,,,,,,,,,+,,,,,,,,,+,,,,,,,,
    0:00      5:00      10:00     15:00     20:00                            6a
```

Visit Log, 6 Aug 74, USM Corp, Subsidiary -- Spiras Systems

(J23762) 12-AUG-74 08:49;;;;   Title: Author(s): James H, Bair/JHB;
Distribution: /PROF([INFO-ONLY]) ; Sub-Collections: SRI-ARC PROF;
Clerk: JHB;

Visit Log, 6 Aug 74, USM Corp, Subsidiary -- Spiras Systems   1

  Visitors: 1a

    Carl Peterson, President of Spiras Systems   1a1

      156 6th St,, Cambridge , Mass,   02142   (Small Company = 6
      people), Tele, (617) 868-8380   1a1a

    Clay Brown, Manager of Engineering   1a2

    Bill Horne, Consultant   1a3

      95 Monroe Rd, Quincy, Mass,   02169   1a3a

      Specialist in text editing, display technology, and related
      fields,   1a3b

  Reason for visit: 1b

    Visiting with Stu Hausen, SRI, Ecomonics Division, "Electronics
    and Automation Industries", (ext,4058), They were here to
    prepare a follow-on proposal to extend the application of a
    display system they had developed that was used primarily for
    library information storoge and retrieval, NLS was viewed as
    an example of the state-of-the-art in the application/usage of
    display technology; Bill Horne had talked with Doug (visitlog =
    ?) and seen the system on an earlier occasion and was quite
    impressed,   1b1

  Events during visit: 1c

    JHB gave them a 15" demo, They were able to get some idea of
    the way in which textual information can be manipulated,   1c1

Ratner: Reminder of ARC's interest in SRI Transportation Program

(J23763) 12-AUG-74 09:02;;;; Title: Author(s): Douglas C,
Engelbart/DCE; Distribution: /RSR([ACTION]) JCN([INFO-ONLY]) BC(
[INFO-ONLY]) TLH([INFO-ONLY]) RWW([INFO-ONLY]) ;
Sub-Collections: SRI-ARC; Clerk: DCE;

Bob: A short answer to your 6 AUg memo on "Institute Transporation
Program" (XDOC -- 23575,),   I'd like to remind you that we already
have contacts going in DOT (e.g. Hoshevsky), and that our general
plans for nucleating special-interest communities seem very relevant
to a number of the discipline- or mission-oriented distributed
communities associated with transportation (especially, Hoshevsky's
"TRISNET" proposal -- "An evolving Transportation Research
Inforamtion Services NETwk", XDOC -- 23327,),   We very much think it
relevant that SRI Programs consider sponsoring the active nucleation
of collaborative communities within their respective domains,   1

The Primer Needs Decisions abot Recognition and Prompting

(J23765) 12-AUG-74 09:42;;;;   Title: Author(s): Dirk H. Van
Nouhuys/DVN; Distribution: /JCN([ACTION]) JHB([ACTION]) DSM([
ACTION]) CHI([ACTION]) DIRT([INFO-ONLY]) ; Sub-Collections:
DPCS DIRT SRI-ARC; Clerk: DVN;

The Primer Needs Decisions abot Recognition and Prompting

Just a reminder that the Primer cannot go to the printer until all
decisions about what recognition and prompting (gjournal,23692,047)
will come up at Office-1 are finally concluded, Because of changes
in typeface etc, the Primer has a long and difficult printing
schedule which we have now fallen behind,
(gjournal,23704,2;;["Week"]/["Primer"]/["PRIMER"];m1)   1

help subsystem suggestion: list the subsystem which the command is
in.

(J23766) 12-AUG-74 10:32;;;; Title: Author(s): Robert N.
Lieberman/RLL; Distribution: /FDBK([ACTION]) ; Sub-Collections:
SRI-ARC; Clerk: RLL;

help subsystem suggestion: list the subsystem which the command is in,

In the help subsystem: suggestion you include he relevant subsystem
name whenever referring to a command, One could get to a command
(such as show status) and not know what the subsystem is, In the
case of the editor commands I think they too should be clearly marked
as beng in the editor(this is a big job and would be satisfied if no
subsystem was mentioned it was assumed t be an edito command,)   1

suggestion on the show commands: always have a 'show' for a 'set'

(J23767) 12-AUG-74 10:48;;;;   Title: Author(s): Robert N,
Lieberman/RLL; Distribution: /FDBK([ACTION]) ; Sub-Collections:
SRI-ARC; Clerk: RLL;

suggestion on the show commands: always have a 'show' for a 'set'

I would strongly urged for consistency and simplicity to have for
each 'set' command a corresonding 'show' command. For example: set
buffer size/show buffer size, set private/show privacy setlink
default/show link default, etc. True we hae show status but that does
not sail as nicely, Even a show character size would be nice,   1

bug with process command   using set buffer size,

(J23768)   12-AUG-74 10:56;;;;   Title: Author(s): Robert N,
Lieberman/RLL; Distribution: /FDBK([ACTION]) ; Sub-Collections:
SRI-ARC; Clerk: RLL;

bug with process command using set buffer size,

The set buffer size command to 8 using a process command command
yields a 'invalid buffer size' message, Tried several times and
rewrote the command several times, it works fine if don directly,
(yes, i did remember the spaces between command words, spelled he
command out correctly and gave a <ca> at the end,   1

disregard previous messae on process command bug, Real problem
discovered,

(J23769) 12-AUG-74 11:10;;;;   Title: Author(s): Robert N,
Lieberman/RLL; Distribution: /FDBK([ACTION]) ; Sub-Collections:
SRI-ARC; Clerk: RLL;

disregard previous messae on process command bug, Real problem
discovered,

With regard to previous fdbK message on lprocess command bug/set
buffe size: note problem has be cleared, Instead warn people that no
space should follow a literal, The real bug i that the space was
taken as a nuumber,It worked finefor 6<space> (took it as 44) but
failed on 8<space>,   1

What Happens When the Split Screen is too Narrow for the Statement
Numbers

(J23770)   12-AUG-74 12:09;;;;   Title: Author(s): Dirk H. Van
Nouhuys/DVN; Distribution: /NEWNLS([ACTION]) ; Sub-Collections:
SRI-ARC NEWNLS; Clerk: DVN;

What Happens When the Split Screen is too Narrow for the Statement Numbers

I split the screen in regular NLS vertically, It happened the file on the left was deeply indented and had statement numbers on, They were so long and had so little space left there was no room for the whole number in some cases, The message "NLS Display Error" flashed by, Undaunted, I did some jumping around in the other file, Then I was through with the deeply indented file and tried to move the boundry off the screen to the left, It poped me into exec, printed out a series of "NLS Display Error" and then "Pushdown Overflow at 30443",

1

Visit notice: Millard and Ho of Bell Canada, 13 Aug 74

(J23771) 12-AUG-74 14:08;;;;   Title: Author(s): Douglas C.
Engelbart/DCE; Distribution: /JHB([ACTION]) JCN([INFO-ONLY])
RLL([INFO-ONLY]) ; Sub-Collections: SRI-ARC; Clerk: DCE;

Visit notice: Millard and Ho of Bell Canada, 13 Aug 74

JHB, please confirm with me

Visit notice: Millard and Ho of Bell Canada, 13 Aug 74

Gordon Millard, Bell Canada, called last week to set this meeting.
He is interested in teleconferencing, will be accompanied by Ben Ho.
They aren't located at Montreal (Ottowa, I believe). They know
Atkinson, Day and group, but weren't aware in detail of what this
group was doing with our Utility service. I suggested that
communiating with Atkinon's group would help quite a bit in preparing
for visting us. They are slated to arrive first thing in the morning
-- like 0830. Asking Jim Bair to be chief host (JHB, please confirm
with me)   1

termnals at home

(J23773) 12-AUG-74 16:04;;;; Title: Author(s): Sandy L, Johnson/SLJ;
Distribution: /SRI-ARC([ACTION]) ; Sub-Collections: SRI-ARC; Clerk:
SLJ;

termnals at home

hello, it's me again, I need to find some terminals, in particular,
serial numbers 2345,1631,2575,2580,10747,12696,and 12735, I think
these are in the near vicinity, Try looking under kitchen sinks, out
in the garden, and out there where the pg&e man reads the meter, if
you could (maybe not even in the subjunctive) help me out and see if
any of these numbers correspond to you or yours, you will be eligible
for an all expense paid trip to campbell, hurry, hurry, hurry, she
croaked, you too can be a red hot, this is the lone chrome nostril
signing off, radio station KARM, 880 on your fm dial, 100,000 watts
of clear channel pulchritude,   1

Visit Log: 6 Aug 74, Walter Traub, IBM DPD, John Bult and Carlene
Gerken, DPD Palo ALto

(J23785) 13-AUG-74 13:53;;;; Title: Author(s): Douglas C,
Engelbart/DCE; Distribution: /JCN([INFO-ONLY]) JHB([INFO-ONLY])
RLL([INFO-ONLY]) RWW([INFO-ONLY]) CHI([INFO-ONLY]) EKM([
INFO-ONLY]) DSM([INFO-ONLY]) ; Sub-Collections: SRI-ARC; Clerk:
DCE;

Visit Log: 6 Aug 74, Walter Traub, IBM DPD, John Bult and Carlene
Gerken, DPD Palo ALto

Walter Traub
Industry Development Specialist
Cross Industry Development, Department 797
IBM Corporation
1133 Weschester Ave,
White Plains, N.Y,   10604
   (914) 696-3628   1

John Bult
Project Manager
Text Processing and Retrieval, Department 803
IBM Corporation
1501 California Ave Ave,
palo Alto, Calif,
   (415) 493-3000, ext 1795   2

Carlene Gerken
Associate Industry Developmen Specialist
Text Processing and Retrieval, Department 803
IBM Corporation
1501 California Ave Ave,
Palo Alto, Calif,
   (415) 493-3000   3

They all seem to be involved in IBM activity on "word processing," or
its successor movemnt labeled as "organization support,"   Traub gave
a group of about seven of us (DCE, RWW, CHI, EJM, JHB, DSM, ...)
about half an hour general discussion on IBM's approach and status,
Apparently Traub has visted us two or three times before.   4

I spent about 90 minutes at DNLS console with them -- simultanously
giving basic introduction to our user interface and the basic tools,
and probing their philosophic approach, I came on pretty hard about
the need for experiencing doing one's work this way as a necessary
ingredient to doing sensible system design or product planning, and
that we weren't particularly interested in continuing endless
show-and-tell sessions with IBMers if we don't begin to get a feeling
that they are seriously going after providing and getting real
experience with advanced systems, From their reactions to features
that have been in NLS since 1965, it is apparent that the latter
condition doesn't exist now,   5

Traub seemed to have the strongest background, and to be expressing
an appreciation for the larger scope of knowledge-work application
that is there to be pursued; he seemed to take my comments in a
positive sense, I more or less challenged him to try to convince me
that IBM could approach their system development and product planning
in a better way than by buttressing internal work with the buying

Visit Log: 6 Aug 74, Walter Traub, IBM DPD, John Bult and Carlene
Gerken, DPD Palo ALto

Utility slots and seriously stacking up NLS against proposed or
prototype systems in their labs (assuming that some IBMers really
work with the Utility service, become experts, carry on active
dialogue on technique, value, etc, with other architects),   6

DDSI Throws in the Towel on 48 X Reduction Fiche

(J23786)   13-AUG-74 13:58;;;;   Title: Author(s): Dirk H. Van
Nouhuys/DVN; Distribution: /RWW([INFO-ONLY]) DCE([INFO-ONLY])
EKM([INFO-ONLY]) NDM([INFO-ONLY]) JCN([INFO-ONLY]) KIRK([
INFO-ONLY]) ; Sub-Collections: DPCS SRI-ARC; Clerk: DVN;

DDSI Throws in the Towel on 48 X Reduction Fiche

Bill Phillips, our new salesman at DDSI just called and said they
would not attempt to produce fiche at 48x reduction with any font, I
told him not to run the files discssed in (22134,2), As far as I can
see, this puts us out of the NSW publication business, No word of
this has passed to Carlson, but it should soon,   1

Suggestion: Some DNLS feedback messages should stay up

(J23787) 13-AUG-74 14:05;;;;   Title: Author(s): Douglas C.
Engelbart/DCE; Distribution: /FDBK([ACTION]) JCN([INFO-ONLY])
CHI([INFO-ONLY]) JDH([INFO-ONLY]) JHB([INFO-ONLY]) RLL([
INFO-ONLY]) DVN([INFO-ONLY]) SRL([INFO-ONLY]) ;
Sub-Collections: SRI-ARC; Clerk: DCE;

Suggestion: Some DNLS feedback messages should stay up

I had bad problem: submitted a Journal entry using Process-Form
statement; usually takes fair time and I turn away to do other
things. This one occassion an ident was unaccepable and the Journal
system rejected the item, but the feedback message being transitory
didn't come to my attention. I could have seen it by hitting ^C, but
didn't think of it. I apparently did this twice within an hour --
sending a number of messages and Journal items and I thought that I
had just gotten mixed up about what I had sent.   1

I don't see that we would lose much if the "completed" and e.g. the
"Illegal ident(s) [mail not sent]: EJM" messages were "permanent",
i.e. set up in the comment field for the user to bump off (e.g. by
hitting '; CR CR CA). The same sort of situation exists for doing a
File Verify -- I'd like a positive statement of the results that
stays there until I remove it.   2

1

Dialog on 48x Microfichefor NSW, Sending COM Files to ISI, User's
Glossary Trial, Final Report Trial,

(J23788)   13-AUG-74 14:11;;;;   Title: Author(s): Dirk H. Van Nouhuys,
N. Dean Meyer, Elizabeth K. Michael/DVN NDM EKM; Distribution: /NDM([
INFO-ONLY]) KIRK([INFO-ONLY]) DPCS([INFO-ONLY]) ;
Sub-Collections: DPCS SRI-ARC; Clerk: DVN;   Origin: <
VANNOUHUYS, MYLIN,NLS;82, >, 13-AUG-74 13:55 DVN ;;;; 22128####;

Dialog on 48x Microfichefor NSW, Sending COM Files to ISI, User's
Glossary Trial, Final Report Trial.

Dialog about the possibility of DDSI making Fiche for te NSW: 1

  On August 7th Dean Meyer sent a journal item (gjournal,23742,)
  which included: 1a

    I met with Bill Carlson this morning (7-AUG-74).   1a1

    I gave him the COM proofs DDSI had produced,   1a2

      There were two formats: the COM publication format
      (meyer,afcom,) and the fiche format (meyer,affiche,). Both
      were formatted solely by those programs, were close to the
      AF specs, but someone has to sit down and compare the specs
      to the proofs in detail, He will take the proofs to his
      format expert and we may get some feedback there, but we
      should do that too,   1a2a

      At this point, it doesn't seem worthwhile to pursue this
      further, DDSI is far to expensive for him to use on a
      regular basis, In house tape-to-fiche runs at MOST $50 per
      FICHE, and DDSI (with a couple hundread frames per fiche and
      at $2,50 per frame) is orders of magnitude higher,   1a2b

      They really do not need the flexibility, quality, etc, of
      the Comp80, They are satisfied with the in house COM device
      (Gould) which produces only three type sizes, and only a
      couple stick fonts of a couple degrees of boldness,   1a2c

      If, however, we could develop an interface to a cheaper COM
      device (FR80 perhaps?), we could be competitive, There is a
      chance that Bill will have access to an Air Force FR80, I
      said that sounded like a good idea, that our interface with
      DDSI was fairly generalizable (is that a word?), and it
      would take some software development in the COM device, He
      will talk to Dick Watson about the possibility of adding
      that job on to our contract,   1a2d

      There is another possible use for maintaining the document
      online, Bill is going to talk to the guy who "owns" the
      document about his ability to maintain, modify, etc, it,   1a2e

      Another stumbling block is our inability to mark strings of
      text as special (like titles within a statement), This
      marking could map to underlining on displays with that
      capability, boldface, a certain set of OP directives,
      whatever,   1a2f

      We also spoke of the limitations of the current output

Dialog on 48x Microfichefor NSW, Sending COM Files to ISI, User's
Glossary Trial, Final Report Trial,

processor, He would like someday to see an interactive
formatter using the mouse, like bug the right margin, etc,
(which could eventually translate your parameters to
directives), We also mentioned the need for a page
formatter, Of course he understands that we don't currently
have the resources to pursue these things,   1a2g

Elizabeth Michael responded with this sendmssage to Carlson: 1b

    7-AUG-74 1530-PDT MICHAEL: microfiche
    Distribution: CARLSON AT ISI, riddle at OFFICE-1,
VANNOUHUYS, meyer
    Received at: 7-AUG-74 15:30:39   1b1

    We want to be sure we aren't missing a bet on doing fiche at
    DDSI,
    The first quote they gave us was about $30/fiche, However,
    this was using only stick fonts - no graphics arts fonts,
    (?The latter apparently smudge at large reductions on the
    DDSI equipment,) If stick fonts
    are permissable it might be worth investigating further to
    get a firm price and assure ourselves that the quality is
    satisfactory,   1b1a

Carlson replied via sendmessage with certan questions about cost,
and whether the stick fonts could be justified proportionally or
not (they can't),   1c

Fiche Test Files   2

    In response I first created a file (vannouhuys,microfiche,) copied
    from (michael, fiche,) with the typeface Film subsituted for Times
    Roman and the typeface NMAMicrofont substituted for Newsgothic, I
    checked that file with a COM test and converted it to
    <com>stickversionaffiche, Last night I shipped it to ISI (see
    appendix) where it was put on tape for DDSI as
    <SRI-ARC>STICKAFFICHE,   2a

    Last night I also created a fle (documentation,trysticks,) by
    taking an branch starting at chapter 4 from (meyer,afdoc,), On
    this file I ran the program contained in <meyer>afcom,CA;   2b

        I duplicated branches in (documentation,trysticks,) and then
        substituted OCRB for Newsgothic throughout and each of the
        stick fonts avaialbe from DDSI (Directory, Film, NMAMicrofont,
        and OCRB) for Times Roman in branches respectively, This file
        was spooled off at ISI as <SRI-ARC> Trysticks (see appendix),   2b1

Dialog on 48x Microfichefor NSW, Sending COM Files to ISI, User's
Glossary Trial, Final Report Trial,

User Glossary and Final Report Test Files   3

   On the same occaion I sent to DDSI <COM> 10pointGlossarymodel and
   <COM>8pointmodelglossary which appeared to them as
   <SRI-ARC>10point and <SRI-ARC>8point, These files are trail-run
   excerpts of the User's Glossary (gjournal,23704,)   3a

   On the same occasion I sent to them <COM>kwcsdevfirstry which
   appeared to them as <SRI-ARC>kwcsdev, which consists of
   (documenation,headmatter,) and a branch of the current draft of
   our next final report (documenation,final,6a) put together and
   output via COM to test the operation of the directives,   3b

Dialog on 48x Microfichefor NSW, Sending COM Files to ISI, User's
Glossary Trial, Final Report Trial,

Appendix:
Edited TELNET Record of sending COM Files to DDSI in the eveningof
August 12,

   @GLOG

   (USER) SRI-ARC

   (PASSWORD)

   (ACCOUNT #) 1

      JSYS ERROR RETURN IN EXEC

      PC 7037 ACS 600015 170700000565 500000000001

      LOGIN: You are allowed only one job

   *GET (foreign-filename<RETURN>) <COM>10POINTGLOSSARYMODEL.TXT;1

      to local-file <SRI-ARC>10POINT [New file]

   < IMAGE retrieve of <COM>10POINTGLOSSARYMODEL.TXT;1 started.

   < Transfer completed,

   3146, bytes transferred, run time = 276, MS,

      Elapsed time = 11248, MS, Rate = 10068, Baud,

   *GET (foreign-filename<RETURN>) <COM>8POINTMODELGLOSSARY.1;1

      to local-file <SRI-ARC>8POINT

   ? Can't open local file.

      what?

   *GET (foreign-filename<RETURN>)
   10POINT\T\N\I\O\P\O\18POINTMODELGLOSSARY

   **,1;1

      to local-file <SRI-ARC>8POINT [New file]

   < File not found,

No completion reply received,

*GET (foreign-filename<RETURN>) <COM>8POINTMODELGLOSSARY,1;1

to local-file <SRI-ARC>8POINY\YT [New version]

< IMAGE retrieve of <COM>8POINTMODELGLOSSARY,1;1 started.

< Transfer completed.

2943, bytes transferred, run time = 261, MS,

Elapsed time = 8781, MS, Rate = 12065, Baud.

*GET (foreign-filename<RETURN>) <COM>TRYSTICKS,1;1

to local-file <SRI-ARC>TRYSTICKS [New file]

< IMAGE retrieve of <COM>TRYSTICKS,1;1 started.

< Transfer completed.

31692, bytes transferred, run time = 2156, MS,

Elapsed time = 60903, MS, Rate = 18733, Baud.

*GET (foreign-filename<RETURN>) <COM>KWCSDEVFIRSTRY,1;1

to local-file KWCSDEV

[New file]

< IMAGE retrieve of <COM>KWCSDEVFIRSTRY,1;1 started.

< Transfer completed.

33925, bytes transferred, run time = 2489, MS,

Elapsed time = 66551, MS, Rate = 18351, Baud.

*GET (foreign-filename<RETURN>) <COM>STICKVERSIONOFAFFICHE,COM;1

   to local-file STICKAFFICHE

   [New file]

< IMAGE retrieve of <COM>STICKVERSIONOFAFFICHE,COM;1 started,

< Transfer completed,

5120, bytes transferred, run time = 400, MS,

   Elapsed time = 15048, MS, Rate = 12248, Baud,

*QUIT

@

@SYS

   UP 69:21:59:   13 JOBS

   LOAD AV   0,82   0,79   0,75

   TENEX WILL GO DOWN MON 8-12-74 2345 TIL TUE 8-13-74 0500

   JOB TTY USER   SUBSYS

   7   40   OPERATOR   EXEC

   9   43   MSTANFORD (PRIV)

   12 42   SRI-ARC   EXEC

   30 6   OP-CHASE   (PRIV)

   37 41   CSK   TECO

   40 27   LYNN   TECO

   1   DET SYSTEM   NETSER

Dialog on 48x Microfichefor NSW, Sending COM Files to ISI, User's
Glossary Trial, Final Report Trial,

        2   DET   SYSTEM   RSSER

        3   DET   SYSTEM   TIPSER

        4   DET   SYSTEM   STAT

        5   DET   SYSTEM   MAILER

        6   DET   SYSTEM   GROUP

        23 DET   RICHARDSON EXEC

@LINK (TO) OPERATOR

LINK FROM SRI-ARC, TTY 42

@;GOOD EVENING,

@;GOOD EVENING TO YOU, ONCE AGAIN I'D LIKE TO PUT SOME FILES I'VE
JUST F

**TP'D ONTO TAPE THERE FOR SOME ONE TO PICK UP,,,HAVE YOU DONE
THIS FOR

**US BEFORE?

@;I CERTAINLY HAVE, WHY DONT I GET ONE OF YOUR TAPES, PUT IT

@;UP, ANF\FD LINK BACK TO YOU???

@;GREAT

@;OK, BE BACK IN BOUT 5-10 MINS, BYE

@BR

SYS

    UP 69;30;51; 13 JOBS

    LOAD AV   0,43   0,52   0,64

Dialog on 48x Microfiche for NSW, Sending COM Files to ISI, User's
Glossary Trial, Final Report Trial.

     TENEX WILL GO DOWN MON 8-12-74 2345 TIL TUE 8-13-74 0500

     JOB TTY   USER   SUBSYS

     7   40   OPERATOR   EXEC

     9   43   MSTANFORD   (PRIV)

     12 42   SRI-ARC   EXEC

     30 6   OP-CHASE   (PRIV)

     37 41   CSK   TECO

     40 27   LYNN   SOS

     1   DET   SYSTEM   NETSER

     2   DET   SYSTEM   RSSER

     3   DET   SYSTEM   TIPSER

     4   DET   SYSTEM   STAT

     5   DET   SYSTEM   MAILER

     6   DET   SYSTEM   GROUP

     23 DET   RICHARDSON EXEC

@

LINK FROM OPERATOR, TTY 40

LINK FROM OPERATOR, TTY 40

@;HI

@;HELLO AGAIN, COM TAPE #114 IS ON MTA0; AND REDY TO ROLL.

@;THANKS, I(LL LINK BACK WHEN I'M DONE

@;HOKY DOKY, BYE

Dialog on 48x Microfichefor NSW, Sending COM Files to ISI, User's
Glossary Trial, Final Report Trial,

@BR

MTACPY,SAV;1

MAGTAPE UNIT NO,=0GTJFN; Device not mounted

LOCATION = 400030

@

@MTACPY,SAV;1

MAGTAPE UNIT NO,=0GTJFN; Device not mounted

LOCATION = 400030

@MTACPY,SAV;1

MAGTAPE UNIT NO,=0GTJFN; Device not mounted

LOCATION = 400030

@LINK (TO) OPERATOR

LINK FROM SRI-ARC, TTY 42

@;HI, IT SAYS "DEVICE NOT MOUNTED"

@;TRY "MOUNNTXXXXX "MOUNT MTA0:"

@MOUNT MTA0;

@MTACPY,SAV;1

MAGTAPE UNIT NO,=0

USE 556 BPI?(Y OR N) N

DESIRED DENSITY(200 OR 800):800

NORMAL ODD PARITY?(Y OR N):Y

TO OR FROM MAGTAPE? (T OR F)?T

SOURCE FILE(S):;ILL GO NOW, BYE

@BR

10POINT,;1

19200 (DECIMAL) SIX-BIT BYTES,

SOURCE FILE(S):10POINT,;1

19200 (DECIMAL) SIX-BIT BYTES,

SOURCE FILE(S):8POINT,;2

17664 (DECIMAL) SIX-BIT BYTES,

SOURCE FILE(S):8POINT,;2

17664 (DECIMAL) SIX-BIT BYTES,

SOURCE FILE(S):STICKAFFICHE,;1

30720 (DECIMAL) SIX-BIT BYTES,

SOURCE FILE(S):STICKAFFICHE,;1

30720 (DECIMAL) SIX-BIT BYTES,

SOURCE FILE(S):TRYSTICKS,;1

190464 (DECIMAL) SIX-BIT BYTES,

SOURCE FILE(S):TRYSTICKS,;1

190464 (DECIMAL) SIX-BIT BYTES,

SOURCE FILE(S):

DONE?(Y OR N)Y

EXIT,

°C

@

@LINK (TO) OPERATOR

LINK FROM SRI-ARC, TTY 42

@;YESSS

@;ALL DONE

@;ANY PROBS?

@;NOPE, CAN YOU JUST LEAVE IT FOR THE MESSENGER FROM DDSI

@;OK, I ASSUME IT'LL BE PICKED UP TOMORROW?

@;YUP, FROM "THE COMPUTER ROOM",?

@;YES, FROM "THE COMPUTER ROOM", OR OTHERWISE KNOWN AS "THE
MACHINE ROOM

**"

@;ANYWAY, WILL DO

@;GREAT, THANKS

@BREAK (LINKS)

@LOGO

    SRI-ARC OVER ALLOCATION BY 53 PAGES,

KILLED JOB 12, USER SRI-ARC, ACCT 1, TTY 42, AT 8/12/74 2242

    USED 0:0:43 IN 0:49:2

#quit

Parts of statements dissapear

(J23789) 13-AUG-74 16:01;;;;   Title: Author(s): Kirk E. Kelley/KIRK;
Distribution: /BUGS([ACTION]) ; Sub-Collections: SRI-ARC BUGS;
Clerk: KIRK;

Parts of statements dissappear

There is a glitch in the experimental system that causes parts of
statements to not be displayed. It does not occur in the running
system, and I'm not sure under what all conditions it occurs in the
experimental system, but I can get it to consistantly not show the
first character of the origin statement by typing Jump (to) Link 0,1
CA   1

Text disappears from the beginning of statements,

(J23790) 14-AUG-74 01:10;;;; Title: Author(s): Kirk E. Kelley/KIRK;
Distribution: /BUGS([ACTION]) DSM([ACTION]) ; Sub-Collections:
SRI-ARC BUGS; Clerk: KIRK;

Text disappears from the beginning of statements,

The NLS document locator files no longer work in DWORK. It appears
that the bug is the result of a combination of two new anomolies:
statements only appear on the screen beginning with the location of
the CM and links specifying only viewspecs and no address point to
the first character of the link instead of the first character of the
statement in which they are located. Everything seems to work fine
in TWORK. Why do statements in DWORK only appear beginning with the
location of the CM? Is this a planned change or a bug? If it's a
planned change, it needs more planning before being brought up as
part of DNLS. If it is a bug, it needs to be fixed,   1

ARC Personnel Lists

(J23791) 14-AUG-74 10:56;;;;   Title: Author(s): Jeanne M.
Leavitt/JML; Distribution: /SRI-ARC([INFO-ONLY]) ; Sub-Collections:
SRI-ARC; Clerk: JML;   Origin: < LEAVITT, PURPLE,NLS;2, >,
14-AUG-74 10:50 JML ;;;;####;

ARC Personnel Lists

These files are now being maintained for your reference. Read on for further elucidation,

ARC Personnel Lists

There are now two files in my directory which I will be keeping
current for use by ARC: 1

    leavitt,arc,: has current ARC people, their titles, room numbers
    and SRI extensions   1a

    leavitt,jarcm,: contains home addresses and phone numbers of ARC
    people   1b

Please feel free to load these files and print yourselves out copies.
I will be updating the information frequently to keep it current.
When you do have changes, please give them to Sandy or me, and they
will soon appear. If anyone feels queasy about having his or her
home address and phone number in an online file, let me know. I am
assuming it would be pleasant and supportive for people in the group
to be able to reach each other easily, both here and at home.   2

You Need to Act on Hiring a Writer

(J23792) 14-AUG-74 11:29;;;; Title: Author(s): Dirk H, Van
Nouhuys/DVN; Distribution: /RWW([ACTION]) JMB([INFO-ONLY]) JHB(
[INFO-ONLY]) KIRK([INFO-ONLY]) JCN([INFO-ONLY]) ;
Sub-Collections: SRI-ARC; Clerk; DVN;

You Need to Act on Hiring a Writer

I think is very important that we choose one of the candidates for
Jeanne Beck's job before you go on vacation, I hope you set up
appointments first thing Thursday as some of the applicants are a
little hard to get ahold of,   1

I am putting applications, writing tests, etc, for the three
candidates on your desk,   My file (vannouhuys,writers,) contains
some notes on them that may be helpful,   2

In the mean time, we wait to decide whether to move on with Frank
Kelley on the basis of whether the budget holds a full job for a
protocol writer,   3

I am beating the bushes for more secretarial applicants,   4

suggestion on indirect addressing.

(J23793)   14-AUG-74 14:14;;;;   Title: Author(s): Robert N.
Lieberman/RLL; Distribution: /FDBK([ACTION]) KIRK([ACTION]) JHB(
[ACTION]) DVN([ACTION]) ; Sub-Collections: SRI-ARC; Clerk: RLL;

suggestion on indirect addressing.

I believe indirect addressing would be nice to have within editing
commands. When thecontrol U business disappears in the new version,
one coulduse th control u to be used as an indirection. E.G. if
bugged after connrol u , the name/link bugged wuld be taken as the
effective address.This is extremely valuable where an index is kept
of links and structural entities are moved/copied to positions
relative to this links. The slight inconsistency with TNLS should not
be a barrier since such an indirecting scheme has very low value for
TNLS uers and <CA> for them means CM where <CA>=<BUG> means the
spotcurrently being pointed to. Just don't permit it for TNLS.If
there is some other conflict I have issed, then consider a sppcial
character or another (ugh) control character to indicate the
indirection. (how about slash?) Robert   1

lineprocessor bug

(J23794) 14-AUG-74 14:52;;;;   Title: Author(s): Kirk E, Kelley/KIRK;
Distribution: /BUGS([ACTION]) DIA([ACTION]) ; Sub-Collections:
SRI-ARC BUGS; Clerk: KIRK;

lineprocessor bug

Going into nls when your initial file partial copy is busy at another
job freaks out or hangs your lineprocessor job,   1

New (unintentional?) meaning for viewspec capital B

(J23795) 14-AUG-74 14:54;;;;   Title: Author(s): Kirk E, Kelley/KIRK;
Distribution: /BUGS([ACTION]) DSM([ACTION]) ; Sub-Collections:
SRI-ARC BUGS; Clerk: KIRK;

New (unintentional?) meaning for viewspec capital B

Only those characters following the current marker are seen on the
DWORK screen when capital B is on. This keeps the document locator
files from working because they use viewspecs containing no address
which addresses the link and not the first character of the
statement.   1

1

Format for reference listing of ARC staff, cf 23791

(J23796)   14-AUG-74 16:46;;;;   Title: Author(s): Douglas C.
Engelbart/DCE; Distribution: /JML([ACTION]) ; Sub-Collections:
SRI-ARC; Clerk: DCE;

Format for reference listing of ARC staff, cf 23791

This refers to Jeanne's memo (GJOURNAL, 23791,), giving links to two
files in which she will maintain basic reference information about
ARC staff, I approve; and offer a suggestions. Maintain just one
list, formatted perhaps as shown below: 1

    Last-name, Local-handle-name   IDENT   SRI-extension
    Room-number   Title
    Home-phone, Home-address
    Spouse/mate-name -- Child1-name, child2-name, etc,   1a

I'd make most use of the one-line truncated view, and would want to
make quickprints of the list sorted by last name, If I were
interested in other detail, I'd open up with more lines, Names of
house mates or family (optional by person) would be of interest to
me, but not of heavy importance -- perhaps you could poll a few
people,   2

Addressing in commands by bugging a link

(J23797) 14-AUG-74 17:04;;;;   Title: Author(s): Kirk E, Kelley/KIRK;
Distribution: /FDBK([ACTION]) NP([INFO-ONLY]) RLL([INFO-ONLY]
) ; Sub-Collections: SRI-ARC NP; Clerk: KIRK;

Addressing in commands by bugging a link

I support RLL's suggestion (23793,) for allowing <CA> immediately
after <^U> mean "I'm bugging a link containing the address". The
prompts in DNLS would be   1

    B/T/[B/A] for CONTENT (LSEL)   1a

        where the parameter in square brackets for LSEL wants an
        address (or link, depending on your point of view),   1a1

    B/A/[B/T] for SOURCE (SSEL)   1b

    B/A/[B] for DESTINATION (DSEL)   1c

I see no inconsistency with TNLS where A: <CA> means "the location of
the Current Marker",   2

This would also be consonent with the new entity "Default Select"
(DEFSEL) for use in the Append, Break, Connect, Distribute, etc,
commands, DEFSEL would be T/[B/A], Just like the new LSEL Robert
sugests only without the first B,   3

For Indirect Addressing in Editing (support for 23793)

(J23798) 15-AUG-74 08:21;;;; Title: Author(s): Dirk H, Van Nouhuys/DVN; Distribution: /NEWNLS([ACTION]) FDBK([ACTION]) KIRK([INFO-ONLY]) JHB([INFO-ONLY]) ; Sub-Collections: SRI-ARC NEWNLS; Clerk: DVN;

For Indirect Addressing in Editing (support for 23793)

Robert's right, I have frequently missed being abtle to bug a link as
a source of a copy etc,   1

Coventions for changes to be Made in the User's Glossary but not in
the HELP Data Base

(J23799) 15-AUG-74 09:21;;;;   Title: Author(s): Dirk H. Van
Nouhuys/DVN; Distribution: /KIRK([ACTION]) JMB([INFO-ONLY]) ;
Sub-Collections: DIRT SRI-ARC; Clerk: DVN;

Coventions for changes to be Made in the User's Glossary but not in
the HELP Data Base

Kir, we went ahead and tried to think this out, figureing it would be
OK with you,

Coventions for changes to be Made in the User's Glossary but not in
the HELP Data Base

In some cases we will want to change definitions for the Hardcopy
User's glossary (gjournal,23704,1a) but leave the online HELP Data
bases unchanged, In that situation we will write something that shows
the change in as a substatement of the definition in
(documenation,help,), That substatement should beging with *% to
prevent useers of HELP from seing it, and the following character *-
to separate it from other comments in furture automatic retrieval,   1

Visit of Barthes

(J23800) 15-AUG-74 10:54;;;;   Title: Author(s): Richard W,
Watson/RWW; Distribution: /DCE([ACTION]) ; Sub-Collections:
SRI-ARC; Clerk: RWW;

Visit of Barthes

With respect to visit by Jean Barthes, as I told you before I left
last week I may stay on vacation into the week of the 4th and would
prefer not to make any commitments for that week definite at this
time, How can he be contcted to change the date? Thanks dick   1

1