Command Language Recommendations

Sorry I took so long. This is about 10 pages long. You will
probably want to print it (I suggest SID's on the right). I presume
we will meet about this in a few days.
Sent to: DSK CFD MFA MDK

Command Language Recommendations

With the NLS Utility will come a substantial increase in our NLS user
community. These, in general, are users which we would like to
please.   Consequently, I herein propose modifications to the command
language which I (chi) feel make it simpler, more consistent and
somewhat more complete (although, I think it has a way to go before
we can call it complete). I have discussed most of these issues with
the "novice user" and "command language" groups. I think these
changes should be in the running system BEFORE we begin training
these new users (say by mid JUNE) It is quite difficult to learn a
command language which is changing while you are learning it   1

The following changes should be made in the command language: 2

    The command language should be made to consist of an editor and
    special purpose subsystems. The command language for each should
    consist of frequently used commands, which are recognized by their
    first letter (unless preceded by a space) and infrequently used,
    new, or experimental commands, which are preceded by a SPACE and
    which are recognized when the user types enough characters.   2a

        This allows commands to be reasonably named and added without
        worrying about first letter conflicts while "protecting"
        frequently used commands -- significant problems currently.   2a1

        This should apply to operand types also, of course, but may not
        be widely used at first.   2a2

        In "novice" mode, a system supplied SPACE will preceed each
        command the user gives.   2a3

        Subsystem names should be recognized when the user has typed
        enough characters for uniqueness. All subsystems should
        terminate with the "Quit" command, as should NLS. All
        subsystems should have help commands.   2a4

    The concept of Address Expression should be generalized for DNLS,
    TNLS, and DEX such that wherever a statement name or number is
    currently used, an appropriate ADDRESS EXPRESSION should be
    allowed (see Appendix D).   2b

        For DNLS, a selection should be defined as   2b1

            SEL = (BUG / SP DAE CA);   2b1a

                Note that the use of markers in DNLS by holding the
                rightmost mouse button down and typing the marker name
                should be eliminated, since one will be able to type SP
                and an arbitrary DAE followed by a CA.   2b1a1

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Note that this definition of SEL propagates the problem
we now have with Replace in DNLS (i.e. whenever one has
the alternatives LIT / SEL, one will not be able to use
the SP DAE CA option of SEL since it will be interpreted
as a LIT).   2b1a2

In TNLS a selection should be defined as   2b2

  SEL = DAE CA;   2b2a

In DEX a selection is defined as   2b3

  SEL = STAE CA;   2b3a

Where DAE (Dynamic Address Expression) is defined in Appendix
D, and STAE (STatic file Address Expression) is defined in the
DEX-II design document.   2b4

A Dynamic Address Expression should be consistent with existing
links, the same DAE should work in TNLS and in DNLS, and the
elements of the expression should be reasonably mnemonic. A DAE
should be available in NLS wherever a statement number, SID, or
statement name is now used (as in links, jumps, etc.).   2b5

  The replacement of the statement name/number field by a DAE
  provides a powerful extention to the link syntax and will be
  compatible with extant links (see definition of a link in
  Appendix C).   2b5a

Editing command changes   2c

  Terminating any editing command with INSERT (what used to be
  called CDOT, for historical reasons) is shorthand for Command
  Accept (CA) followed by the INSERT command, which is an Insert
  Statement command which uses the Control Marker (CM) instead of
  asking the user to select the statement after which the new
  statement is to be inserted.   2c1

  The notion of operand-type defaulting in DNLS should be
  eliminated.   2c2

Substitute changes   2c3

  For the new form of the substitute command, see Appendix B. 2c3a

  An elipses capability should be made available in the
  substitute command. That is, text...text should be allowed
  for the specification of text to be replaced. This should

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result in instances of <text1 arbitrary-text text2> being
replaced in the substitute.   2c3b

This is subject to the constraint that the
<text1...text2> be in one statement, and that an
occurance of text1 can only be paired with the first
occurance of text2 following text1.   2c3b1

If text1 is null then assume String Front (SF); if
text2 is null then assume String End (SE).   2c3b1a

If one wishes to actually substitute for a string of
three periods (...), one must preceed the three periods
by OPTION.   2c3b2

Jump command changes   2d

The Jump commands should be made to be like the rest -- no
state of its own.   2d1

Jump to Successor, Jump to Predecessor should require one to
type 'J 'S 'J 'P just as Insert Character, Insert Word
requires one to type 'I 'C 'I 'W.   2d1a

The sub commands of Jump to End should be deleted.   2d2

The Jump File Link command should be removed since Jump to Link
is equivalent.   2d3

The order of operand selection in Move, Copy, Append, and
Substitute should be changed. Please see the command syntax in
Appendix B. Basically, the move/copy should be of the form
"Move/Copy This to There", rather than it current form "Move/Copy
to There, This". Append should be "Append this to that", instead
of "Append to that, this".   2e

This implies a change to the Insert command also. Please see
alternative forms in Appendix B.   2e1

The Print command should optionally not ask for VIEWSPECS (see
Appendix B).   2f

A new control character "OPTION" should be available for
specifying optional arguments to commands.   2g

In addition, I propose that we allow SP as a field delimiter in
links (see Appendix C), that there be a verbose Viewspecs command
that allows the user to deal with the capabilities of viewspecs
without having to memorize the letter definitions, that there be a

FILTER command for content filters, a FORMAT command instead of
OUTPUT, and that there be a REORDER SID's command and a COMPACT
FILE command (doing away with Output File). Please refer to
Appendix B for details.   2h

Appendix A: Proposed Command Language (summary)   3

Commands which must be preceded by SP are preceded by SP in this
list: 3a

    append statement   3a1

    assemble   3a2

    break statement   3a3

    copy   3a4

    connect screen to terminal   3a5

    calculator subsystem   3a6

    control file (playback / record / terminate recording)   3a7

    change device to [display / TI-terminal / etc.)   3a8

    clear window   3a9

    compact file   3a10

    delete   3a11

    <delete> ('a <all markers> / 'm <marker named> LIT)
Confirmation;   3a12

    execute (subsystem command)   3a13

    edit   3a14

    enter browse mode   3a15

    format   3a16

    force case   3a17

    filter (set PATTERN / on?) (old content analysis)   3a18

    file [lock / size / ownership / return ring] status   3a19

goto SUBSYSTEM-NAME   3a20

help   3a21

  horizontally split window (DNLS)   3a22

  halve window (vertically / horizontally)   3a23

insert   3a24

  <insert> (sequential / assembler) file   3a25

  <insert> Journal submission form   3a26

  identification subsystem   3a27

jump (DNLS and TNLS)   3a28

  journal subsystem   3a29

k (unused)   3a30

load file FILENAME Confirmation;   3a31

  leave browse mode   3a32

move   3a33

  <move> boundary   3a34

  merge   3a35

  mark   3a36

  measurement subsystem   3a37

null file   3a38

  name delimeters   3a39

  NLSDDT (arm / disarm) ↑H   3a40

o (unused)   3a41

p (unused in DNLS) print (TNLS)   3a42

quit   3a43

  query subsystem   3a44

TAB   %to next occurrence of content or word%   3a70

'. (TNLS) show CM (CSP)   3a71

';   Comment   3a72

'/ (TNLS) type context of CM (CSP)   3a73

' (TNLS) print statement   3a74

linefeed (TNLS) print next statement   3a75

'↑ (TNLS) print back statement   3a76

'?   3a77

Appendix B: Proposed Command Language (detail)   4

  Definitions   4a

    CA = ↑D / CR (default); %SEL or command terminator%   4a1

    INSERT = CDOT = ↑B / ESC/ALTMODE (default);   %Terminate current
    command and begin INSERT command%   4a2

    CD = ↑x / DEL/RUBOUT (default); %abort current command
    specification%   4a3

    OPTION = ↑J / LF (default);   %enter option parameter or use
    optional form of a command%   4a4

    Confirmation = CA / INSERT;   4a5

    TextSpec1 = 'c <... Character> / 'w <... Word> / 'v <...
    Visible> / 'i <... Invisible> / 'l <... Link> / 'n <...
    Number>;   4a6

    TextSpec2 = 't <... Text>;   4a7

    StructureSpec1 = 's <... Statement> / 'b <... Branch> / 'p <...
    Plex>;   4a8

    StructureSpec2 = 'g <... Group>;   4a9

    Where <... WORD> denotes that WORD is appended to the command
    feedback.   4a10

    FILENAME = LIT CA / SEL; %where lit is of the form
    <dir>file.ext%   4a11

LIT = literal text typed by the user, excluding control
characters such as CA, CD, INSERT, OPTION, etc. unless preceded
by the literal escape (LE) character (default LE is control-V).   4a12

Command Language (Note: All commands and operand-types may be
precedded by a SP and some MUST be. If a command or operand-type
is not preceded by a SP, the system default command or
operand-type for the first letter typed will be assumed and used.
If it is preceded by a SP then recognition will take place when a
sufficient number of characters have been typed to determine
uniqueness.)   4b

append statement   4b1

    Syntax: 'a <Append Statements> SEL <and> SEL LIT
    Confirmation;   4b1a

  assemble   4b2

    Syntax: " as" <Assemble Using> ASSEMBLER-NAME <to file>
    FILENAME Confirmation;   4b2a

break statement   4b3

    Syntax: 'b <Break Statement after Visible>   4b3a

        SEL LEVADJ Confirmation;   4b3a1

copy   4b4

    Syntax: 'c <Copy>   4b4a

        ((TextSpec1 SEL / TextSpec2 SEL SEL) <to follow> SEL /   4b4a1

        (StructureSpec1 SEL / StructureSpec2 SEL SEL) <to follow>
        SEL LEVADJ)   4b4a2

        Confirmation;   4b4a3

    connect screen to terminal   4b5

    calculator subsystem   4b6

    control file (playback / record / terminate recording)   4b7

    change device to (display / TI-terminal / etc.)   4b8

    clear window   4b9

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compact file	4b10
delete	4b11
Syntax: 'd <Delete>	4b11a
((TextSpec1 / StructureSpec1) SEL /	4b11a1
(TextSpec2 / StructureSpec2) SEL <(to)> SEL)	4b11a2
Confirmation;	4b11a3
<delete> ('a <all markers> / 'm <marker named> LIT) Confirmation;	4b12
execute (subsystem command)	4b13
edit	4b14
enter browse mode	4b15
format	4b16
syntax: 'f <format for>	4b16a
(	4b16a1
('q <Quickprint> /	4b16a1a
'j <Journal Mail Quickprint> /	4b16a1b
'p <Printer> (COM, etc.))	4b16a1c
FILENAME <Copies = 1?> [NUMBER]) /	4b16a1d
(	4b16a2

**'s <Sequential File> /   4b16a2a

'a <Assembler File>)	4b16a2b
FILENAME)	4b16a2c
Confirmation;	4b16a3
force case	4b17
Syntax:	4b17a

" forc" <force case>   4b17a1

    ((TextSpec1 / StructureSpec1) SEL /   4b17a1a

    (TextSpec2 / StructureSpec2) SEL SEL) /   4b17a1b

    'm <Mode>)   4b17a1c

    [mtype]   4b17a1d

    Confirmation;   4b17a1e

        mtype = ('i <initial upper> / 'u <upper> / 'l
        <lower>);   4b17a1e1

    Note: allows temporary mode setting for a single instance
    of the command   4b17a2

filter (set PATTERN / on?) (old content analysis)   4b18

file [lock / size / ownership / return ring] status   4b19

goto SUBSYSTEM-NAME   4b20

help   4b21

    prints out instructions for new or confused users including
    definitions of terms used in syntax rules for commands.   4b21a

horizontally split window (DNLS)   4b22

halve window (vertically / horizontally)   4b23

insert   4b24

  Syntax alternative 1: 'i <Insert>   4b24a

    ((TextSpec1 / TextSpec2) SEL /   4b24a1

    (StructureSpec2 / StructureSpec1) SEL LEVADJ)   4b24a2

    LIT   4b24a3

    Confirmation;   4b24a4

  Syntax alternative 2: 'i <Insert>   4b24b

    ((TextSpec1 / TextSpec2) LIT <after> SEL /   4b24b1

                    (StructureSpec1 / StructureSpec2) LIT <after> SEL LEVADJ)   4b24b2

            Confirmation;   4b24b3

      <insert> (sequential / assembler) file   4b25

      <insert> Journal submission form   4b26

      identification subsystem   4b27

   jump (DNLS and TNLS)   4b28

        Syntax for DNLS: 'j <Jump to>   4b28a

            ([4b28a1

                'i <... Item> /   4b28a1a

                's <... Successor> /   4b28a1b

                'p <... Predecessor> /   4b28a1c

                'u <... Up> /   4b28a1d

                'd <... Down> /   4b28a1e

                'h <... Head> /   4b28a1f

                't <... Tail> /   4b28a1g

                'e <... End of Branch> /   4b28a1h

                'o <... Origin> /   4b28a1i

                ]   4b28a1j

            SEL VEIWSPECS   4b28a1k

) /   4b28a1l

        (4b28a2

            'l <... Link> ['l <... Locked>] (SP LIT / SEL
            VEIWSPECS) /   4b28a2a

                %locked is a priviledged facility and is not
                available to the average user%   4b28a2a1

            'r <... Return>   4b28a2b

%text from 'return' statement%   4b28a2b1

$(NOT-Confirmation %text from 'return' statement%)
/   4b28a2b2

'a <... Ahead>   4b28a2c

%text from 'ahead' statement%   4b28a2c1

$(NOT-Confirmation %text 'ahead' from statement%) /
                                                                4b28a2c2
'f <... File>   4b28a2d

((SP FILENAME / SEL) VIEWSPECS %load file%/   4b28a2d1

(('a <... Ahead> /   4b28a2d2

  'r <... Return>)   4b28a2d2a

   %file name% $(NOT-Confirmation %next file name%)
   /   4b28a2d2b

'n <... Name>   4b28a2e

['f <... First> /   4b28a2e1

'n <... Next>]   4b28a2e2

(SP LIT CA / SEL) VIEWSPECS /   4b28a2e3

'c <... Content First>   4b28a2f

['f <... First> /   4b28a2f1

'n <... Next>]   4b28a2f2

(SP LIT CA / SEL SEL / OPTION %Accept old content%)
VIEWSPECS /   4b28a2f3

'w <... Word First>   4b28a2g

['f <... First> /   4b28a2g1

'n <... Next>]   4b28a2g2

(SP LIT CA / SEL / OPTION %Accept old word%)
VIEWSPECS   4b28a2g3

) .   4b28a2h

Confirmation;   4b28a3

Syntax for TNLS: 'j <Jump to> SEL;   4b28b

journal subsystem   4b29

includes submission, number assignment, secondary
distribution, etc.   4b29a

k (unused)   4b30

load file FILENAME Confirmation;   4b31

leave browse mode   4b32

move   4b33

Syntax: 'm <Move>   4b33a

((TextSpec1 SEL / TextSpec2 SEL SEL) <to follow> SEL /   4b33a1

(StructureSpec1 SEL / StructureSpec2 SEL SEL) <to follow>
SEL LEVADJ)   4b33a2

Confirmation;   4b33a3

<move> boundary   4b34

merge   4b35

Syntax: " mer" <Merge>   4b35a

((('b <... Branch> / 'p <... Plex>) SEL <into> SEL) /   4b35a1

('g <... Group> SEL SEL <into> SEL SEL))   4b35a2

Confirmation;   4b35a3

mark   4b36

Syntax: "ma" <Mark> SEL <with marker name> LIT Confirmation;   4b36a

measurement subsystem   4b37

null file   4b38

Syntax: 'n <Null File> FILENAME Confirmation;   4b38a

Creates a null (empty) file.   4b38a1

```
    name delimeters                                               4b39

      Syntax: " na" <Name Delimeters>                             4b39a

        ('d <... Display> <for statement at> SEL /                4b39a1

        (                                                         4b39a2

            StructureSpec1 <at> SEL /                             4b39a2a

            StructureSpec2 <from> SEL <( to )> SEL )              4b39a2b

            <Left Delimiter> LIT <Right Delimiter> LIT            4b39a2c

            )                                                     4b39a2d

        Confirmation;                                             4b39a3

    NLSDDT ( arm / disarm ) †H                                    4b40

  o ( unused )                                                    4b41

  p ( unused in DNLS ) print ( TNLS )                             4b42

    Syntax for TNLS print:                                        4b42a

      'p <Print>                                                  4b42a1

          (StructureSpec1 SEL / StructureSpec2 SEL SEL)
          VIEWSPECS Confirmation / Confirmation;                 4b42a1a

            if no structure is specified, printing will
            continue until terminated by control o or until the
            end of the file is reached.                          4b42a1a1

            We should provide a command in the "system control"
            subsystem which allows or disallows VIEWSPECS in
            print commands.  This would be of the form:  "Allow
            Viewspecs in Print commands? ( YES/NO )"    and should
            be NO for novice users.  In this case, the syntax
            would be:                                            4b42a1a2

              'p <Print>                                         4b42a1a2a

                  (StructureSpec1 SEL / StructureSpec2 SEL SEL)
                  / Confirmation;                                4b42a1a2a1

  quit                                                            4b43
```

query subsystem   4b44

replace   4b45

  Syntax: 'r <Replace>   4b45a

    ((TextSpec1 / StructureSpec1) SEL <by> (LIT / OPTION SEL)
/   4b45a1

    (TextSpec2 / StructureSpec2) SEL SEL <by> (LIT / OPTION
SEL SEL))   4b45a2

    Confirmation;   4b45a3

receive screen connection from terminal   4b46

relock file   4b47

reorder SID's in file   4b48

resource notebook subsystem   4b49

substitute   4b50

  syntax: 's <Substitute>   4b50a

    (TextSpec1 <New> Collect1 <For Old> Collect1 /   4b50a1

    TextSpec2 <New> Collect2 <For Old> Collect2)   4b50a2

    <Finished?> (NO %repeat at <New>% / YES)   4b50a3

    <in> (StructureSpec1 SEL/ StructureSpec2 SEL SEL) 4b50a4

    Confirmation;   4b50a5

    Where: 4b50a6

      For TNLS: 4b50a6a

        Collect1 = Collect2 = LIT;   4b50a6a1

      For DNLS: 4b50a6b

        Collect1 = (LIT / SEL);   4b50a6b1

        Collect2 = (LIT / SEL SEL); 4b50a6b2

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                          %propagates the current awkwardness in
                          specifying a NULL LIT%   4b50a6b2a

    sort   4b51

       Syntax: "so" <Sort>   4b51a

          (('b <... Branch> / 'p <... Plex>) SEL /   4b51a1

          'g <... Group> SEL SEL)   4b51a2

          Confirmation;   4b51a3

    show   4b52

       Syntax: "sh" <Show>   4b52a

          ('s <... Selections> / 'c <... Control Mark> / 'u <...
          Upper Case> / 'i <... Input Prompts>)   4b52a1

          Confirmation;   4b52a2

    status of markers   4b53

    set file ownership   4b54

    system control subsystem   4b55

       print parameters, feedback parameters, control characters   4b55a

    transpose   4b56

       Syntax: 't <Transpose>   4b56a

          ((TextSpec1 / StructureSpec1) SEL <and> SEL /   4b56a1

          (TextSpec2 / StructureSpec2) SEL SEL <and> SEL SEL)   4b56a2

          Confirmation;   4b56a3

    terminal link   4b57

    tty-simulation (set / restore)   4b58

    update file   4b59

       Syntax: 'u <Update File> %default file name% (OPTION <Old
       version> / [FILENAME]) Confirmation;   4b59a

user programs subsystem   4b60

unlock file   4b61

viewspecs   4b62

  Syntax: 'v <Viewspecs>   4b62a

    ('c <... Change> VIEWSPECS / 'r <... Reset> / 's <...
    Status> / 'v <... Verbose> english-viewspecs)   4b62a1

    Confirmation;   4b62a2

        in TNLS, default [and reset] will have statement
        numbers on   4b62a2a

        english-viewspecs allows the user to say things like   4b62a2b

            Staement numbers/SID's ON? (YES/NO)   4b62a2b1

            Show All Levels   4b62a2b2

            Statement numbers/SID's on Right? (YES/NO)   4b62a2b3

  verify file   4b63

  vertically split window (DNLS)   4b64

w (not used)   4b65

x (unused)   4b66

y (unused)   .   4b67

z (unused)   4b68

INSERT   %Insert Statement at Control Marker%   4b69

  Syntax alternative 1: INSERT   4b69a

    LEVADJ LIT Confirmation;   4b69a1

        Insertion and LEVADJ is relative to CM.   4b69a1a

  Syntax alternative 2: INSERT   4b69b

    LIT [OPTION LEVADJ] Confirmation;   4b69b1

        Insertion and LEVADJ is relative to CM.   4b69b1a

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TAB   %to next occurrence of content or word%   4b70

'. (TNLS) show CM (CSP)   4b71

'; Comment   4b72

'/ (TNLS) type context of CM (CSP)   4b73

' (TNLS) print statement   4b74

linefeed (TNLS) print next statement   4b75

'↑ (TNLS) print back statement   4b76

'?   4b77

   prints the names of all the commands available at the first
   level, with a comment about typing the first letter of any
   command followed by a '? to find out about that (set of)
   command(s).   This should also include an explanation of A:,
   T:, etc. Also the user is advised to use the command Help
   to find out about definitions.   4b77a

Appendix C: Definition of Link   5

  The syntax of a link should be as follows: 5a

    Link =   5a1

    LeftDelim Comment FileAddress ViewSpecs RightDelim; 5a1a

    LeftDelim =   5a1b

      ('(/ '<) $NP;   5a1b1

    Comment =   5a1c

      [CommentText CommentSep]   5a1c1

      CommentText =   5a1c2

        any text excluding LeftDelim, RightDelim, and
        CommentSep.   5a1c2a

      CommentSep =   5a1c3

        "--";   5a1c3a

    FileAddress =   5a1d

$NP [DirName FieldSep FileName FieldSep DAE /   5a1d1

FileName FieldSep DAE /   5a1d2

 DAE] $NP;   5a1d3

DirName =   5a1d4

   valid directory name;   5a1d4a

FileName =   5a1d5

   valid file name (excluding directory name);   5a1d5a

DAE =   5a1d6

   Dynamic Address Expression;   5a1d6a

FieldSep =   5a1d7

   If there are no commas in the FileAddress then   5a1d7a

      1$NP   5a1d7a1

   otherwise   5a1d7b

      $NP ', $NP;   5a1d7b1

ViewSpecs =   5a1e

   [ViewSpecSep ViewSpecText];   5a1e1

   ViewSpecSep =   5a1e2

      ': $NP;   5a1e2a

   ViewSpecText =   5a1e3

      $(L / NP / '; PATTERN ';);   5a1e3a

   RightDelim =   5a1f

   $NP (') / '>);   5a1f1

1$NP may be used instead of comma as a field delimiter in links
provided the FileAddress does not contain any commas.   5b

Appendix D: Definition of Dynamic Address Expression   6

Dynamic Address Expression elements   6a

   location number   6a1

      A statement number is D $(L / D / 'a).   6a1a

         (no preceding period)   6a1a1

   name   6a2

      A statement name is as defined by the name delimiter routine
      -- currently defined to be L $(L/ D/ ''/ '-).   6a2a

         (no preceding period)   6a2a1

   System-supplied Statement IDentifiers (SID's)   6a3

      '0 1$ D.   6a3a

         (no preceding period)   6a3a1

   A sequence of digits and letters PRECEEDED IMMEDIATELY BY A
   PERIOD can contain the following letters, with associated
   "Jump" meaning. NOTE: default value for <number> is 1.   6a4

      [number]'s   jump to successor <number> times   6a4a

      [number]'p   jump to predecessor <number> times   6a4b

      [number]'u   jump to up <number> times   6a4c

      [number]'d   jump to down <number> times   6a4d

      [number]'a   jump to ahead <number> times   6a4e

      [number]'r   jump to return <number> times   6a4f

      [number]"fa"   jump to file ahead <number> times   6a4g

      [number]"fr"   jump to file return <number> times   6a4h

      [number]'o   jump to origin   6a4i

      [number]'e   jump to end   6a4j

      [number]'n   jump to next <number> times   6a4k

      [number]'b   jump to back <number> times   6a4l

[number]'h	jump to head	6a4m
[number]'t	jump to tail	6a4n
[number]'l	jump to the <number>th link	6a4o
[number]'w	jump to next occurance of word <number> times	6a4p
[number]'c	jump to next occurance of content <number> times	6a4q
[number]'f SP FILENAME CA	jump to file	6a4r

    <number> is meaningless here.   6a4r1

a sequence of digits and letters PRECEEDED IMMEDIATELY BY A PLUS (SKIP FORWARD) OR MINUS (SKIP BACKWARD) can contain the following letters, with associated meaning. NOTE, default value of <number> is 1.   6a5

[number]'c	skip <number> characters	6a5a
[number]'w	skip <number> word	6a5b
[number]'v	skip <number> visible	6a5c
[number]'i	skip <number> invisible	6a5d
[number]'n	skip <number> number(s)	6a5e
[number]'l	skip <number> link(s)	6a5f

'* name	jumps to the next statement by that name	6a6
'(text ')	link	6a7

   text = Comment FileAddress ViewSpecs;   6a7a

      See definition of link in Appendix C.   6a7a1

'[text ']   content search   6a8

   text excludes '] unless preceeded by the literal escape character   6a8a

'< text '>   word search   6a9

   text excludes '> unless preceeded by the literal escape character   6a9a

Command Language Recommendations

'; text ';   intra-statement content search   6a10

    text excludes '; unless preceeded by the literal escape
    character   6a10a

'' character   character search   6a11

←   beginning of statement   6a12

>   end of statement   6a13

'# text   marker name, text = L $(L/D)   6a14

'/   print context   6a15

'   print statement   6a16

note that '/ and ' are part of a DAE. In DNLS this is
accomplished via the two line tty-simulation area above the
Command Feedback Area.   6b

16717 Distribution
   Diane S. Kaye, Charles F. Dornbush, Marilyn F. Auerbach, Michael D.
   Kudlick,

the class that you and mike instructed last week here at mitre in my
estimation very informative and i know i got a lot out of it.
thanks.

                bob silberski   1

(J16718)   21-MAY-73 13:54;   Title: Author(s): Robert Silberski/RS2;
Distribution: /; Sub-Collections: NIC; Clerk: RS2;

John P. Charles

I checked with Ted Strollo, the coordinator of the SUR group, and he
said it was OK to add John Charles to the SUR distribution list. I
have notified Charles and sent him the past SUR notes. He will
receive all future notes on regular distribution. Marcia Keeney.   1

16719 Distribution
    Thomas O'Sullivan,

copy of nic 16117

jeanne,

        pleease send me at your convenience a copy of nic 16117,
ibm system 360 (370) to imp interface installation and
planning.

               thanks,

        bob silberski   1

16720 Distribution
   Jeanne B. North,

How much time do Superwatch graphs take?

The last time I did the Superwatch graphs, I watched my time and it took about one and a half hours. This will probably get better as I or someone does them more often. There is also the possibility of having some kind of program to do all or part of the work. I'll look into this.   1
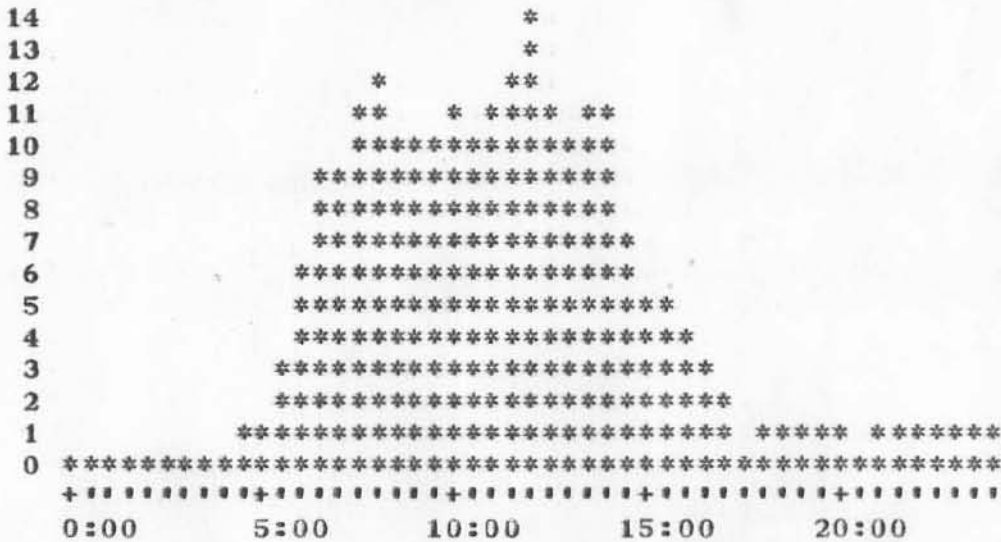
1

16721 Distribution
   James C. Norton, Paul Rech,

Superwatch Average Graphs for the Week of 5/14/73

TIME PLOT OF AVERAGE IDLE TIME FOR THE WEEK OF 5/14/73
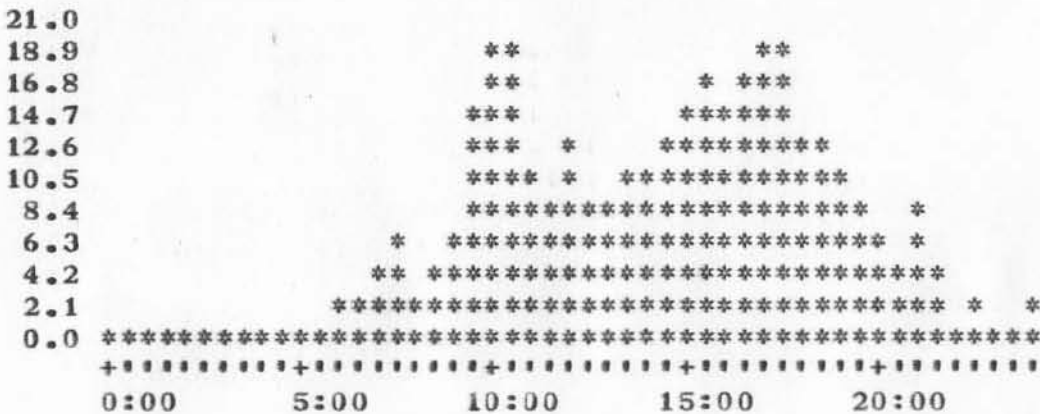x axis labeled in units of hr:min, x unit = 1800 sec.   1
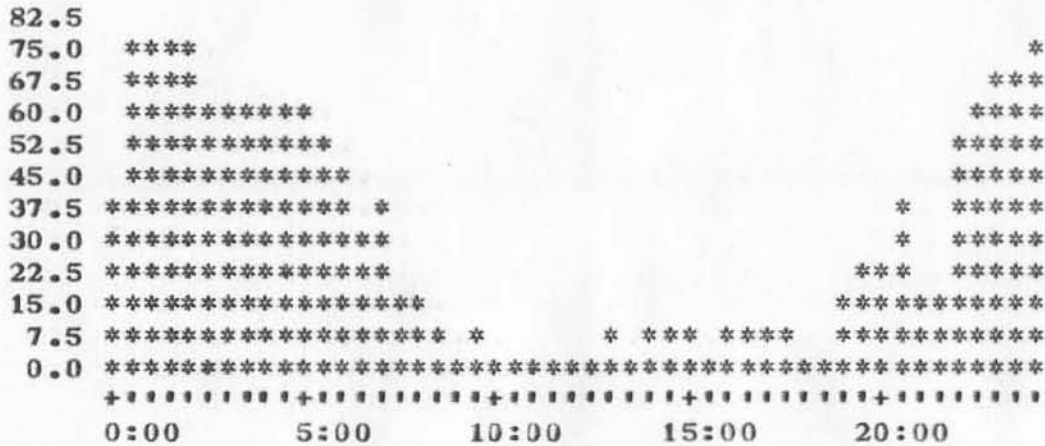
```
82.5
75.0   ****                                              *
67.5   ****                                            ***
60.0   **********                                      ****
52.5   ***********                                     *****
45.0   ************                                    *****
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 THE WEEK OF 5/14/73
x axis labeled in units of hr:min, x unit = 1800 sec.   2
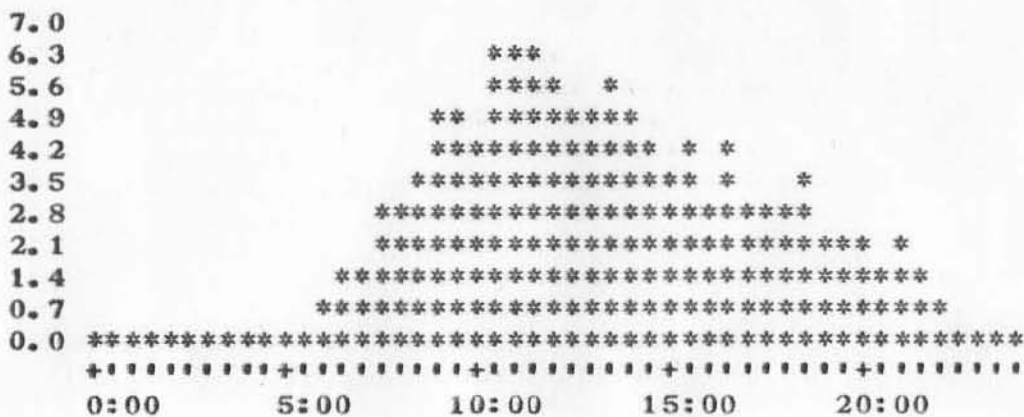
```
7.0
6.3                     ***
5.6                     ****   *
4.9                    ** ********
4.2                    ************* * *
3.5                   **************** *    *
2.8                  ***********************
2.1                  *************************** *
1.4                 *********************************
0.7                 *********************************
0.0   *********************************************************
      +   + +   +   +   +   +   +   +   +   +
      0:00      5:00      10:00     15:00     20:00                            2a
```

Superwatch Average Graphs for the Week of 5/14/73

TIME PLOT OF AVERAGE PER CENT OF CPU TIME CHARGED TO USER ACCOUNTS
FOR WEEK OF 5/14/73
x axis labeled in units of hr:min, x unit = 1800 sec.   3
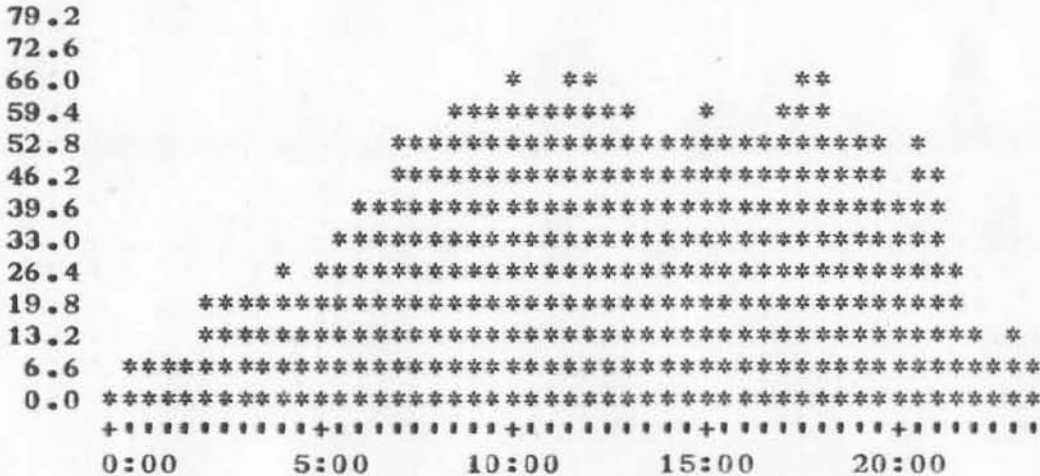
```
    79.2
    72.6
    66.0                           *   **              **
    59.4                        **********    *      ***
    52.8                      *************************** *
    46.2                      ***************************** **
    39.6                     ************************************
    33.0                     **********************************
    26.4               *  ****************************************
    19.8             **********************************************
    13.2             ************************************************ *
     6.6          ********************************************************
     0.0        **********************************************************
            +............+............+............+............+.........
             0:00       5:00      10:00      15:00      20:00                          3a
```

TIME PLOT OF AVERAGE NUMBER OF USERS FOR THE WEEK OF 5/14/73
x axis labeled in units of hr:min, x unit = 1800 sec.   4
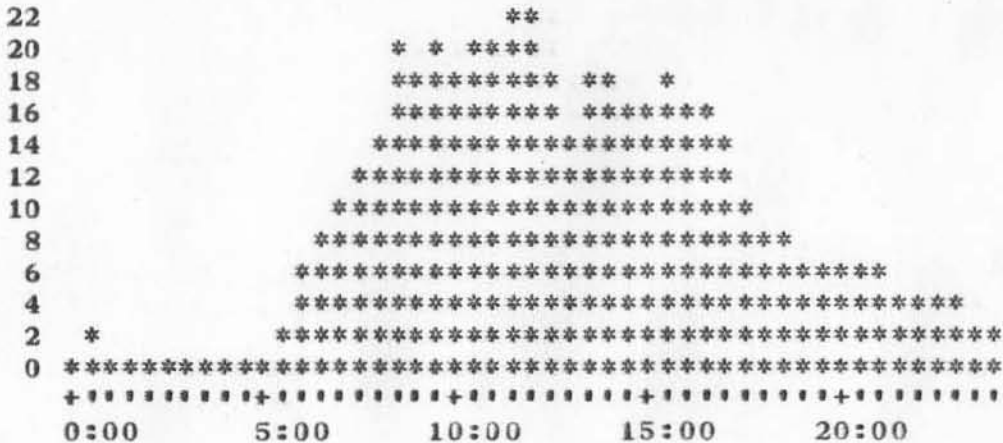
```
    22                        **
    20                    *  *  ****
    18                   *********  **    *
    16                   *********  *******
    14                  ******* *************
    12                  *********************
    10                 **************************
     8                ****************************
     6                ************************************
     4                ****************************************
     2     *          *********************************************
     0     *****************************************************************
            +............+............+............+............+.........
             0:00       5:00      10:00      15:00      20:00                          4a
```

Superwatch Average Graphs for the Week of 5/14/73

TIME PLOT OF AVERAGE NUMBER OF NETWORK USERS FOR THE WEEK OF 5/14/73
x axis labeled in units of hr:min, x unit = 1800 sec.   5

```
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              5a
```

TIME PLOT OF AVERAGE PER CENT OF SYSTEM USED IN DNLS FOR WEEK OF
5/14/73
x axis labeled in units of hr:min, x unit = 1800 sec.   6

```
21.0
18.9                   **              **
16.8                   **         * ***
14.7                  ***         ******
12.6                  *** *     *********
10.5                  **** *   **************
 8.4                  ******************** *
 6.3          *    ********************** *
 4.2         ** ****************************
 2.1        ****************************** *   *
 0.0  *****************************************************
    +||||||||||+|||||||||+|||||||||+|||||||||+||||||||
    0:00      5:00      10:00     15:00     20:00              6a
```

3

16722 Distribution

James C. Norton, Richard W. Watson, Douglas C. Engelbart, Paul Rech,
Donald C. (Smokey) Wallace, Jeffrey C. Peters, Dirk H. Van Nouhuys,
Elizabeth J. (Jake) Feinler, Charles F. Dornbush, Kirk E. Kelley,
Duane L. Stone,

TRANSMITTAL TO: John D. Unger

TRANSMITTAL TO: John D. Unger
                   Hawaiian Volcano Observatory
                   Hawaii National Park, Hawaii 96718

FROM: Marcia Keeney (NIC)
                   Station Agent   1

Concerning your letter of May 14, 1973, BBN Reports no. 1822 and 1877
are not for general distribution through the NIC;   I suggest you
contact the publisher, Bolt, Beranek and Newman.   The coordinator of
the TIP User's group is Dave Walden.   You can write to him at BBN
about being placed on the TIPUG distribution list.   1a

MLK/kk   1b

Transmittal to Station Agents -- 86

NIC 16724
Jeanne North   4 JUN 73   1

                                                                   1a

Enclosed: ⊕   1b

     NIC 16693 *NWG/RFC #516   Lost Message Detection.   1b1

                                                                   1c

*sent to Liaisons   1d

MLK/kk   2

16724 Distribution
    Station Agent, Michael D. Kudlick, James E. (Jim) White,

Transmittal to Station Agents -- 86

(J16724)   31-MAY-73 14:53;   Title: Author(s): Jeanne B. North/JBN   ;
Distribution: /SA   MDK   JEW   ; Sub-Collections: NIC   ; Clerk: KIRK   ;

Transmittal to Ken Bowles

ARPA Network Information Center   NIC 16726
Stanford Research Institute   7 JUN 73
Menlo Park, California 94025

.

                                                                    1

TRANSMITTAL TO: Ken Bowles
                  University of California, San Diego
                  UCSD Computer Center
                  Box 109,
                  La Jolla, California   92037   2

FROM: Jake Feinler
                  SRI-ARC

                                                                    3

At your request I am sending a copy of the Site Questionnaire and a
DRAFT copy of the site writeup.   4

cc: Jim Madden (UCSD-CC)   5

Transmittal to Peter Deutsch

ARPA Network Information Center   NIC 16727
Stanford Research Institute   7 JUN 73
Menlo Park, California 94025

                                                              1

TRANSMITTAL TO: Peter Deutsch
                  Xerox PARC
                  3180 Porter Drive
                  Palo Alto, California 94304   2

FROM: Elizabeth Feinler
                  SRI-ARC

                                                              3

At your request I am sending three copies of the Site Questionnaire.   4

ARPA Network Information Center   NIC 16728
Stanford Research Institute   7 JUN 73
Menlo Park, California 94025

1

TRANSMITTAL TO: Don Cantor
                  Computer Corporation of America
                  575 Technology Square
                  Cambridge, Massachusetts   02139   2

FROM: Elizabeth Feinler
                  SRI-ARC

3

At your request I am sending a copy of the Site Questionnaire.   4

Transmittal to John P. Barden

ARPA Network Information Center   NIC 16729
Stanford Research Institute   7 JUN 73
Menlo Park, California 94025

1

TRANSMITTAL TO: John P. Barden
                   Case Western Reserve University
                   Computing and Information Sciences Div.
                   10900 Euclid Avenue
                   Cleveland, Ohio 44106   2

FROM: Jake Feinler [SRI-ARC]
                   Coordinator, Resource Notebook

3

Enclosed is a DRAFT copy of the writeup for your site. Please make
the necessary corrections, fill out missing sections, and return the
writeup to me as soon as possible for inclusion in the Resource
Notebook.   4

We are particularly interested in filling out the section on user
programs since many users are asking what programs are available on
the Net. Any help you can give us along these lines will be
appreciated.   5

                        Sincerely,

                        Jake Feinler
                        Coordinator, Resource Notebook   6

Transmittal to H. Van Zoeren

ARPA Network Information Center   NIC 16730
Stanford Research Institute   7 JUN 73
Menlo Park, California 94025

                                                                    1

TRANSMITTAL TO: Harold R. Van Zoeren
                  Carnegie-Mellon University
                  Computer Science Department
                  Schenley Park
                  Pittsburgh, Pennsylvania 15213   2

FROM: Jake Feinler (SRI-ARC)
                  Coordinator, Resource Notebook

                                                                    3

Enclosed is a DRAFT copy of the writeup for your site. Please make
the necessary corrections, fill out missing sections, and return the
writeup to me as soon as possible for inclusion in the Resource
Notebook.   4

We are particularly interested in filling out the section on user
programs since many users are asking what programs are available on
the Net. Any help you can give us along these lines will be
appreciated.   5

                         Sincerely,

                         Jake Feinler
                         Coordinator, Resource Notebook   6

ARPA Network Information Center   NIC 16732
Stanford Research Institute   7 JUN 73
Menlo Park, California 94025

                                                                        1

TRANSMITTAL TO: Bradley A. Reussow
                  Harvard University
                  Aiken Computation Laboratory
                  33 Oxford Street
                  Cambridge, Massachusetts   02138   2

FROM: Jake Feinler [SRI-ARC]
                  Coordinator, Resource Notebook

                                                                        3

Enclosed is a DRAFT copy of the writeup for your site. Please make
the necessary corrections, fill out missing sections, and return the
writeup to me as soon as possible for inclusion in the Resource
Notebook.   4

We are particularly interested in filling out the section on user
programs since many users are asking what programs are available on
the Net. Any help you can give us along these lines will be
appreciated.   5

                          Sincerely,

                          Jake Feinler
                          Coordinator, Resource Notebook   6

Transmittal to Arie Shoshani

ARPA Network Information Center
Stanford Research Institute
Menlo Park, California 94025

NIC 16733
7 JUN 73

1

TRANSMITTAL TO: Arie Shoshani
                 System Development Corporation
                 Applied Research Department
                 2500 Colorado Avenue
                 Santa Monica, California   90406

2

FROM: Jake Feinler [SRI-ARC]
                 Coordinator, Resource Notebook

3

Enclosed is a DRAFT copy of the writeup for your site. Please make
the necessary corrections, fill out missing sections, and return the
writeup to me as soon as possible for inclusion in the Resource
Notebook.

4

We are particularly interested in filling out the section on user
programs since many users are asking what programs are available on
the Net. Any help you can give us along these lines will be
appreciated.

5

                        Sincerely,

                        Jake Feinler
                        Coordinator, Resource Notebook

6

Transmittal to Station Agents -- 87   NIC 16736
Jeanne North   10 JUN 73   1

                                                                              1a

Enclosed: 1b

    NIC 14922 *NWG/RFC #477   Remote Job Service at UCSB; Mark
                Krilanovich (UCSB).   1b1

    NIC 16159 *NWG/RFC #508   REAL-TIME DATA TRANSMISSION ON THE
                ARPANET; Larry Pfeifer (UCSB).   1b2

    NIC 16442 *NWG/RFC #511   Enterprise Phone Service to NIC from
                ARPANET Sites;   Jeanne North (SRI-ARC).   1b3

    NIC 16443 *NWG/RFC #512   MORE ON LOST MESSAGE DETECTION;   Wayne
                Hathaway (AMES-67).   1b4

                                                                              1c

*sent to Liaisons   1d

MLK/kk   2

16736 Distribution
    Station Agent, Michael D. Kudlick, James E. (Jim) White,

TRANSMITTAL TO: James A. Blumke

TRANSMITTAL TO: James A. Blumke
                   Mail Station #8301
                   Sperry Univac
                   P.O. Box 3525
                   St. Paul, Minnesota 55165

FROM: Marcia Keeney (NIC)
                   Station Agent   1

Your name was entered today in the IDENTFILE of the Network
Information Center. Enclosed is a copy of that entry. It will
appear as such in the next update to the Network Directory (NIC
5150). If anything in the entry is incorrect, please notify Marcia
Keeney at the NIC and she will correct it.   1a

MLK/kk   1b

TRANSMITTAL TO: Joel M. Winett

TRANSMITTAL TO: Joel M. Winett
                  Massachusetts Intitute of Technology
                  Lincoln Laboratory
                  244 Wood Street
                  Lexington, Massachusetts 02173

FROM: Marcia Keeney (NIC)
                  Station Agent   1

At your request, I am sending NIC 14661 and NIC 14644.   1a

MLK/kk   1b

TRANSMITTAL TO: Jim R. Fisher

TRANSMITTAL TO: Jim R. Fisher
                  Naval Research Laboratory
                  Code 8103
                  Washington, D.C. 20375

FROM: Marcia Keeney (NIC)
                  Station Agent   1

Your name was entered today in the IDENTFILE of the Network
Information Center. Enclosed is a copy of that entry. It will
appear as such in the next update to the Network Directory (NIC
5150). If anything in the entry is incorrect, please notify Marcia
Keeney at the NIC and she will correct it.   1a

MLK/kk   1b

TRANSMITTAL TO: Kenneth N. Wexler

TRANSMITTAL TO: Kenneth N. Wexler
                   Psychology Dept.
                   University of California
                   Irvine, California 92664

FROM: Marcia Keeney (NIC)
                   Station Agent   1

Your name was entered today in the IDENTFILE of the Network
Information Center. Enclosed is a copy of that entry. It will
appear as such in the next update to the Network Directory (NIC
5150). If anything in the entry is incorrect, please notify Marcia
Keeney at the NIC and she will correct it.   1a

At the request of Ted Strollo, your name has also been added to the
SUR group distribution list. Enclosed are all back SUR notes (1-86)
except those which are obsolete or were never issued. You will
receive any future notes as they are distributed.   1b

MLK/kk   1c

1

TRANSMITTAL TO: Leonard B. Fall

TRANSMITTAL TO: Leonard B. Fall
                   Wright-Patterson Air Force Base
                   4950/ADDO
                   Ohio 45433

FROM: Marcia Keeney (NIC)
                   Station Agent   1

Dear Mr. Fall: 1a

We have received notice that your office is now an Associate on the
ARPA Network. As such, you will be receiving documents on
distribution from the Network Information Center (NIC).   1b

We are sending you a core collection of existing documents, including
the following Functional Documents for which we will provide updates: 1c

    NIC 5145   Current Catalog of the NIC Collection   1-DEC-72
    NIC 5150   Current Directory of Network Participants   29-JAN-73
    NIC 7590   Network Information Center User Guide   2-MAR-73
    NIC 7104   Current Network Protocols   10-MAY-73   1c1

NIC 6740 Network Resource Notebook is being printed and we thus have
no copies now on hand. I will send you a copy as soon as they are
ready, probably in several weeks.   1d

We are also sending you a number of documents which you may need as
background (see list below).   1e

We will be glad to supply copies of particular documents indicated by
a back arrow in the Catalog Listings, and will loan or direct you to
sources of other documents in the Listings.   1f

Marcia Keeney, our Station Agent, accomplishes NIC distribution, and
has now put you on distribution for all documents sent to Site
Liaisons.   1g

c: S. Crocker (ARPA)   1h

encl: 1i

    NIC   7542
    NIC   7750
    NIC 10507
    NIC 11681
    NIC 12324
    NIC 11626
    NIC 11768   1i1

TRANSMITTAL TO: Franklin Kuo

TRANSMITTAL TO: Franklin Kuo
                  University of Hawaii
                  Department of Electrical Engineering
                  2565 The Mall
                  Honolulu, Hawaii   96822

FROM: Marcia Keeney (NIC)
                  Station Agent   1

New members in the INWG group receive background documents thought to
be useful to the INWG members. They are as follows: 1a

    NIC 7104 Current Network Protocols
    NIC 9926 A Proposed Experiment with a Message Switching Protocol
    NIC 10510 Function-Oriented Protocols for the ARPA Computer
    Network
    NIC 11626 Improvements in the Design and Performance of the ARPA
    Network   1a1

TRANSMITTAL TO: Robert C. Clements

TRANSMITTAL TO: Robert C. Clements
                   Bolt Beranek and Newman Inc.
                   50 Moulton Street
                   Cambridge, Massachusetts 02138

FROM: Marcia Keeney (NIC)
                   Station Agent   1

At your request, I am sending the TNLS scenario and Primer and a TNLS
Quick Reference Card (NIC 14796).   1a

MLK/kk   1b

16755 Distribution
Station Agent,

TRANSMITTAL TO: Robert C. Clements

(J16755) 14-JUN-73 18:45;   Title: Author(s): Marcia Lynn Keeney/MLK
; Distribution: /SA ; Sub-Collections: NIC ; Clerk: KIRK ;

TRANSMITTAL TO: Jim Calvin

TRANSMITTAL TO: Jim Calvin
                  Case Western Reserve University
                  10900 Euclid Avenue
                  Cleveland, Ohio 44106

FROM: Marcia Keeney (NIC)
                  Station Agent   1

At your request, I am sending the TNLS scenario and Primer and 4 TNLS
Quick Reference Cards (NIC 14796).   1a

MLK/kk   1b

16756 Distribution
    Station Agent,

TRANSMITTAL TO: Jim Calvin

(J16756) 14-JUN-73 18:48;   Title: Author(s): Marcia Lynn Keeney/MLK
; Distribution: /SA   ; Sub-Collections: NIC   ; Clerk: KIRK   ;

TRANSMITTAL TO: Nancy J. Neigus

TRANSMITTAL TO: Nancy J. Neigus
                  Bolt, Beranek and Newman
                  50 Moulton St.
                  Cambridge, Mass. 02138

FROM: Marcia Keeney (NIC)
                  Station Agent   1

At your request, I am sending NIC 6025, 12289, 12290, 12291, and
12292. NIC 6853 is too large for us to reproduce; I suggest you
contact them for this document.   1a

MLK/kk   1b

16757 Distribution
   Station Agent,

TRANSMITTAL TO: Nancy J. Neigus

(J16757) 14-JUN-73 18:49;   Title: Author(s): Marcia Lynn Keeney/MLK
; Distribution: /SA ; Sub-Collections: NIC ; Clerk: KIRK ;

Transmittal to Station Agents -- 88   NIC   16760
Jeanne North   21 JUN 73   1

                                                                        1a

Enclosed: 1b

    NIC 16444 *NWG/RFC #513   COMMENTS ON THE NEW TELNET
              SPECIFICATIONS;   Wayne Hathaway (AMES-67).   1b1

    NIC 16855 *NWG/RFC #521   Restricted Use of IMP DDT;
              A. McKenzie [BBN-NET].   1b2

                                                                        1c

*sent to Liaisons   1d

MLK/kk   1e

16760 Distribution
    Station Agent, Michael D. Kudlick, James E. (Jim) White,

1

(J16760)   13-JUN-73 12:46;   Title: Author(s): Jeanne B. North/JBN   ;
Distribution: /SA   MDK   JEW   ; Sub-Collections: NIC   ; Clerk: KIRK   ;

RADC JOURNAL CATALOG

A catalog of RADC journal items from Apr 71 to the present has been
prepared and is to be found in the directory, catalog, as the
following: 1

                                                                        1a

   (catalog, radcjaincnl, entry)   1b

   (catalog, radcjnincnl, entry)   1c

   (catalog, radcjtafincnl, entry)   1d

   (catalog, radcjtgoincnl, entry)   1e

   (catalog, radcjtpzincnl, entry)   1f

                                                                        2

The branch, entry, contains an explanation of how the index is to be
used.   3

                                                                        4

The nomenclature scheme for the titles is as follows: 5

                                                                        5a

   radc   --   subcollection   5b

   j   --   journal entries   5c

   a   --   author   5d

   n   --   number   5e

   taf   --   titleword from a to f   5f

   tgo   --   titleword from g to o   5g

   tpz   --   titleword from p to z   5h

   inc   --   incremental   5i

   nl   --   online   5j

                                                                        6

The current scheme is to update this collection monthly and publish

RADC JOURNAL CATALOG

it on or before the 5th day of the following month.

7

When the printer at RADC is operational the plan is to forward a text
file in addition to the online file. Its nomenclature will be of the
form radcjxop, where op is for output processor or print file and x
is for any of the index options, a, n, etc.

8

Until size becomes a problem, or othewise, all files pertaining to
the RADC catalog collection wll be contained in the directory,
catalog.

9

Please address pertinent comments, suggestions, etc. to me, bah.   10

16763 Distribution
   James C. Norton, Dirk H. Van Nouhuys, Beauregard A. Hardeman, Duane
   L. Stone, James H. Bair, John L. McNamara,

1

TABS Don't Work in TNLS Still/Again/Today

I hate to intimate that Tabs aren't working properly in TNLS, but
that appears to be the case The actual position at which the tab
stops take effect seems to be a semi-random function of the actual
tabstop settings -- changing the tabstops to y1,y2,y3,... from
x1,x2,x3,... and then back to x1,x2,x3,... produces actions different
than you get if you leave the settings at x1,x2,x3,... all along.   1

16764 Distribution
    Diane S. Kaye, Harvey G. Lehtman, Charles H. Irby,

1

review of log of my visit

if three lines of 3C6 of your log was the end, then it looks ok. if
not then i'll have to look when i get back from travel. see ya.   1

16765 Distribution
    Douglas C. Engelbart,

Novice Expert Review Team Meeting

There will be a meeting of the Novice Expert Review Team on Thursday,
May 24th, at 10:00 a.m. in EKM's office. The list of items to be
reviewed is contained in <IJOURNAL> 16627.   1

16766 Distribution
    Richard W. Watson, James E. (Jim) White, Charles H. Irby,

Group t Allocation Review Team Meeting

There will be a meeting of the Group Allocation Review Team on
Friday, May 25, at 9:00 a.m. in EKM's office.   The file <WALLACE>
Group-Allocation.Design outlines the implementation design and
presents a list of unresolved questions for our review.   1

16767 Distribution
    James C. Norton, Paul Rech,

The New Substitute Command

I like the feature in the new substitute command that allows for
multiple executions of the command after the final command accept.   1

16768 Distribution
    Charles F. Dornbush,

Dornbush's comments on optimization of MPS procedure call/return
mechanisms prompted the following thoughts: 1

    (1) a really important procedure can often be turned into a
macro, or into a combination macro/procedure -- the common
cases generate in-line code to do the operation, and the
uncommon ones generate in-line code to call a procedure (note
that the procedure can be somewhat simpler since it is only
called for certain cases, namely those for which in-line code
is not sufficient).   1a

    (2) MPS has FORTRAN-like procedures by default -- they are
called processes; so, where recursion cannot be a problem (as
in a procedure which calls no other procedures), the
activation record for the procedure need only be allocated
once.   1b

    (3) I do not believe that the fact that a procedure takes 0 or
1, or some specific number of arguments will help much in the
MPS control structure model, although, if it returns no
arguments, that can be optimized since there is no return
record to discard.   1c

    (4) It is probably woth much more to be able to readily
measure a system and alter it than it is to have some
subclass of procedure calls be 1.5 microseconds faster.   1d

16769 Distribution

Charles H. Irby, Charles F. Dornbush, James G. Mitchell, William H. Paxton, L. Peter Deutsch, Donald C. (Smokey) Wallace, Ed H. Satterthwaite, Walt Bass, Don I. Andrews, Paul Rech,

inwg meeting in n.y.

to vint cerf.
thanks for inwg note 28, unfortunately i will not be able
to attend this session of the inwg meeting, as the powers that
be are sending me to the "first canadian conference on computer
communications" in ottowa.
i hope the meeting will be productive and that i will be able to make
a contribution at the next session.

      cheers

        keith sandum   1

16770 Distribution
    Vinton G. Cerf,

Me and My Future

I will be taking finals from 6/11 to 6/15 and so not available for
work that week.   1

If acceptable to all concerned, I would like to work a regular forty
hour week for my summer vacation, beginning June 18.   2

I expect to return to Berkeley (and this same apartment) next fall.
I would very much like to continue then as we have these last nine
months. I will be keeping this apartment for the summer.   3

   If the phone can be put on some sort of "vacation" rate for the
   summer and cheaply reconnected next fall, that would be ideal.
   That possibility was one consideration in keeping the apartment
   for the summer.   3a

Working for you these last nine months has been a very rewarding
experience for me. I'm looking forward to spending my summer with
you; please let me know your feeling on the subject.   4

                                    Dean   5

16771 Distribution
    Douglas C. Engelbart, Richard W. Watson, James C. Norton, Walt Bass,
    Dirk H. Van Nouhuys,

BUG in Update File Command -- DNLS with Screen Split

Here's an esoteric bug for you (described as closely as I can figure
it).
When you do an Update (file) in DNLS with the screen split, the
default name given you (the first try every time -- i.e.,
REPEATABLE) is NOT the name of the file in the window where the bug
is resting, but the name of the file in the window in which the LAST
PREVIOUS bug MARK was made. If you command delete out of this error
condition and try the update again, it will work properly.

Really.

-- Walt   1

16772 Distribution
     Diane S. Kaye, Harvey G. Lehtman, Charles H. Irby,

1

Correction to Previous Message Re BUG in Update File Command

Correction: it is not necessary for a bug mark to have been made to
foul up the Update command, only for the mouse coordinates to have
been read from a different window just prior to specification of the
Update.   1

16773 Distribution
    Diane S. Kaye, Harvey G. Lehtman, Charles H. Irby,

1

JCN reaction to (16771,) re Dean Meyer SUmmer Status

In regard to Dean Meyer's request for summer full time employment: I
vote yes. He is a valuable man and even though we are not sure of the
funding level quite yet, the increase would not be great from a cost
standpoint.. and he can really contribute. I get the feeling I am
voting for development, however..tho he may be doing some operations
things. How do you guys feel? We owe him an answer to (16771,1) right
away so he can plan. Jim   1

16774 Distribution
    Richard W. Watson, Douglas C. Engelbart,

BUG in TNLS Output Device COM Directory Specification

Reported by NDM.

BUG in TNLS Output Device COM Directory Specification

Someone has changed the running NLS so that in TNLS Output Device COM
puts files into the PRINTER directory rather than the COM directory.
This is rather serious since COM formatted files will not make ANY
sense to the printer driver and will become lost to COM as well.
DNLS Output Device COM still works. -- Walt   1

16775 Distribution
   Diane S. Kaye, Harvey G. Lehtman, Charles H. Irby, Kenneth E. (Ken)
   Victor, James E. (Jim) White, Charles F. Dornbush, Elizabeth K.
   Michael, Jacques F. Vallee, James G. Mitchell, L. Peter Deutsch,
   Diane S. Kaye, Don I. Andrews, Walt Bass, J. D. Hopper, Charles H.
   Irby, Harvey G. Lehtman,

Keeping ISI in Tapes

I got this sndmssage from John. We sent half a douzen tapes to Jerry
Pipes yesterday.   1

22-MAY-73 12:10:24,197

Date: 22-MAY-73 1210
From: melvin
- - - -
dirk, sorry i was too salty last night.....please get directly in
touch wilth pipes about getting a few tapes for ddsi, etc.
/john

2

16776 Distribution
   N. Dean Meyer, Walt Bass,

memo to the sri tourist bureau( )

memos are arriving in hawaii at a tremendous rate, harvey. one a day
for the past 1 days actually, i just got your mmessage and am
attempting a reply, except if i hit a carriage return, i'm afraid
i'll end the insert mode..... tourist traffic to hawaii does pick up
a bit in the summer time, with enrollment at the uh increasing from
18,000 to about 25,000 for summer school. most of the increase is
female.   camping can be arranged for oahu or any of the outer
islands. you can also plan to spend some time at my place if you
want.keep us in mind. i'm going to try a control-v carriage ret to
see if i can sneak one in, but if it doesn't work, goodbye.
     (it worked)   john   1

1

16777 Distribution
   Harvey G. Lehtman, John Davidson,