.A-/...

User Feedback Decisions leading to NLS-8.1

(J24051) 24-SEP-74 23:37;;;;;   Title: Author(s): ARC FDBK
Feedback/FDBK; Distribution: /SRI-ARC([INFO-ONLY]) KWAC([INFO-ONLY
]) ; Sub-Collections: SRI-ARC KWAC; Clerk: KIRK;   Origin: <
FEEDBACK, FDBK,NLS;200, >, 24-SEP-74 20:39 KIRK ;;;;####;

User Feedback Decisions leading to NLS-8.1

Introduction, Assumptions, Decision Algorithm   1

   Assumptions and Goals: 1a

      This file was created as part of an attempt to develop a
      methodology for collecting, storing, retrieving, analyzing, and
      making decisions concerning user feedback. This methodology
      has not been finalized but is described in its present form
      below.   1a1

      It has generally been observed that a "suggestion box"
      capability is needed to take advantage of user feedback that
      will allow the user to be easily informed of the status of his
      suggestion and to provide some scales of measurement for
      analysis and development decisions. The algorithm below is a
      way of augmenting this process with the specific intent of
      avoiding any extra burden on the already over-burdened people
      involved.   1a2

      There are several steps in the following algorithm. These have
      been customized for the internal ARC feedback process
      concerning software development and documentation. However,
      they could be generalized for any development group that wishes
      to augment their feedback process.   1a3

      Each Development group could have it's own feedback ident,
      sndmessage directory, decision file, and person responsible for
      coordinating the file. For example: 1a4

      GROUP   COORDINATOR IDENT(S) FILE   SNDMSG DIRECTORY

      NLS DEVELOPMENT JOAN   FDBK   <FEEDBACK,FDBK,>   FEEDBACK@SRI-ARC
      USER DEVELOPMENT JHB   FEED   <FEEDBACK,FEED,>
      FEEDBACK@OFFICE-1
      NIC DEVELOPMENT JAKE   NIC   ?   1a5

      If one group is sent an item which does not belong to that
      group, the feedback coordinator would be responsible for
      forwarding the item to the proper group.   1a6

      A central Query Database could provide places from which any
      user could access the decision file to determine the status of
      his suggestion or to automatically express his opinion (via the
      Insert Opinion command described below) concerning a
      development thrust as depicted by a decision file.   1a7

      An ANALYSIS team uses the decision files to analyze the
      feedback and make recommendations.   1a8

It is assumed that the process of organizing, analyzing, and keeping track of user feedback, bugs, needs, possibilities, and thinkpieces is important enough to the decision process in a living system to warrant the allocation of the necessary initial setup and continuing maintenance time,   1a9

Algorithm for the NLS Software Development And Utility User Development Feedback Mechanism: 1b

USERS: 1b1

Send comments through SNDMSG to FEEDBACK@SRI-ARC or send them through the Journal to the ident: FDBK,   1b1a

Utility members send comments to their architect, who will forward them, or send them directly to ident FEED or through SNDMSG to FEEDBACK@OFFICE-1, An architect can send things to be shared by other architects to KWAC,   1b1b

Review the newly updated Future Needs & Possibilities branch when sent (see last step), They send their opinions to FDBK, use the "Insert Link" command or use the Insert Opinion Command (see SOFTWARE below),   1b1c

FEEDBACK COORDINATOR periodically (weekly):   1b2

Forwards items that belong to other groups to the appropriate ident,   1b2a

Reviews the Unclassified Items branch in <FEEDBACK>FDBK and makes an attempt to move bugs, trivia, Needs and Possibilities, and implemented items to the appropriate places and consolidates duplications,   1b2b

Prints out (or otherwise gives to DEVELOPMENT) the BUGS and ACCEPTED TASKS branches,   1b2c

NLS SOFTWARE DEVELOPMENT: 1b3

Once a week, or as provided by the Feedback Coordinator, reviews each item in the BUGS and ACCEPTED TASKS branches, and marks it as   1b3a

Future NP
Done
Rejects it or
Assigns it to an implementer,   1b3a1

* Moves marked items to their assigned branches in FDBK,   1b3b

Bug reports which are not clear enough should be rejected
and the sender informed.   1b3b1

[An optional step depending on the available time
allocated for Feedback purposes would be to forward this
current status information to the user(s) who made the
suggestion.]   1b3b2

[* items to be completed by the Feedback coordinator.]   1b3b3

Updates the Accepted tasks branch in the Feedback file to
contain the current NLS implementation categories with the
ident of the implementer responsible for each category.   1b3c

To items moved into the DONE branch, adds any changes made
that are different from or not included in user feedback
with descriptions sufficiently accurate for the documenter
to document them. Note: if an implementer makes a change in
the system and does not somehow get it represented in the
DONE branch, IT WILL NOT BE DOCUMENTED.   1b3d

Notifies the Feedback Coordinator when bringing up a new
system.   1b3e

After bringing up a new version of NLS, reviews each item in
it's Future Needs & Possibilities branch and either   1b3f

    confirms its current position,
    moves it to a more appropriate place,
    rejects it, or
    assigns it to an implementer.   1b3f1

ANALYSIS: 1b4

Analyzes information in FDBK and integrates it with other
data for the purpose of making suggestions to operations,
NIC, user-development, help-development,
software-development, and analysis and for determining
problem areas to be followed up with further studies.
Analyzes feedback mechanism for possible improvements.   1b4a

DOCUMENTATION: 1b5

Checks the Help System branch under Accepted Tasks and
implements or rejects suggested changes.   1b5a

Periodically checks for new items in Done Branch, moves each
item out of the branch into the Documented branch, and

updates the documentation if necessary, <See --
documentation, manual,>,   1b5b

FEEDBACK COORDINATOR for each new version of NLS: 1b6

Places items in each development area in the Future Needs &
Possibilities branch in a suggested order of execution as
directed by ANALYSIS supported by analysis' data and
suggestions if any,   1b6a

Whenever a new version of NLS comes up, the feedback
coordinator journalizes the entire feedback file at this
time for posterity and to save space by sendmailing a link
to the updated Future Needs & Possibilities branch to
interested users filling out the proper NLS version number
in the following form: 1b6b

TITLE: User Feedback Decisions leading to NLS-8,1
AUTHOR(S): FDBK
DISTRIBUTE FOR INFO-ONLY TO: SRI-ARC KWAC
FILE: <feedback,fdbk,>

COMMENTS: This document contains the status of user
feedback decisions for NLS-8,1. It is over 100 pages
long, we advise you NOT to print it. Read it online.
For the new features and bug fixes, see the Documented
branch. For those suggestions that have been rejected,
see the Rejected branch. The items scheduled to be done
in the next version are in <NLS,MODS>. Those items
which remain as Needs & Possibilities are in
<feedback,fdbk,future>,

                                                               1b6b1

After journalization, items for that NLS version in the
Executed and Rejected branches are deleted and the link in
the branch statement for these branches is updated to point
to the newly journalized version,   1b6c

Very old Future NP items should be verified with their
suporters to determine if they are still desired,   1b6d

SOFTWARE to augment this Algorithm: 1c

Insert Opinion B/A: (in favor?) Y/N: OK:
This command would be in the readmail subsystem and would allow
anyone to insert their initials in front of an item classified
in FDBK independent of whether they have write access, A minus
sign would preceed the idents of those that said "no",   1c1

User Feedback Decisions leading to NLS-8.1

The Insert Link command in Sendmail subsystem should be implemented to allow anyone to use it on an item classified in FDBK independent of whether they have write access.

Complete Feature B/A (exactly as stated?) Y/N: OK:
This command would move an item specified by an implementer from the implementer's "to do" branch to the appropriate catagory in the Implemented branch in FDBK to be documented.

Author: announcements of old versions of feedback

First journalized fdbk file -- <24048,>

Unclassified Items

Journal (Sendmail and Message items)

KIRK 24-SEP-74 15:30   24043
Bug with move file in NLS
Message: When using the move message command, I get the message
File Not Online ... Copy message works fine. NDM says the
problem is a bug in the Move file command in nls that occurs
with TXT files. Is this true? If so, will you (Ken) be fixing
it?
*****Note: [INFO-ONLY] *****

2a1

JHB Notes from Laura Gould Visit 24 June 1974 (Visitlog)
1-JUL-74 18:25 (GJOURNAL, 23503, 1:w)
*****Note: [ACTION] *****

2b

Comments: These notes are colored by my interests, rough but
readable, and hopefully contain those suggestions that will be
useful in the development of NLS.   2b1

Notes from Laura Gould Meeting, 24 June 1974   2b2

Seminar included discussion of three areas concerning the
CAI NLS Project , "Mixed Intivie Tutorial Sysytem to Aid
Users of the On-Line System". Contracted by The Deputy for
Command and Management Systems, ESD, USAF (Dr. Mayer).   2b2a

Overview of the Primer (...see hardcopy):   2b2b

3 Units (chapters) or "lessons" which are roughly
estimated to take about 1.5 hours each;   2b2b1

13 demo tasks run by the simulator;   2b2b2

An Agenda program drives Scholar (not sure why that's
significant...);   2b2b3

It has the question mark facility.   2b2b4

Student tasks: 2b2b5

   Student performed tasks are evaluated -- task
evaluator which references to a preferred command
sequence;   2b2b5a

   Has hierarchy of tasks;   2b2b5b

   references to kinds of questions the student asks,
noting the knowledge necessary to answer;   2b2b5c

Question-answering system: 2b2b6

   Natural language -- comfortable subset of English,
uses dynamic parsing;   2b2b6a

   Data Base which includes the structured facts
encompassing 90% of the Primer (see listing of Data
Base);   2b2b6b

   Instantiation -- will do natural language command that
is discussed or introduced by the student. In
general, the simulator, written in LISP, can perform
90% of the NLS commands.   2b2b6c

Primer deals with NLS divided into subsystems, eg. file
handling.   2b2b7

Does not provide for different groups of students, no
facility for skipping ahead over material that is known a
priori.   2b2b8

   Also "secretive", that is about not introducing
commands, many of which represent short cuts, until a
later session could conceivably cause bad
feelings..."why didn't it show that before...."   2b2b8a

Recognition issue: 2b2c

LEG advocates DEMAND, not fixed anticipatory as we do,   2b2c1

because of the nmumonic value of typing up to a certain
(comfortable) point, maybe even the whole command word,

and the CONTROL of recognition (system doesn't take off
and do something until the student is ready,**)   2b2c2

Recommendations (in addition to the recognition mode):   2b2d

Explicitly terminate the L: prompt field with CA, whether
Null or not;   2b2d1

Print file command instead of Print only, This would not
move the CM but would Print File from origin with basic
default viewspecs (all, all, m,,,);   2b2d2

Print Rest command was cited (CHI) as improvement over
the current Print only, which doesn't have a noun field,   2b2d3

LEG's comment in the context of training and introducing
NLS to new users: "Need subset of NLS,"   2b2d4

NO C: prompt for the first 2 fields: "What else can you
type after the the herald?" Also, F: for filename rather
thn T:,   2b2d5

"Noise words more helpful than prompts",   2b2d6

HELP data base not comprehendable, gave example of
response to question about address, (Show Address,,,)   2b2d7

JHB Questions   2b2e

Suggestions for explaining plex,   2b2e1

Reference book,,,necessary??   Yes, of course,   2b2e2

Ideas about test of NLS skill level,,,user assessment,   2b2e3

Graduated levels of NLS with restricted command set
availabilty,,,first cut of this was given to her, Her
response was favorable, She recommended the addition of
markers and intoducing SIDs a little earlier in the
progression,   2b2e4

Citations w/o suggestions   2c

MDK A suggestion on NLS File Structure, with Application to
Back-Links and Output Processor Directives
27-NOV-73 10:36 (IJOURNAL, 20574, 1:w)

                                                                2c1

KIRK Proposed system using two viewspecs to view warps (text

specified by a link instead of link syntax),
13-JUL-73 20:46 (LJOURNAL, 17811, 1:w)

2c2

JEW Helping the User Keep Track of NLS Changes %NLS release
date - date of last NLS load - file of changes loaded
automatically%
11-MAY-73 13:52 (IJOURNAL, 16376, 1:w)

2c3

JAKE Column manipulation
13-SEP-73 11:29 19059   2c4

JEW Proposal for a New Family of NLS Editing Commands
23-OCT-73 12:49 (LJOURNAL, 19830, 1:w) %justifying text string
lengths% (19869,) (JBN) (17867,) (RLL)

2c5

KIRK Two suggestions for handling statement names in NLS
superdocuments that must live in TENEX file structure,
%informaton preceding directory name in ORIGIN statement should
be saved - forget 2nd part%
14-DEC-73 12:03 (MJOURNAL, 20903, 1:w)

2c6

RLL re: new text string - remarks %remarks that wouldn't
appear when file is printed - alternate to 19557)%
15-NOV-73 08:27 (IJOURNAL, 20258, 1:w)

2c7

RLL margin note addition to nls %non-printing remarks%
8-OCT-73 18:09 (KJOURNAL, 19557, 1:w)

2c8

JCN Response to JI Proposed NLS Features: Meta nls and Output
Nls (20028,) and (20027,) %supports%
3-NOV-73 09:01 (LJOURNAL, 20031, 1:w)

2c9

JI G[oto] M[eta] N[ls] %repetitive tasks%
3-NOV-73 03:57 (LJOURNAL, 20028, 1:w)

2c10

JI O[utput] N[ls] %to get rid of OP directives%
2-NOV-73 23:41 (LJOURNAL, 20027, 1:w)

2c11

Bugs: see <nls,mods,bugs>   3

User Feedback Decisions leading to NLS-8.1

Questions to Answer   4

Praise   5

Things that work impresssively well: show also, (I think this is
the ideal structure for escaping treeism), show <words> makes
remarkably intelligent guesses, but it can also send you off into
left field. The "Q function is implemented beautifully, the "Q
in the
middle of an editor command getting you help is quite impressive,
(Especiaslly when it gets you some help that you want),
The HELPs themselves are rather well written in most places that
they are "finished". (RICART)   5a

KIRK 13-MAY-74 17:27   22983
Praise for the Feedback system
Message: I think the way Susan has been handling the NLS feedback
is excellent. This is something we should have had long ago and I
hope it becomes an established procedure for the future. It is
all too easy to take for granted necessities that aren't apparant
because they are working as they should. Let's not let this one
go by the wayside after the newness of the new NLS wears off.
*****Note: * action * *****   5b

 1-APR-74 1828-PDT BECK: Praise to Allah the HELP programmers
    Distribution: FEEDBACK
    Received at: 1-APR-74 18:28:21   5c

    When I am busily constructing networks in the HELP Database (in
    New NLS) and want to check how my links work, I can immediately
    do a <control-q>, one show command to get to the branch I was
    working on and then step through the menues I have just created
    just as a HELP user would, do a Quit, and PRESTO! I'm back
    where I was in Editor, editing the file again.   Very Nice,   5c1

 17-FEB-74 1700-PDT KELLEY: Praize for the way level indenting
 works in xnls
    cc: irby
    Received 17-FEB-74 17:00:11   5d

    I just used 21 levels with viewspecs 1 and B in <continuum,sri>
    and they worked fine. When I turned off B, it worked fine
    also. Things like this which seem primarily database oriented
    and not document production or software production oriented are
    rare so I really appreciate one when it comes along. It makes
    me very happy. Thanks,
    -- Kirk   5d1

User Feedback Decisions leading to NLS-8.1

    JMB 17-DEC-73 11:31   20929
    new TNLS
    Message: I like what Delete File does; ie, prints--
    "Deleted Files are:
        (beck, dodad,nls;1,) and its partial copy"
    Good Work!

                                                                        5e

    KIRK From-To feature in the Move and Copy commands,   5f

    KIRK Ability to bug with the Insert command,   5g

    KIRK All of the directory commands from NLS,   5h

Rejected Suggestions
For rejected suggestions prior to May 1, 1974, see (MJOURNAL,22906,)   6

    KIRK 21-SEP-74 16:11   24021 This will not be done as it is a
    problem peculiar to taskers
    bug with displaying spaces in the seventy-second character
    position when invisibles are turned on,
    Message: no space is displayed,
    *****Note: [ACTION] *****

                                                                        6a

        KIRK 21-SEP-74 16:14   24022
        followup on space display bug
        Message: The problem is when bugging that space, the bugmark
        does not appear,
        *****Note: [ACTION] *****

                                                                        6a1

    DHC go away, directive, you bother me,
    24-APR-73 10:52 16101 Message:
     As nice as signature information is, on statements, it would be
    even nicer to have a viewspec/directive to show only the date from
    that information, The date, of the date, time and ident-of-creator
    is easily the most useful,

                                                                        6b

    ADD Suggestions
    4-JAN-74 23:41 21295 Message:
     I think NIC/QUERY should implement "w and <esc> and "R (at least
    the last) when typing the object of show. I also think NLS should
    implement "G as and "S and "R when entering text, more or less as
    in SNDMSG, although some sort of accomodation for the fact that
    <cr>'s are not normally put into statements would be necessary,   6c

    DHC

24-APR-73 10:55 16102 Message:
The insert date command saves the user from remembering and
typing any specific date, but requires execution of a separate
command. It would be much better to be able to enter the date
naturally, while entering text. Perhaps a control character could
be reserved for that, and put under the same user control as ˆD,
ˆX, etc (echoing, selection of character, etc.)

6d

DIA Suggestion: I'd like to be able to save views
3-JAN-73 10:58 13664 Message:
When romping through a large and unfamiliar file, I often have
the urge to get a handle for a view -- i.e. i want to do a jump
return to a particular place I once was, but which is no longer in
the jump stack. This happens when I'm reading a file, and don't
what to do any kind of a write. How about letting a user give a
name to a jump stack type entry and save it away. It would be
associated with the file, but would be local to the user and not
part of the file. They would go away when the file was closed.

6e

CONFIRM in the Goto and in the Execute commands should be
conistent (none necessary!). (22060,) (KIRK)

6f

3. The Editor subsystem contains far too many commands, resulting
in unecessary alphabetic conflicts. (23116,) (MDK)

6g

In reality the presently implemented Editor subsystem seems to
me to encompass AT LEAST three subsystems: an EDITOR, a
FILE-handler, a TERMINAL-handler; and possibly also (depending
on your viewpoint) a TELeCONFERENCING handler, and a
HARDCOPY-OUTPUT handler.

6g1

I suggest the present editor subsystem be subdivided as shown
below (I hope I haven't missed any commands; if so, I hope it
will be obvious where they would go in this scheme).

6g2

Note that a few commands are common to more than one of the
subdivisions, for ease of use. (I feel no esthetic or
philosophical conflict in that approach.)

6g2a

Editor:

6g3

append string / structure
break   " "
copy   " "
delete   " "
insert   " "

6g3a

```
        move        string / structure
        replace        "   "
        substitute     "   "
        transpose      "   "                                          6g3b

        freeze      statement / branch / group / plex
        release     statement / branch / group / plex / all           6g3c

        jump (as presently implemented)
        load file
        renumber sid's
        update                                                        6g3d

        set    case / filter / name-delimiters / viewspecs
        reset       "   "
        show        "   "                                             6g3e

        sort
        merge                                                         6g3f

        print
        output quickprint                                             6g3g

        execute
        goto
        help
        quit                                                          6g3h

    File Handler:                                                     6g4

        archive file
        copy  file / directory / sequential / archive
        create file
        delete  file / modifications
        expunge  directory / archive                                 6g4a

        load file
        move file
        protect file
        retrieve file
        trim directory                                               6g4b

        connect directory                                            6g4c

        set    archive / link-default / name-delimiters / temporary
        reset     "   "
        show      "   " / directory / file-status / disk-space        6g4d

        set    private / public                                      6g4e
```

```
        sort
        merge                                                         6g4f

        undelete  file / modifications
        verify file                                                   6g4g

        freeze    statement / branch / group / plex
        release   statement / branch / group / plex / all
        renumber sid's                                                6g4h

        jump
        execute
        goto
        help
        quit                                                          6g4i

    Terminal Handler:                                                 6g5

        clear window
        split window
        simulate terminal
        move boundary                                                 6g5a

        set   tty-window / char-size
        reset  " "                                                    6g5b

        execute
        goto
        help
        quit                                                          6g5c

    Hardcopy Output Handler (or, possibly a part of the
    File-Handler):                                                    6g6

        output assembler / COM / journal / printer /
               quickprint / remote / sequential / terminal
        print                                                         6g6a

        set    viewspecs / name-delimiters
        reset     " "
        show      " "                                                 6g6b

        jump
        execute
        goto
        help
        quit                                                          6g6c

    Teleconference Handler:                                           6g7
```

            start recording session
            stop recording session
            playback recording session   6g7a

            accept connection
            connect terminals
            disconnect terminals   6g7b

            link terminals   (not presently implemented in NLS)
            break links   " "   6g7c

        Universal commands   6g8

            help (getting you to a relevant place in the HELP data
            base)   6g8a

            set   (with operands appropriate to the subsystem)
            show   " "
            reset   " "   6g8b

            execute
            logout
            quit   6g8c

    a, some of the "current alternatives" are not implemented,   6h

        That is, of course, most frustrating when you're trying to
        learn a language that's not documented, I STRONGLY RECOMMEND
        THAT NO ALTERNATIVE BE LISTED UNDER QUESTION MARK UNLESS IT HAS
        BEEN IMPLEMENTED,   6h1

        A side effect (a nuisance, really) is that some commands (like
        "append link") are not implemented, but the user doesn't find
        that out until he gives the terminating <CA> after typing the
        command's full syntax expression, At the least, the user
        should immediately get a "command unrecognized" response ---
        i,e,, a "?" just as if he had typed, say, "x" for a command
        word,   6h2

    RLL 11-SEP-74 09:42   23940
    Comments on new insert/delete edge commands (in work) and bugs,
    Location: (HJOURNAL, 23940, 1:w)
    *****Note: [ACTION] *****

                                                                          6i

        The word perpendicular I think is not clear to many users,
        First to the class of people not familar to this geometric term
        and second to those who are but bug some random point in the
        window, Are we to assume that the window is divided into

sections in order for the system to determine which margin edge
is used for pegging the "perpendicularness"? What is the
algorithm that determines which margin to use? I think is
would be BEST to NOT use the term and second best (at the very
least) give feedback to user asking for him to point to a
margin directly (do not accept bugs not at a margin.)   611

What ever happened to ndm's proposal on this. I think that a
better (more consistent, clearer) idea.   612

I suppose the following bugs are known (being quite apparent): 613

   Moving an edge off the window results in an empty screen
   (with the final bug (ok) in the window with an existing
   file.   613a

   If one has three windows (insert edge first vertically then
   horizontally on the right side), and then delete the edge
   between the left right windows, keeping the bug on the right
   bottm window then one still has the right bottom window.
   The left bottom "window"" remains blank due to the funny
   delete of edge.   613b

NDM 16-SEP-74 14:50   31058
Split Screen commands
Message: I think the new split screen control commands are very
poor. When I go to split my screen, I know were I want the
boundary. I don't want to have to stop and figure which
boundaries it may fall perpendicular to. Isn't much more
straightforward to say "Insert a Horizonal Boundary (or Edge if
you will) here"? As Robert said, even those of us familiar with
trigonometry found the new command non-intuitive (a euphamism).
Let me once more ask you to consider the suggestions made in
30932.

                                                               6j

   comments: Not too late to change, is it?   6j1

"FILENAME.EXT:123 cannot be opened" is the wrong message for me to
get when I try to load a file someone else has protected by
marking it 770000. 770000 means the file should not appear to the
outside world via the DIRECTORY or any other command. Someone
who's access has been restricted in this way should get the FILE
NOT ONLINE message. (22059.) (KIRK)   6k

Changing option character from <^U> to space. (22061.) (KIRK)

                                                               6l

RLL 18-JUN-74 19:41   23396

stop printing control characters:suggestion
Message: Is the control S functioning in the new NLS? also, may I
suggest a control character to stop printing remainder of branch,
that would be (I think) more meaningful than stopping statement
printing snce most statements are short and by the time one types
it the staement is done anyway, Robert,
*****Note: [ACTION] *****

6m

I think that <SP> in front of a statement name should specify
searching for "name in branch", No space specifies "jump to name
any" [which would also search any external files],   6n

I don't think this will add any confusion in explaining the DAE to
users for the following reasons: 6o

    A space preceeding a name as the first element in a DAE will
    work the same as no space except when specifying a second Group
    address parameter where the distinction will become important,   6o1

    Currently if anyone uses a naked name (no preceeding special
    character) following other addressing elements, all of the
    preceeding elements are evaluated and then ignored, wasted,   6o2

The most important reason I'm requesting the above DAE changes is
that in my work and I'm predicting, in the work of other database
builders and document referencers; "name in group" and "jump to
name external" will be more valuable than the current defaults,   6p

Already, typing ! in front of all of the second names in the help
database is an ugly pain,   6q

3) if you type rapidlu enough while inputting a literal, then
DNLS sucks up the <ca> and doesn't --- or at most subliminally
--- displays the full literal in the lit feedback window; it
simply does the intended task, This is especially annoying on a
jump to link, inserting strings, and similar tasks, (23493,) (MDK)   6r

I think "Useroptions" is a misnomer, There is confusion with the
already confusing special NLS concept of OPTIONs vs Alternatives
and besides, every parameter of every command in nls is a user
option, In other words, "Useroptions" is too general potentially
very confusing, I think the word "Profile" is much more
definitively descriptive, I like Charles' idea of renaming
Programs to be Userprograms, Not only does it read better than
"use roptions", it can provide a home for all those user programs
that currently cannot be used because they have no CML interface,
It currently requires more than twice as many steps as the old

system since you have to load and attach to the CML interface for
each one. (22175,) (KIRK)   6s

JHB 31-MAY-74 12:10   23177
New NLS bug
Message: When Jumping to file return it said "illegal statement in
file return ring". Thanks I said, How about an error msg that
tells me what to do?
*****Note: [ACTION] *****

                                                                       6t

viewspec to indicate number of lines to display   6u

    This viewspec would be similar to level and truncation, It
    would control the number of lines to be used in the window in
    question, Currently, all lines are used. I would like to
    specify the number of lines used sometimes (e.g, when I do a
    jump) and I don't want to wait for the entire window to be
    painted, This viewspec makes little sense with TASKER
    displays, but would be a boon to Lineprocessor displays,
    especially those running at less than 4800 baud,   6u1

    Suggestion: this viewspec could be controlled by digits, "1"
    for one line, "2" for two, ... "9" for nine and zero for ALL,
    These would be as inconvienent to type as upper case viewspecs,
    but I think acceptable, I don't think there is a need for the
    "+1" or "-1" features that the level and truncation have, Also,
    I don't think we have to worry about allowing the user to set
    it to more than nine lines. (16007,) (DHC - for IMNLS too)   6u2

KIRK 29-MAY-74 17:01   23157
How to waste time, cpu and paper with indenting off
Message: About 5 times a week, I have to reprint something because
I had viewspecs B, and l or g indenting off and plex or branch
only on, It looks indented in DNLS and TNLS, but is not indented
when printed, This anomaly is impossible for me to get used to,
There are three solutions that I know of, 1) make output
quickprint work like the current system, 2) Change the current
system by adding another viewspec for "left adjusted" independant
of l and g, 3) Make l and g automatically mean "left adjusted" and
capital B ALWAYS mean ALL indenting off, Number 2 seems like the
way to go, but I don't see any one doing it, I would prefer 3 to
the way it currently works if it would be easier to do than 2,
But somebody please do something, I find "left adjustment" vital
in working with highly structured files,
*****Note: [ACTION] *****

                                                                       6v

KIRK 26-FEB-74 16:17   22062

A simple system to eliminate the cludgy left justify indenting
system of plex only (l) and branch only (g) viewspecs with
indenting off (B) without adding another viewspec.
Location: (HJOURNAL, 22062, 1:w)

6w

If the current left justification resulting from branch only
and plex only viewspecs with indenting off was instead the way
l and g worked for indenting on as the default, then when
indenting was off, it would be OFF (independant of plex only or
branch only viewspecs).

6w1

The disadvantange to this implementation is outweighed by the
advantages in that if you were bothered by the resulting change
in line length, you could split the screen or set your line
length. However, under the current implementation, there is no
way at all for the user to show plex only or group only with
indenting really off. This capability is valuable to me.
However, the way branch only and plex only currently work with
indenting on is next to useless.

6w2

Also, I assume that output quickprint could then show the same
as view as the Teletype or Display.

6w3

The alternative to this is to introduce a new viewspec: Left
Justify.

6w4

Something should be done before a whole lot more links get
cluttered with capital B's, l's, and g's. (16700,) (KIRK)

6w5

-(23116,) (MDK) "freeze" and "release" have long suffered (in my
opinion) from not letting you set viewspecs "o" and "p" before
completing the command. I wish that would be implemented.

6x

Note also in my proposed categorization of current editor
commands given above, that I've recommended expanding the
freeze and release commands to include branch, group, and plex
as legitimate objects. In addition, I would recommend that
"release all" automatically result in viewspec "p" being set.

6x1

Would like to bug term and backspace (for getting different
versions of file & jumping to plurals) (KIRK)

6y

The illegal text entity message in xnls does not allow backspacing
for misplaced bugs. (22009,) (KIRK).

6z

If "directory" were an option at the source selection of the
replace command I would not have to delete plex to get rid of the
out-of-date version in my intial file which contians my directory

copied via copy directory. Of course it would be best if the
system automatcialy wrote that branch anew evvery time I logged in
or the like. Can the profile do that? (21425,) (DVN)   6ae

How about putting all the directory and TENEX commands in a
seperate subsystem? (20925,) (NDM)

6aa

RLL 18-JUN-74 20:40 23397 %TNLS%
indicate last OK was accepted.
Message: One should have a three dot response or <CR> after the
final CA or <CR> in commands such as update file. I find myself
unsure if ii relly did hit the last confirmation. ture I could do
a control t but that is more difficult, I a lazy especially at the
TI.
*****Note: [ACTION] *****

6ab

Levadj should be either upper or lowercase. (22940,) (RWW)   6ac

There should be fewer recognition modes with more intuitive names.
Suggested - novice, expert and tenex-like. How many choices are
too manY? (JAKE)   6ad

Expert-expert recognition confuses new users. (MEJ, JCP, JAKE)   6ae

"Expert" recogniton mode is a misnomer. It should be called
"Efficient" recognition mode. (22465,) (KIRK)   6af

RLL 7-JUN-74 09:38 23302
New recognition mode: a true expert-expert.
Message: Please read (23294,) and (23298,) for suggestion on an
additional recognition mode. I would not replace the
expert-expert mode but have this new mode made in addition.
*****Note: [ACTION] *****

6ag

JHB 6-JUN-74 22:56 23298
Response to (23294,) RLL:New recognition mode
Message: I think secondary and tertiary command level recognition
by spaces instead of unique spelling is worthy of serious
experimentation.
From a psychological viewpoint, the suggested operation is far
more consistant in psychomotor operation. Further, experiments
have shown that short term memory is more efficient utilizing
character consistency rather than alternatives (as it would be
using all numbersor all characters rather than the combination).
Whether this will affect long term memory of keystrokes for
command recognition can only be projected from the work on STM.

I recommend that this alternative be implemented as soon a
possible and that it be integrated with MDK's proposed online
command presentation scheme. It should be substituted for the
present expert/expert mode.
*****Note: [INFO-ONLY] *****

6ah

15-FEB-74 1430-PDT KELLEY: Logut command.
    Received 15-FEB-74 14:30:58   6ai

    To make the logout command consistent with the rest o the
    command language and also to help avoid accadentially logging
    yourself out, the logout command should be:
    Logout Job OK where Job is the command-noun.   6ai1

KIRK (NDM) NOUN-TYPE keywords could allow adverbs and adjectives
where it saves typing. Lets maintain the convention of having a
verb-noun type command, but lets not create dummy nouns that
require extra Command-word input just to keep from using an
adjective or adverb as a noun-type.   6aj

    If we must use only nouns for the noun-type keyword, we need to
    rename: 6aj1

        Delete All (markers), Delete Last (program), Delete All
        (programs), Jump (to) Up, Jump (to) Successor, Jump (to)
        Predecessor, Jump Down, Jump End, Jump Back, Copy
        Sequential, Output Sequential, Output Assembler, Output
        Remote, Record (session) On, Record (session) Stop, Release
        Frozen (statement at), Release All (frozen statements),
        Reset Archive, Set Archive, Show Archive, Expunge Archive,
        Delete Archive, Reset Temporary.   6aj1a

        Not to mention the even greater number of commands with
        nouns used as adjectives such as Set Tty (window).   6aj1b

Split Window <Vertically / Horizontally> OK
could be:
Split (window) <Vertical / Horizontal> OK
or better yet
Horizontally-(split) Window |first level 'h' is currently not
being used|
and
Vertically-(split) Window |move Verify File to second level| 6ak

    JHB 19-MAY-74 19:34   23044
    New NLS bug in split screen
    Message: Help (control Q) says Split (window)...   The command
    is actually Split Window...   Hitting ^Q after split doesnt

tell you to hit w.
I think the w is superfluous, and the command should be split
vertically or Horizontally. Its logivcal even if the noun
field is not quite perfect....   Change the command not the
documentation.
*****Note: [ACTION] *****

6ak1

KIRK 30-JAN-74 10:29 21679
Inconsistency in noun-type keywords
Message: Charles,
If "To" is legal as a noun-type command-word in the "Quit"
command, what is the reasoning for commands like "Split Window
Vertically" when "Split (window) Vertically" would make the
command easier to use? You told me the reason was because
"Vertically" was not a noun. "To" is also not a noun.

6ak2

16-MAY-74 1451-PDT FEINLER: Update
    Distribution: FEEDBACK, feinler
    Received at: 16-MAY-74 14:51:50   6al

    Since there is only one option for update - namely
    'file' - I would suggest that if a person writes 'u' the rest
    should follow without the user having to also write 'f'. Or to
    state
    it another way: u[pdate file] not u[pdate] f[ile].   6al1

KIRK 9-MAY-74 12:28 22930
More universal commands %will do for jump commands%
Message: The system would be more useable for me if many more
commands in addition to Execute, Goto, Quit, etc. were Universal
commands available in all subsystems. In particular: Jump would
be most desireable. Also, show, set, Reset, and split.
*****Note: * info-only * *****

6am

 2-MAY-74 0954-PDT FEINLER: Jump commands - need to repeat each
time
%For some reason she didn't find out about repeat - problem with
Help?%
    Distribution: FEEDBACK, feinler
    Received at: 2-MAY-74 09:54:40   6an

    I am finding that there is much more work (time and motion)
    involved in having to retype JUMP TO ITEM everytime I want to
    use it than
    there was having it remain until I gave a command change
    signal. The

former method had some drawbacks if one forgot to release the
jump command but the new one seems to be much more time
consuming
We might want to consider the tradeoff of
time and see if it is prohibitive.   6an1

JHB 27-MAY-74 11:58 23130
New NLS sugestion
Message: The system defaults to Item in the Jump to command. I
recommend that it default to Statement in Break and Append. In
that way experts would have one less keystroke, and users shifting
from old NLS would not loose that convenience.
*****Note: [ACTION] *****

                                                                      6ao

=(23116,) (MDK) I would still like to see the sort and merge
commands upgraded, as defined by me last year (see -- jjournal,
17234,1:wy).   6ap

Jump to Return syntax backwards (CA then Y/N) (JAKE) (should be
Y/N "returnspot" OK:) (KIRK)   6aq

Content searches would be easier to input if delimiters were a
lowercase rather than uppercase character (i.e. : rather than ")
(22909,) (RLL)   6ar

Jump to content searching from where you are only to end of file.
She thinks this is not intuitive and that it should start
searching at the beginning or at least from where you are and wrap
around to where you started. (22940,) (RWW)   6as

Problems with the Insert Statement Command   6at

    1. L: is not the correct prompt. It should be L:/T:/B:/[A:]   6at1

    2. If you type <^U> at L:, the prompt changes to A: and you
    get to the address field; if you type in text at L: the prompt
    changes to T: and the text goes in; however, if you BUG a
    statement, the prompt changes, ... but nothing happens.   6at2

        This used to be the case where ever L: appeared but it was
        fixed for Copy, Move, Replace, etc. Please fix this bug for
        Insert as well.   6at2a

    3. If you try to insert a space at L: the prompt changes but
    nothing happens. (22489,) (22942,) (KIRK)   6at3

KIRK 26-MAR-74 18:37 22492
Efficient Command Language proposal

Location: (JJOURNAL, 22492, 1:w)

6au

KIRK 2-JUL-74 18:51   23514
A look at NLS commanding axioms or how to have your CA and repeat
it too!
Location: (GJOURNAL, 23514, 1:w)
*****Note: [INFO-ONLY] *****

6av

    JMB 3-JUL-74 09:54   23519
    Re Kirk's (GJOURNAL,23514,1:w)
    Message: Based on some recent experience with naive users
    trying learn NLS from Questionmark and Help, I believe that
    Kirk's (gjournal,23514,1:w) suggests an improvement. The
    possibility that something like he describes can be implemented
    wthout much rewriting merits looking into.
    *****Note: [INFO-ONLY] *****

6av1

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

6aw

Help is not self teaching.   6aw1

    The help system can't teach the user how to use itself
    because the user has to know how to use command-words in his
    recognition mode before he can use the Show command in the
    Help subsystem. The Help database cannot tell the new user
    what to type for the show command because the Help database
    has no way of knowing what recognition mode he is using.   6aw1a

Fixed view.   6aw2

    The syntax statements have words like CONTENT in them with
    an unsightly definition immediately following: 6aw2a

        TNLS: CONTENT = A:/[T:]   6aw2a1

        DNLS: CONTENT = T:/B:/[A:]   6aw2a2

    which does not say what is expected in the CONTENT for a
    command. It could be a FILELINK, LINK, IDENT(s), TEXT, an
    ADDRESS, NUMBER(s), etc. All of this information should be
    available but the syntax statements are seperated from the
    statements that might contain this information.   6aw2b

Syntax statements are seperated from the function
statements and functions statements are divided into effects
statements because each node must be kept small,   6aw2c

Even in the concepts section, the users must take many
steps, showing many, small nodes in order to piece together
a coherent picture of a segment of NLS,   6aw2d

Each node must be kept small because in the only format that
query (expensively) allows, the user is forced to see the
information in the parent node before he can get at the
statements classified by that node,   6aw2e

On the other hand if he wants a coherent overview, the user
cannot see all of the information classified under the
parent node at one time, He must "return" and re-specify
each menued node one at a time,   6aw2f

The user does not have a choice between a verbose or brief
view,   6aw2g

Solutions to the above problems: 6aw3

Do away with all command-words in the help subsystem,   6aw3a

Allow node specification with the mouse in DNLS (CA), or by
merely typing a menu number or symbol in TNLS,   6aw3b

Allow name specification with the mouse in DNLS (CD) or by
merely typing a word, or string of words, in TNLS,   6aw3c

Allow view specification depending on whether the
conformation key was a Carriage return (CA) or a
questionmark (CD),   6aw3d

    Carriage Return (CA) would show a brief, one line view or
    obey the viewspecs in a link if it finds one,   6aw3d1

    Questionmark (CD) would show a verbose, all lines view,   6aw3d2

    Needless to say, each default view would be the addressed
    level plus one more,   6aw3d3

I predict that this implementation of help would run faster
using less CPU time and less special source code than the
current implementation,   6aw4

KIRK 20-MAY-74 16:49   23054
My feelings about 23006 'Help Additions and Fixes Currently Being

24

Implemented'
Location: (MJOURNAL, 23054, 1:w)
*****Note: [INFO-ONLY] *****

6ax

   Comments: Much thanks to Dirk, Mike and Jeanne Beck for their
   comments on this item.   6ax1

KIRK 8-SEP-74 22:28 23929
two new (to me) bugs
Location: (HJOURNAL, 23929, 1:w)
*****Note: [ACTION] *****

6ay

   A couple of funny things happend to me in xnls that have never
   happened to me before. Suddenly it said I had "no write
   access" to a file in my directory group to which I've always
   had write access. It said this again even after I connected to
   the directory. I had to reenter work to solve the problem.   6ay1

   The Set Content (pattern) To command with a split screen
   caused the name of the file loaded in the window that did NOT
   contain my cursor to appear in the tty window (there was no
   refresh). I think I then tried to do something and got "fst
   entry nonexistant" over and over until I did a -C.   6ay2

   Again, reentering work solved the problem, both files verified. 6ay3

KIRK 20-FEB-74 17:57 22008
The most immediate bugs from several intensive sessions in XNLS
Location: (HJOURNAL, 22008, 1:w)

6az

   Jump to Name doesn't work across a split screen to an empty
   window. (CHI: apparently gets number of file for name search
   from final CA instead of CA which terminates name, thus cant
   find name since no file in the window??)   6az1

I am really wondering what gos with the [A] part in Help (RICART). 6b0

RLL 16-MAY-74 08:15 23015
Positioning of CM after update command: bug?
Message: After an Update file compact command, the CM seems to be
repositioned in random places. Occasionally it rYturns me to the
origin (not so bad), other times it leaves me where I am currently
(what I expect) , and stillother times placesm me somewhere else
(no apparent significance to the address).
*****Note: [ACTION] *****

6ba

User Feedback Decisions leading to NLS-8,1

KIRK 21-MAY-74 15:34   23072
Line length differences between dnls and output quickprint,
Message: A while back, Susan, you asked if I was still having
trouble with this. I just noticed output quickprint breaks some
lines sooner than dnls, That is, the line length in quick print
seems to be shorter than in dnls,
*****Note: [ACTION] *****

6bb

JAKE 20-MAR-74 09:49   22429
Margins
Message: The margins in TNLS, DNLS, and on the printer do not
appear to be the same again, Can somebody check this out, Since
this is a reoccuring problem would it be possible to assign
someone the responsibility of checking this when a new system
comes up,

6bc

KIRK 28-MAR-74 22:40   22613
Inconsistant line lengths
Message; As JAKE (22429,) I also find that line lengths are not
the same across local media, In particular, tasker seems to
allow one more character per line than TNLS, Furthermore, it
is impossible in some cases no matter what you set line length
for an OP to get them to come out the same as tasker,
Presumably there is a different breaking algorithm used with OP
throwing away following spaces, I'm sure the reason these
inconsistencies do not get fixed right away is because no
person capable of fixing the problem has to deal with text so
finely formatted as to make a difference to them,
*****Note: * info-only * *****

6bc1

4) aafter an update file or update file compact, the DNLS display
is signiicantly different from what it was at the timme the update
was given, It seems that the tail of the plex displayed when the
update was issued is dsplayed after the update, instead of
displaying the same statements that were on the screen when the
uppdate was given, (23493,) (MDK)

6bd

Bugs: 1) When in SENDMAIL: 6be

    a) I found in interrogate that the only way to get by an item
    is NULL <OK>; NULL = <character> BS - that's extermely
    awkward,%Fixing%

6be1

    b) I tried CD to go by an item and got bounced out of
    interrogate, That does not seem right, CD should have taken
    me to the next item, %NO%

6be2

c) When in the middle of interrogate and trying to find out how
to get by an item and then quitting, I did not return to where
I was but instead ended up at the command level, Very
irritating in the middle of a message.%Help problem - fixing%   6be3

d) Next I tried to recover my work by inserting the status,
then inserting a command form from the editor, editing my
command form and quiting the editor, My labors were rewarded
with an illegal instruction message,%Should work now% (22931,)
(RWW)   6be4

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

                                                                   6bf

26-AUG-74 0118-PDT KELLEY: Set Content (Pattern) To LSEL
   Distribution: MAYNARD, FEEDBACK
   Received at: 26-AUG-74 01:18:36   6bg

The LSEL is for type CHARACTER instead of TEXT thereby making
it useless.
It ddn*t used to be this way it seems it used to be for type
TEXT,   6bg1

19-JUN-74 1337-PDT FERGUSON: Slowness with Frozen Statements On
   Distribution: FEEDBACK
   Received at: 19-JUN-74 13:37:02   6bh

   Sue,
Does everyone experience that recreate Display takes about
5 times as long with Frozen State, On than with them Off,
If this i general , is it possibble to speed it up, And if its
only me with this problem, would you tell me what (maybe
structure of
file) is making it soo-oo-oo   SLOW-OW,..   6bh1

KIRK
30-JAN-74 09:49 21674 Message:
 Regarding link syntax as echoed in reponse to commands using
links: this constant feedback could have a definite molding effect
on users, especially people learning the system, For this reason,
I think we should encourage a certain form by not placing a space
between the link*s delimiters and its contents and by using angle
brackets instead of parentheses,

                                                                   6bi

(2b1) [dsm] -068- Editor subsystem is too big resulting in
unnecessary alphabetic conflicts. Suggested replacement: Editor,
File-Handler, and Terminal Handler. See (kudlick,newsubs,1:why)
for a preliminary description; a more up-to-date description is
forthcoming. Development will study this proposal and make a
recommendation.   6bj

    NOT CHANGED.   6bj1

    Recommendation by Development: No new File Handler Subsystem
will be created. A Terminal-Handler Subsystem will be created.
The new Terminal-Handler Subsystem will contain the following
commands: 6bj2

Accept Connection   6bj2a

Clear Window   6bj2b

<>COnnect (to) Tty (number)   6bj2c

         Display (number)   6bj2d

Disconnect Terminal (number)   6bj2e

Playback Recording (of session number)   6bj2f

Reset Character-size   6bj2g

    Tty-simulation (window)   6bj2h

Set Character-size   6bj2i

   Tty-simulation (for window)   6bj2j

<>SImulate (terminal-type)   6bj2k

<>STArt Recording-session   6bj2l

<>STOp Recording-session   6bj2m

(2b1) [dsm] -072- Expert-expert should not be the default
recognition for new users. (feedback,fdbk,02714)   6bk

   TNLS = Demand
   DNLS = Exp/Exp   6bk1

   This is up to Applications. Development needs a final decision
before Sept. 1st.   6bk2

(2b1) [dsm] -043- When someone tries to load a file which is
protected, he should not get the message that the file cannot be
opened; he should get the msg "File protected from unauthorized
access". NOT CHANGED> TENEX PROBLEM>   6b1

Future needs & possibilities or need discussion, evaluation.   7

   Small NLS changes requested (not bugs)   7a

      KIRK 26-FEB-74 16:32   22065
      Some comments concerning the new dynamic addressing elements
      from a database building and document referencing point of view
      Location: (HJOURNAL,22065,1:w)
      *****Note: (secondary Distribution Copy from XXX)*****

                                                                          7a1

         The new AE (address expression) is a very powerful tool. I
         don't think there is a single special character that is not
         used for some special function. It is important that these
         functions be specified unambiguously with the minimum number
         of characters so that the maximum number of functions can be
         accomodated.   7a1a

         In this framework, I feel the following suggestions should
         be considered.   7a1b

         First, I strongly oppose using Ampersand for Jump to Name
         External. Ampersand is a special character that should be
         available for use within a name. Conjunction is a valuable
         and necessary searching concept that is especially important
         for cutting down on duplicate names in large databases while
         retaining a mnemonic and easily typed identifier. The
         alternative to "&" is "-and-" which is so clumsy as to
         almost preclude it's use.   7a1c

         I suggest instead of using &, that s be used for "jump to
         name external".   7a1d

            [As a side issue, I think that the external default is
            backword. The default should be "jump to name external"
            with the special character required if you don't want to
            search the external file(s).]   7a1d1

          In the TNLS LINEFEED command, can we have NLS echo something
         (like <LF>) to show what you've typed before it goes on to
         print the statement?
         It would be useful for the TNLS user to be able to read his
         TNLS printout later and see what he did to get that result.

(21198,) (JMB)

7a2

  3-JUL-74 1357-PDT LEAVITT: buggish
    Distribution: FEEDBACK
    Received at: 3-JUL-74 13:57:38

7a3

    Not really a bug but a pain. I use the substitute text
    command a lot in tnls. If you try using it you will see
    that it feeds a great deal of paper in completing one
    substitue (a command that has a number of steps. there is
    no need to have a blank line between every one of those
    steps. when i do a whole lot of substitues the amount of ti
    paper i use is horrendous. it insults my basic liberal
    bullshit ecological concerns.

7a3a

    SRL 27-MAR-74 09:23 22504
    Output Quickprint Branch
    Message: Is there some reason why the message Output Quickprint
    branch couldn't be displayed when viewspec g is on?

7a4

    In Demand Recognition. CONFIRM should work for recognition.
    This way Altmode or SP might not be required before a CONFIRM
    even after a complete command-word has been typed. (22175,)
    (KIRK)

7a5

    Instead of the current "Action or Information only" barrier in
    the Send command, the default should be "Information" with an
    OPTIONAL Action commandword (recognized by a single <"U>.
    (22941,) (KIRK)

7a6

      Distribution command hard to find.
      Send sounds like the choice to use when finished.
      Double verification not needed following Done.
      Interrogate should be default with options available
      Action? Y/N - If no, automatically fyi. (JAKE)

7a6a

      Allow "none of the above" when submitting via Sendmail
      instead of for info or for action (22878,) (JMB).

7a6b

    Make interrogate the default when entering sendmail unless
    there is an unfinished item.

7a7

      RWW 9-MAY-74 13:01 22931
      Bugs and Thoughts - New CML
      Location: (MJOURNAL, 22931, 1:w)
      *****Note: * action * *****

7a7a

30

I tend to use Interrogate all the time. Do others? If so
why not just automatically enter interrogate when arriving
in SENDMAIL. Should other fields be added like keywords and
obsolete, assuming one can pass them easier than at
present.(22931,) (RWW)   7a7b

The current situation of automatically initializing whenever
entering Sendmail makes Execute Sendmail practically
useless. Yet I rarely want to send more than one item...   7a7c

KIRK 16-MAY-74 19:05   23024
Interrogate opinion
Message: I think the order should be: (1) Title (2) Type of
source (3) Send (4) Show status (5) Done. First impression
is I wouldn't want interrogate to be the default but I
haven't thought about it.
*****Note: [INFO-ONLY] *****

                                                                      7a7d

KIRK 17-MAY-74 12:18   23032
Trying out interrogate
Message: After consideration, Interrogate as a default mode
when entering SENDMAIL seems to be a good idea only if the
user does not already have an unfinished item. This would
also make a good signal that would help me avoid a problem
I've had where I've quit out of SENDMAIL unfinished, then
gone back in and started on a new item only to find
sometimes embarrasing parameters attached to the new item
that were left over from the old.
*****Note: [INFO-ONLY] *****

                                                                      7a7e

SLJ 17-MAY-74 17:02   23039
comment on your 23019
Message: i think interrogate should yes yes be default in
sendmmail. standard order would be faster for me. bye,
and you will will will get bike back back back.
*****Note: [INFO-ONLY] *****

                                                                      7a7f

The sequence Replace From...To...By seems to be clearer than
Replace At...Through...BY. In general From-To seems clearer
than Through (JAKE)   7a7g

(type of source:) should come after (title:) and (send to:)
so a message could be written in relation to the title and
sendlist, (22761,) (KIRK) (JAKE)

                                                                      7a7h

Institute Program CONTENT (as) Content/Sort/Seqgenerator OK
Could be:
Institute Content/sort/Sequence CONTENT OK   7a8

Update File OK / <Old/Compact/Rename OK>
could be:
Update File/Old/Compact/Rename OK   7a9

KIRK 8-JUN-74 22:27   23368
hatred for change in replace link implementation
Message: A screen full of carefully thought out, irreproducable
thought just vanished with the message: "ILLEGAL LINK" as I was
using the Replace Link command, Total bummer.
*****Note: [ACTION] *****
                                                                          7a10

   KIRK 8-JUN-74 22:31   23369
   inconsistancy-in replace link command
   Message: when I say replace invisible, and type in a
   visible, my typein doesn't disappear with the message
   ILLEGAL INVISIBLE.
   *****Note: [ACTION] *****
                                                                          7a10a

Load File BUGWORD VSPEC CA is what I'd still like to see, with
extraction of a valid file name from the bugged visible, and
with display of the deduced-file name before VSPEC CA (at least
before the CA part). (23142,) (DCE, KIRK)   7a11

   Jump File BUG vSPEC CA is o,k,, where assume you bug a link
   and it extracts file name -- but if Load File worked right,
   would rarely really need this option. Also, should show the
   file it will take you to before you commit yourself with the
   final CA. (23142,) (DCE)   7a11a

Jump Link B:/A: VSPEC CA I'd also like, where the VSPEC would
over-ride those provided in the link. (23142,) (DCE)   7a12

   In TNLS, I used to be able to say Print Branch (work, td:
   gebtzm) CA CA and have the VSPECS applied to the printout.
   Doesn't seem to work that way now? How come?   Generally,
   I'd like to see the VSPEC of the last link used in an
   address apply to the viw (Print or Display), unless LIT
   vspecs added by user (which would over-ride conflicting
   link-held vspecs). (23142,) (DCE)   7a12a

Break Statement: As it was previously specified (Old NLS, and
from OLD DCE) it is supposed to let you enter SPs that are
inserted before the broken-off segment as it is made into a

statement,   Indeed, the *? menu shows that a SP is allowable
after the bug; but a SP produces a "?" response, and I can't
put leading SPs in front of the new statement,   7a13

    KIRK 26-DEC-73 09:32   21187
    An ability missed with the break statement command in New
    NLS
    Message: A feature in the old system that is missed in New
    NLS is the ability to insert text between broken statements,
    Use of something like the DFSL may return this ability to
    New NLS,
                                                                        7a13a

    It is hard enough (technically impossible) to Insert Text at
    the beginning of statements, but when leading invisibles are
    deleted for you automatically,,,   In XNLS I find I am no
    longer capable of inserting text at the front of a new
    statement created by breaking from another statement,   Is
    this a bug or a feature? (22059,) (KIRK)   7a13b

     I seem to find from the *Q HELP info that there isn't
    expected to be this provision, at least by the documenters,
    I want that provision back; in fact, I feel that one ought
    to be able to insert any charcters after an initial SP --
    i.e, that all characters after the SP (that follows the BUG
    LEVADJ) and before the final CA should be inserted at the
    head of the breakoff statement, (23142,) (DCE)   7a13c

-(23116,) (MDK) "TI" shouldn't be an alternative in the
"simulate terminal" command if you're already in TI mode;
similarly, "tasker" shouldn't be an alternative if you're
already in tasker mode, Fixing those would remove an annoying
letter conflict,   7a14

In TNLS, feedback a space after a prompt (22907,) (RLL)   7a15

RLL 6-AUG-74 20:06   23740 sug on copy file command
Location: (GJOURNAL, 23740, 1:w)
*****Note: [ACTION] *****
                                                                        7a16

    When copyin file (copy file command) and one gives a new
    file name the statement zero in the new file is acopy of
    statement of the old file, Thus, the old file name and
    directory appears, this , of course , disappears when one
    does an update, The suggestion: perhaps it wuld be better
    to replace file name in staement zero with the new file
    immediately, One is not immediately sure which file you
    really have up,   7a16a

NDM 17-SEP-74 13:31   31067
Load Remote file command
Message: I don't see any pretense of a Load Remote command in
new NLS. Some of us need that. It will be available in some
form by Oct 1, won't it?????

7a17

DVN 11-JUN-74 16:05   23332

Message: If you want to use both the level adjustment and the
filter in a command such as copy, you have to specify the
filter first. The prompt woul be a little nicer if it said
[**]/L: rather than what it now says, L:/[**].
*****Note: [ACTION] *****

7a18

JMB 3-JUL-74 17:53   23524
Suggestions for the Questionmark Facility
Location: (GJOURNAL, 23524, 1:W)
*****Note: [ACTION] *****

7a19

    Comments: Wouldn't this be clearer and easy to change?   7a19a

RLL 13-SEP-74 11:07   23964   use same line for optional info in
show directory command"; Author(s): Robert N. Lieberman/RLL;
Distribution: /FDBK([ACTION]) ; Sub-Collections: SRI-ARC;
Clerk: RLL;

7a20

Please put size info when using show directory with options
on sam line as name o file, otherwise it goes to o fast on
the screen, same for more than one copy of same file,   7a20a

Allow an end of statement to end a sendmail form as well as
<CR>, And allow <CR>s in Messages in a sendmail form,   7a21

DCE 20-AUG-74 08:51   23825
("V) Before (CR) Doesn't Seem to Work in Comment Field
Location: (GJOURNAL, 23825, 1:w)
*****Note: [ACTION] *****

7a21a

In tnls if one wishes to format a comment with a carriage
return it will of course terminate the comment command,
One expects that if he wishes a literal carriage return
he can preceed the carriage return keystroke with a ("V),
I tried this and it doesn't seem to work properly, The
carriage return indeed does get added as a literal to the
comment but the impact on nls seems to be also as though
the carriage return terminates the command and readies
you for a new command in the particular mode,   7a21a1

JMB 19-JUN-74 17:22   23463
Sendmail's Process command doesn't Work as advertised
Message: I did Insert Sendmail in Editor, As Help advises
(under sendmailforms) I deleted the "DONE:" and added
"MESSAGE:" in its place, I then used editing commands to
type in my message and fill in the other fields, Then I
used Sendmail's process command to send the item, Show
status then revealed that it got everything but the Message;
indeed, DONE had "nothing to send!" Rumor is that the
message needs a carriage return after it (though DONE:
doesn't) for Process to work; that seems wierd and Help
doesn't say anything about that, Could the command or the
advertising be cleared up?
*****Note: [ACTION] *****

7a21b

RLL suggestion on the show commands: always have a 'show' for
a 'set'
12-AUG-74 10:48 (GJOURNAL, 23767, 1:w)
*****Note: [ACTION] *****

7a22

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,   7a22a

DVN 23-MAY-74 14:09   23104
Driven Over Alloocation by Mystery Files
Location; (GJOURNAL, 23104, 1;w)
*****Note: [ACTION] *****

                                                                   7a23

Some of you may recall that last Friday and Monday I tried
to send a journal item which was never delivered because of
a confusing accumulation in the distribution field following
several attemps to distribute,   7a23a

An sther problem seems to have arisen from that evil journal
submission, Today the system began to tell me I was out of
pages although show Disc asserted that I had 25 or so pages
to spare, Jeff discovered that the culpable pages were in
the partial copy of my sendmail file, invisible to me,
presumably they had accumulated during th various submission
attemps,   7a23b

This seems only one way in which a user could accumulate
pages which the monitor counts against him but which neither
show directory nor show disc status will reveal, It's a
pretty frustrating feeling, I suggest making those files
visisble,   7a23c

KIRK 22-SEP-74 00:34   24026
Default name delemiters NULL NULL?
Message: Default name delimiters were to be changed to NULL
NULL, Has this decision been changed unknown to me or was it
just overlooked?
*****Note: [INFO-ONLY] *****

                                                                   7a24

RLL 12-JUL-74 08:21   23610
add an 'OK' to sort command
Message: strongly urge the sort command have a 'OK' confirming
<CA>, At present, after address is given the sort takes off
and does its thing,
*****Note: [ACTION] *****

                                                                   7a25

KIRK 22-SEP-74 18:02   24032
Typical oNLine Systems thinking
Message: Why aren't Output Journal and Print Journal named
Output Sendmail and Print Sendmail?

*****Note: [ACTION] *****

7a26

KIRK 5-SEP-74 20:40   23922
NP for jump file return
Message: Jump to file return choice message (currently a
filelink) should be the complete link containing the statement
number and viewspecs.
*****Note: [ACTION] *****

7a27

 3-MAY-74 1616-PDT   LEE: Sendmail subsystem, Interrogate
command
    Distribution: FEEDBACK
    Received at: 3-MAY-74 16:16:55   7a28

    When it says "Send for action to" it seems you should be
    able to
    type ? and get a message telling you to type ^N to send
    something
    for information at least in DNLS.   7a28a

Large changes requested   7b

LPD
23-JUN-73 12:34 17430 Message:
 I think the following facility might be of considerable value
in the increasing applications of NLS to retrieve data from
resource files: the possibility of jumping to a name that was
not spelled quite right, i.e. allowing a modest number of
missing or doubled characters, transpositions, or wrong
characters. Warren Teitelman's LISP system has this ability --
in fact, it invokes it automatically if it fails to find an
exact match -- and it is an enormous help.

7b1

Programming   7b2

    JEW 31-JAN-74 17:01   21704
    LOCAL STRING watchamacallit [Idunkno]
    Location: (GJOURNAL, 21704, 1:w)

7b2a

        Wouldn't it be nice if one could declare a maximum string
        length with a declared symbol, in addition to with a
        self-defining term.   Then such length dependencies would
        be explicit, and changeable by simply redefining the
        symbol and recompiling the affected files.   7b2a1

JEW   A SEAS Idea, Offered with No Expectations %new NDDT%
22-JAN-74 12:58 (GJOURNAL, 21560, 1:w)

7b2b

DHC 21-JUN-73 16:26   17412
Auto-updating as option in Load File or Logout   7b3

JCN   NP Item: Typescript File Command in NLS or EXEC
24-SEP-73 08:39 19264 Message:
  Here is a request for consideration of a new feature; a
command either at the exec level or in nls that makes the
system record what the user types and what the system sends
back to him in a file for future use by the user. I have found
(as have others) tht use of the telnet.typescript file for
making scenarios and for capturing other data is very useful,
It means going out via telnet and re-entering the ARC system
(or some other) to set up the typescript file. This seems
wasteful of network facilities and addds unwanted steps in the
process. I'm not sre what difficulties adding such a feature
would entail, but offer this sggestion here to get some
discussion started,

%WAS THERE ANY%

7b4

Output Processor   7b5

    MDK   Output Processing: A Suggestion for How to Improve the
    Speed %output printfile - looks for directives only in
    origin statement%
    9-FEB-73 16:36 (IJOURNAL, 14367, 1:w)

7b5a

    JBN   Request for OP Directive Preventing Substatement Page
    Breaks
    1-JUL-73 20:07 17590 Message:
     CHI -- For the Directory, as well as for production of
    formatted reports, there is urgent need for an Output
    Processor directive to produce page breaks at statements of
    a certain level only. This is not the directive to produce
    page breaks at specified levels at each occurrence, but one
    to insure that page breaks are not made at substatements
    when this is not desired, and the whole branch should be
    carried to the next page. I have asked for this before, and
    perhaps there is some reason it cannot be done? -- Jeanne
    also (14342,) (JBN)   7b5b

    RLL   output processor suggestion re: time Zones
    8-NOV-73 11:49 20109 Message:

the time zone would be very nice to append to the commands
'gdt' and 'gt', one letter would do, namely, e = eastern,
c=central, m=mountaan, p= pacific, daylight vs standard
time should not be a problem. clearly we have another set
of commands now possible, 'gdte', 'gdtc', 'gdtm', and
'gdtp', (also for 'gt,') 'gt' and 'gdt' would always append
'p' unless the new commands are included in the system.
robert (20799,) (NDM)   7b5c

DHC 7-MAY-74 13:29 30705
Sweeping Journal Directive &alternative to (16047,)%
 Directive will contain any directive to be executed at a
given level..   7b5d

DHC Output Processor suggestions
27-AUG-73 11:48 18678 Message:
 In order to make processed output better fit the device it
is being printed on (or formatted for) I suggest the
following: 7b5e

   1. Have the Output Processor (during Output device
   Teletype) use the Terminal specs (line width, page size,
   form feed, etc) as limits, which embedded directives
   CANNOT exceed.   7b5e1

   2. Allow run-time specified directives. The author of a
   file has certain formatting ideas. The printer of the
   file may want soemthing different. The printer's
   directives should take precedence. This saves the printer
   from having to copy the file and change embedded
   directives.   7b5e2

   3. Allow the concatenation of files, at run time. This,
   too, saves having to do copying.   7b5e3

KIRK Ignore Plex directive.
18-NOV-73 11:23 20356 Message:
 I need an Ignore Plex (IGP) directive (like IGB, IGS,
etc.).

                                                                   7b5f

RLL for output processor : new command 'GrabS'
5-OCT-73 10:20 19525 Message:
 a suggestion for the output processor. the command 'Grab'
serves a useful function for lines; why not have a similar
command (GrabS') for statements. One often does nto knwo how
many lines will be in a statement but a header statement
such as a chapter title will be followed by another

statement,   r, lieberman of nsrdc

7b5g

TTY window OFF allowing 2 more lines of text if desired.
(22061,) (KIRK)   7b6

command Feedback OFF allowing 4 more lines of text if all you
are doing is jumping and reading, (22061,) (KIRK)   7b7

These require CML re-write   7b8

  3-JUL-74 1355-PDT LEAVITT: bug
  Distribution: FEEDBACK
  Received at: 3-JUL-74 13:55:15   7b8a

  When I use the output quickprint and output printer
  commands in tnls, there is echoed, or printed, an extre
  "OK:", so one would see:
  Output C: Quickprint OK/C: OK:
  If I give a command accept after the C and ignore the
  second OK, the process gets completed fine, But if I pay
  attention to the second OK and give another CA, the bell
  rings, I have learned to ognore the second OK but other
  particularly new users may be confused by it, so why not
  get rid of it,   7b8a1

line entiti,
If we eliminated LINK as a command word as proposed in
(JJOURNAL, 22236, 1:w) there would be no conflict,   7b9

  Filters should obey line clipping viewspecs,   7b9a

  DCE Re-implementing DNLS Line entity
  9-OCT-73 12:17 (KJOURNAL, 19580, 1:w)

                                                                            7b9b

    DVN For Lines and Arrays
    10-OCT-73 09:00 19590 Message:
     I second Doug's motion (Kjoural,19580,), See also my
     argument for Matrices (journal,16245,)

                                                                            7b9b1

Transpose window command,   7b10

Journal   7b11

  CHI 20-JAN-73 20:07 14006
  Proposed EXEC level capabilities: Journal Submission and
  Printing

Message: I recommend the addition of two more entry points
into NLS, one for Journal submission and one for Print
Journal. I recommend that a new EXEC command be created,
say JOURNAL, such that there is are two subcommands, one for
submitting a message and one for printing your Journal mail,
The default for not specifying which submode should be
submission, I think. Also, the Print Journal function
should be slightly modified so that it marks the statements
it has already typed -- so that repeated use of the command
will result in only new material being typed, NOTE: If we
can fit this into SNDMSG and MESSAGE, all the better. --
Charles

7b11a

DHC   Statement Names for Journal Mail
12-JUL-73 16:38 17774 Message:
 It just occurred to me that it would be very nice to have
online Journal mail have the Journal number as the Statement
name, What are the arguments against such an action and how
hard would it be to implement??

--Dave

7b11b

JBN   Request for Journal Feedback Line to Show Lack of Title
 Please consider having the Status block presented to the
Journal sender include the line
3-AUG-73 08:32 18200 Message: Message:
 [no title]
to prompt the sender that one has not been supplied and that
it is a normal part of the submission. -- Jeanne N

7b11c

JEW 25-FEB-74 16:09   22048
Secondary Distribution Bug?
Message: Dave-- Apparent bug in Secondary Distribution. The
following message accompanies the delivered citation:
'secondary Distribution Copy from XXX'. Note the incorrent
ident (I assume). Background's? --Jim

7b11d

DCE   7-MAR-74 17:55   22352
  At least one Journal item is not indexed
Location: (JJOURNAL, 22352, 1:w)

7b11e

JBN   Request for proper RFC journal format.
6-JUL-73 21:12 (KJOURNAL, 17694, 1:w)

7b11f

JBN Resubmitted Reply to WLB re Journal Headers
20-APR-73 08:28 (MJOURNAL,16031,1:w)
*****Note: (Secondary Distribution Copy)*****

7b11g

MCK Journal Complaint
4-JUL-73 06:29 (KJOURNAL, 17631, 1:w)
%default output directives should be by choice or better
advertised% (15469,) (WLB - also speed up ident check)

7b11h

CHI * BACKLINKS in the Journal
15-NOV-72 21:37 (LJOURNAL, 12866, 1:w)

7b11i

MDK * Annotating Journal Files with Footnotes
19-OCT-72 9:33 (LJOURNAL, 12329, 1:w)

7b11j

MDK MINOR SUGGESTIONS re the Journal,
6-MAR-73 9:07 (IJOURNAL, 14915, 1:w)
%citation format, default viewspecs, status command% %allow
other viewspecs & statement nos. (19425,) (JMB)%

7b11k

MCK Comment on 'Distribute Document'
4-DEC-73 10:04 (IJOURNAL, 20702, 1:w)
%DD for offline doc - message "Document is not online" or
notify NIC person to manually DD%

7b11l

JEW Identifying Exactly WHAT File is Not On-Line
%change message to specify what directory a journal file is
in; ability to interrogate journal catalogs%2-OCT-73 12:19
(JJOURNAL, 19414, 1:w)

7b11m

JEW How About 'RFC-524' Instead of '17140'?
25-JUL-73 16:50 (LJOURNAL, 18011, 1:w)

7b11n

    DCE On Journal-item Citation Naming; cf. (18011,),
    (18036,) and (18063,)
    31-JUL-73 09:17 (LJOURNAL, 18132, 1:w) %opposes%   7b11n1

    MDK On Changing Journal File Naming Convention
    27-JUL-73 08:56 18036 %supports%

7b11n2

JEW   Some Dialog Support Ideas for the Next Couple Years
20-FEB-74 15:50 (HJOURNAL, 22002, 1:w)

7b110

Ideas (not fully developed) for Dialog Support
development over a couple-year period.   7b110l

JOURNAL AND IDENT SYSTEM RE-WRITE   7b110²

Absolutely the most important item on the list!! If
this probject doesn't get top priority, we will one
day -- sooner or later -- see the world come crashing
down upon us!   7b1102a

Should assume a multi-host environment as we've
discussed and partially designed, with well defined
modules -- cataloger, archiver, recorder, publisher,
registrar, etc. -- distributed and replicated
throughout the Net.   7b1102b

Flexible access controls are to be built in from the
start.   7b1102c

This topic has been labeled 'Multi-Site Journal
System', but it's important to realize that the Ident
sytem (i.e., its replacment) is intimately involved --
it's probably the most important and complicated of
all the modules, in my view of the world.   7b1102d

BACKGROUND NETWORK JOURNAL SUBMISSION AND NLS FILE
RETRIEVAL   7b1103

It turns out that there's too much overhead associated
with submitting a Journal article or formatting,
converting, and retrieving an NLS file to require that
it happen in-line with the Network request that
initiates it.   7b1103a

I therefore suggest that we create a background
process running NLS to respond to such requests,
interfaced to the outside world via the mail system.
That is, permit a user to submit a journal article or
request a copy of a specified NLS file, formatted in a
particular way (e.g., via the Output Processor) by
sending an apropriate message via Network mail to
JOURNAL@NIC. The message would specify a Network
return addr to which the background process would make
reply, and, for the case of file retrieval, the host

8

and filename (along with login parameters) where the
file is to be sent.   7b1103b

   Journal submission by this mechanism would provide
   full flexibility with regard to specification of
   comments, preassigned catalog numbers, RFC numbers,
   etc.   7b1103b1

JOURNALIZATON OF SEQUENTIAL FILES   7b1104

   We've long been aware that many journalized documents
   originate as sequential files. We've long been aware
   of the difficulty of converting sequential files to
   tree-structured ones in a reasonable way. Alghough I
   know that much more work can be done in the area of
   defining and implementing a variety of clever
   conversion routines, I believe that that's not the
   real answer to the problem. In general, you don't
   make a guy, who's spent time and effort formatting his
   file, happy by massaging it -- by ANY program
   (programs don't come that clever).   7b1104a

   I suggest that we permit sequential files to be
   journalized (and stored as such), just as there are
   handles for journalizing hardcopy documents.   7b1104b

PERSONAL MAIL-MANAGMENT SUBSYTEM IN NLS   7b1105

   No work has been done by us in this area. We need an
   equivalent of READMAIL, but presumably even more
   powerful.   7b1105a

DRAFTS, COMMENTS, AND ACKNOWLEDGMENTS   7b1106

   Formalize the notion of drafts, comments, and
   acknowledgments, so the Journal can make decisions
   (e.g., about routing) on the basis of whether or not a
   document has been acknowledged by certain individuals,
   etc.   7b1106a

GENERALIZED ROUTING FOR JOURNAL DELIVERY   7b1107

   We can, I think, give the user a great deal of
   flexibility about the routing of a document to the
   people in its distribution list (I would expect
   sequential, and, of course, the current parallel
   delivery to fall out of this).   7b1107a

A distribution list would, in the general case, be
more complicated than it currently is. For example: 7b1107b

   Distribution: (CHI JDH DCW) then (RWW or 25-FEB
   5PM) then ack JEW   7b1107b1

meaning: 7b1107c

   Distribute in parallel to CHI, JDH, and DCW; when
   and if positively acknowledged by all of them, send
   to RWW. Then send finally to JEW, either when RWW
   has acknowledged or by 5 pm, Feb 25, whichever
   comes sooner.   7b1107c1

Both the syntax and example are contrived, and more
constructs could be defined, but the idea, I think, is
clear.   7b1107d

DELIVERY OF NETWORK MAIL TO INITIAL FILES   7b1108

   MESSAGE.TXT files can be eliminated for those NLS
   users who desire it. All network mail sent to them
   would be reformatted and placed in their initial file,
   like journal mail.   7b1108a

SNDMSG SUBSTITUTE IN NLS %DONE%   7b1109

   I've 90% completed an NLS command which replaces
   SNDMSG, in that it does exactly the same thing as
   SNDMSG (in terms of the mode of mail delivery), but
   operates on NLS files and allows both 'User@host' and
   ident forms for addressees.   7b1109a

GENERALIZED JOURNAL ADDRESSES IN THE IDENTFILE   7b11010

   Instead of the current hardcopy, on-line, and network
   mailbox address, permit each user to maintain N such
   mailboxes. Each would be of one of those three types,
   and each would admit only mail which met certain
   criteria, e,g,:   7b11010a

      Authored by one of a specified list of users.   7b11010a1

      Meeting certain specified size constraints.   7b11010a2

      Containing specified keywords in the title.   7b11010a3

      Etc.   7b11010a4

PROMPTING MECHANISMS   7b11011

Allow the user to be modified (at login, or if already
logged in, by NOTIFY) when, e.g.:   7b11011a

mmail arrived at a particular mailbox.   7b11011a1

On a pre-specified date and time of day, with a
specified message.   7b11011a2

Etc.   7b11011a3

VIEWING WHAT'S BEEN CHANGED IN A FILE   7b11012

Provide the ability for a user to visibly distinguish
on his screen between a file and the changes contained
in its partial copy (with underlining, italics, or
whatever, perhaps under user control). Allow a file
to be viewed through any of several PCs.   7b11012a

This, to my mind, is the way to implement (at least
one form of) comments on a journal document. A user
could then send a draft to N other users for review,
each of whom would create his own partial copy for the
file, and return it via the Journal to the originating
user, who could then view the N partial copies against
the original file, and produce a final copy.   7b11012b

AUTOMATIC GARBAGE COLLECTING OF INITIAL FILES   7b11013

Allow the user, via the identfile or his profile, to
specify a garbage collecting algorithm for his initial
file, involving parameters like: 7b11013a

Time it has sat in the file.   7b11013a1

Who it's authored by (e.g., 'Discard after 30 days
anything not authored by RWW or JCN').   7b11013a2

Etc.   7b11013a3

UNRECORDED MAIL %DONE%   7b11014

No definition required. (17497,) (DHC)   7b11014a

JI   Distribution Groups
4-NOV-73 11:48 20038 The suggestion is for a capability
comparable to the *B option in TENEX sndmsg where I would be
able to insert a branch for the distribution in the journal

mail system.

7b11p

DHC 22-JUN-73 17:54   17426
Author Control of Distribution Media for Journal Mail   7b11q

   AT DELIVERY TIME, I SHOULD BE ABLE TO SAY MEDIUM HARD,
   ONLINE AND IF THE PERSON HAS ONLY ONLINE TURNED ON, BUT
   HASN'T SAID 'NEVER' FOR HARDCOPY, HE WILL GET A HARDCOPY
   (THO HE WOULDN'T, NORMALLY).   7b11q1

LPD Don't like current Net Journal distribution
19-AUG-73 00:29 18495 Message:
 I disapprove of the current Net Journal Distribution
procedure. The TENEX READMAIL facility is a far less
convenient form in which to maintain a permanent record of
Journal items addressed to me than my Initials file at ARC.
The overhead of transferring such notices to a permanent
file is also odious. Until and unless the NIC can make a
subsystem (such as NLS) available to aid in this process, I
would like my Journal items delivered BOTH to my "home" host
and to my NIC Initials file. If it is impossible to do
both, I would prefer the latter to the former.

7b11r

JEW Smaller Separator in Print Journal
26-APR-73 13:50 16210 Message:
 To whoever is messing around with 'Print Journal' these
days (is it Chuck?), Dave Crocker suggests in (15477,) that
the separator be reduced from three to one line. Makes
sense.

7b11s

DCE NP for SNDMSG, User Program INMES, and round-trip
conversion between NLS and sequential files
17-OCT-73 17:35 (LJOURNAL, 19746, 1:w)

7b11t

   Comments: Time for more dialogue re improved facilities
   for NLS support of composng, sending, and managing SNDMSG
   traffic?   7b11t1

KIRK quit command
30-JAN-74 10:09 21677 Message:
 In being consistant with the subsystems and novice user
naivete, there should be a quit Tenex command in NLS that would
take you out to your higher level. Your higher level would be
telnet, a superior NLS, or Logout. There should also be a quit

Job command which would equal the Logout command.

7b12

DIA 8-APR-74 14:29 22662
Viewspec suggestions for NLS
Location: (LJOURNAL, 22662, 1:w)

7b13

Let viewspec questionmark display the viewspecs when you
want to see them. (KIRK)

7b13a

limit display if viewspecs.

7b13b

This would be a user profile parameter that would control
the display of viewspecs. The effect would be that
viewspecs would not be displayed unless they were
DIFFERENT than a specified set of viewspecs. The result
would be that the viewspec area would be empty unless
there was something unusual -- which the user would like
to be aware of.

7b13b1

I find myself paying little attention to the viewspecs
anyway, except when I have some 'special' (unusual for
me) setting.

7b13b2

Print Journal

7b14

DHC Fewer hard copies of Jourrrnal messages
19-JAN-73 12:17 14012 Message:
This suggestion is actually courtesy of Jon Postel:

A Journal message receiver should have hard-copy as an
optional, rather thanautomatical occurrence. This would
lessen the mail situation some.

Probably the easiest thing to do is have the print Journal
command have a verbose mode which queried for a) deletion of
the message, and b) hard copy of the message.

7b14a

Now that filters delimited by semicolons ;filter; are defined
as viewspecs in the definition of a link or an address,
;filter; should be a valid viewspec whenever the V: prompt
appears. (22486.) (KIRK)

7b15

Alternative views in help

7b16

24-SEP-74 1818-PDT KEENEY: help

Distribution: KELLEY
Received at: 24-SEP-74 18:18:37   7b16a

how can i get a printout of the whole help system.
i am really behind on nls development and reading the
latest help
might help (so to speak...)
marcia   7b16a1

-(23116,) (MDK) the command feedback window and the literal
feedback window should be merged, in practically all instances,
so that the total expression that a user composes --- command
words, command noisewords, literal typeins, etc --- is
displayed in the appropriate order for the user to reflect
upon.   7b17

    The major difficulty in doing this would seem to be how to
    handle bugs.   7b17a

    I think this depends on the situation.   7b17b

    If the user is bugging a word or character or filename then
    that string can just be displayed; if the user is bugging a
    structure, then the statement number(s) of that structure
    could be displayed, or perhaps just the symbol "<bug>" could
    be displayed; other cases would have to be thought out, of
    course, but the net effect would be an eminently more
    readable command feedback line.   7b17c

-(23116,) (MDK) I would like to see a modification to the
"Output File" command that allows the output to be "filtered"
That is, the command should at least optionally obey viewspecs
"i" and "K". This would make it MUCH easier to do a content
search and save the results without having to split the screen,
create a new file, copy filtered, etc.   7b18

SRL 4-JAN-73
The message at the top at times is poetic, but rather strange
looking, for example, Transpose text at through and through,
Copy Group from through to follow, etc. It seems the words
should go away when they are no longer applicable or slashes
between or something (CHI: we could echo an @ or BUG for each
bug selection -- we will want to do this in final tty-simulated
CFL anyway) (JAKE)   7b19

DSM 24-MAY-74 15:07   23117
CML Backspace implementation
Location: (GJOURNAL, 23117, 1:w)

User Feedback Decisions leading to NLS-8.1

*****Note: [INFO-ONLY] *****

7b20

There is a inconsistancy in the CML interpreter.   7b20a

In expert/expert recognition mode when the user types the
sequence <Space><Letter><Backspace>   the backspace is
executed as a double backspace and the interpreter
considers the next letter input as a LEVEL1 Command.
Example <space>S<backspace>C   recognizes copy command   7b20a1

It would seem more consistent to have one backspace leave
the interpreter in a state expecting a second level
command sequence, and require the user two type two
backspaces (or a command delete) to get to the top of the
parse tree.   7b20a2

Changes in basic CML io entities DSEL, LSEL, SSEL.   7b21

Indirect Addressing   7b21a

RLL   suggestion on indirect addressing.
14-AUG-74 14:14 (GJOURNAL, 23793, 1:w)
*****Note: [ACTION] *****

7b21a1

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   7b21a1a

KIRK 14-AUG-74 17:04 23797
Addressing in commands by bugging a link
Location: (GJOURNAL, 23797, 1:w)
*****Note: [INFO-ONLY] *****

7b21a2

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
7b21a2a

B/T/[B/A] for CONTENT (LSEL)   7b21a2a1

where the parameter in square brackets for LSEL
wants an address (or link, depending on your
point of view),   7b21a2a1a

B/A/[B/T] for SOURCE (SSEL)   7b21a2a2

B/A/[B] for DESTINATION (DSEL)   7b21a2a3

I see no inconsistency with TNLS where A: <CA> means
"the location of the Current Marker",   7b21a2b

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,   7b21a2c

DVN 15-AUG-74 08:21   23798
For Indirect Addressing in Editing (support for 23793)
Location: (GJOURNAL, 23798, 1:w)
*****Note: [ACTION] *****

7b21a3

Robert's right, I have frequently missed being abtle
to bug a link as a source of a copy etc,   7b21a3a

KIRK Use of the equivalent of a DeFault SeLect (DFSL?) (Same
as TNLS CONTENT = TYPEIN / [ADDRESS], In DNLS = T:/[B:/A:],)
would allow the user to CONFIRM a command without having to
type anything for the default, This would save typing the
special control characters <"N> and <"U> in order to change the
default for the most frequent use in some commands including
the following,   7b22

Append Statement (at) SOURCE (to) ADDRESS <NULL> / TYPEIN /
BUG / [DAE] CONFIRM   7b22a

This forces the user to type a null character (<"N> or
<SP><BS>) whenever appending without inserting any text
between the appended statements,   7b22a1

Because bugging text to go between appended statements is
more infrequent than not inserting any text between

statements (NULL), and in order to make the TNLS Append
more closely parallel the DNLS Append, I suggest changing
the syntax to be: 7b22a2

Append Statement (at) SOURCE (to) ADDRESS DFSL CONFIRM   7b22a3

Append Statement syntax (5 bugs required) is too
lengthly; possibly use optional text, intervening text,
or insert added text, instead of to-through   7b22a4

RLL suggestion on a new append statement
23-OCT-73 08:41 19825 Message:
 after a execute insert sequential there exist a nls file
with no structure, we have found it desirable to
structure it by joining (appending) several statements
together. however, the append command operates on
statements only, we suggestion that aappend be extended
to groups, so that one can append to a statement from a
group of statements. namely, append to statement .1 from
.3 to .13 etc, one could call this ommand group append
to distinguish from append, robert lieberman of nsrdc

                                                              7b22a5

COnnect (to) Directory USERNAME CA <CONFIRM / <°u> PASSWORD
CONFIRM>   7b22b

requires a CA followed by <°u> in order to specify a
password (instead of nothing or <SP> as in Tenex).
No-password can be the default field and the password can
be typed in without requireing <°U>. The command would
be: 7b22b1

COnnect (to) Directory USERNAME CA (Password) DFSL
CONFIRM.   7b22b2

Ken Tells me that this is desirable in other Directory
commands as well,   7b22b3

Output <Quickprint/Journal/Printer/COM> [File CONTENT /
Copies TYPEIN] CONFIRM   7b22c

This requires <°U> to specify another filename or number
of copies other than 1. The following syntax would
eliminate the need to type <°u> and could also save
accidental printings by following the double command
accept convention,   7b22c1

Output <Quickprint/Journal/Printer/COM> DFSL CA (Copies =
1?) DFSL CONFIRM   7b22c2

        Set Name delimiters should be considered.   7b22d

    DVN 18-JUN-74 08:29   23392
    Strings for the Scope of Subsititute
    Message: I.e. Substitute character in text. What ever happend
    to that good idea?
    *****Note: [ACTION] *****
                                                                           7b23

Automatic repeat of commands with Commandwords available along
with the first parameter (a la NLS-7)   7b24

    CML should be modified so that after typing the noun in
    addition to the parameter (e.g. B:/[A:]) all of the command
    verbs in a subsystem can be made available. This is so
    those people who think this capability from the old system
    is valuable can write their own subsystem to do this.
    (22175,) (KIRK)   7b24a

    2) Repeat   7b24b

        Can't we have a more intelligent implicit way of getting
        out of repeat mode as in old system by having it
        recognize that characters being typed are illegal at that
        point and try to interpret them as commands?(22931,)
        (RWW)   7b24b1

    -(23116,) (MDK) I am personally not satisfied with the
    automatic return to "command reset" mode after every command
    terminator.   7b24c

        The use of "RPT" is not a satisfactory mechanism,
        especially since it usurps the <control-b> that was
        previously used for the old center-dot function --- an
        annoying need to relearn an old habit.   7b24c1

        I don't have an obviously winning solution; but my own
        preference is simply to type "command delete" --- very
        simple with the mouse, not so simple with a TI --- when I
        know I want to start a new command. Perhaps this is one
        place where the old difference between TNLS and DNLS
        syntaxes should prevail.   7b24c2

    19-JUL-74 1558-PDT FEINLER: New NLS
    Distribution: FEEDBACK, feinler
    Received at: 19-JUL-74 15:58:45   7b24d

        To verbalize some of my reticence to use the new
        NLS :   7b24d1

 - There are too many confirms and too much
undefinable verbage in the command language. I find a
few
of the commands almost unintelligible with respect to
what I am expected to do. (ex. Sendmail, Append)
The number of interruptions from the command language
interfer
with my concentration on the job I
am trying to do.   7b24d2

 - The fact that each command is cancelled after it is
executed once
cust way down on efficiency. For instance,
if I am jumping down through a file changing a statement
here
and some text there. In the old system I could go back
and forth
between the jump command and the insert command with one
bug.
Now I must retype the command from scratch. If I have
a 'hold' on a command in the new system so that it does
not
go away after each use, then it is cancelled every time I
have
to do a jump. Also the double button routine is
difficult
for me to execute - not infrequently I hit both but only
the
command delete registers thus canceling my work.   7b24d3

I have mentioned that 'jumps' and text finding seems
slower in the
new system than it does in the old. HGL is checking this
out.   7b24d4

These are verbalized here not to 'knock' the new system
but rather in the hopes that they will be
useful user comments.   7b24d5

Execute Verbose could put him in the most verbose mode for all
feedback for the single following command when it's an
unfamiliar one such as show drectory (21703,) (21711,) (DVN)

                                                           7b25

KIRK 11-AUG-74 00:58 23758
Ampersand should be a valid character in a statement name.
Location: (GJOURNAL, 23758, 1:w)
*****Note! [ACTION] *****

                                                           7b26

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.   7b26a

DVN 10-JUL-74 21:34   23591
For a Means of Highlighting Strings that Are the Object of
Content Searches
Location: (GJOURNAL, 23591, 1:w)
*****Note: [ACTION] *****
                                                                        7b27

We are now trying to print via COM some files that came over
from another system that included an hyphenation program (as
many do) which leaves words with "- " in their midst
wherever they now occur in the resulting NLS statment. It
happens that many of the statments are very long, more than
a screenful in some cases, We cannot merely do a mass
substitute because the text includes dashes.   7b27a

What we need in this case is something we often need in
eidting, a way of visually highlighting a string which is
the object of a subsistute or a content search Then an
editor could go rapidly thrugh the text, sight every "- " in
a moment, and decide it's fate quicly and easilly.   7b27b

Since, as I understand it, underline is avialabe both on
tasker and on the devices supported by the line processor,
underline seems a good way for NLS to highlight strings
I have mentioned this problem before, probably not loudly
enough. If NLS is ever to compete as a production editing
system, (journal,23555,) it needs some such feature. Most
word processing systems do. The information that a string
occurs somewhere within a statement is just not enough for
production editing on displays.   7b27c

Jump to Bottom of window.   7b28

KEV request for a new nls command
5-JAN-73 13:53 13709 Message:
 It would be nice if there were a jump to bottom command in
NLS that function similarily to the curent jump to item
command except that the item selected became the new bottom
line of the screen. Viewspecs that matter (such as the e
viewspec) could be take relative the the bugged item. This
command would be very useful in looking at assembly files
for example.
                                                                        7b28a

20

RLL 9-AUG-74 10:43   23750
A new jump command suggestion,
Location: (GJOURNAL, 23750, 1:w)
*****Note: [ACTION] *****

7b28b

I have often found that I wanted a window view showing
the last (tail) part of the plex. Jump to tail shows
only the tail statement and what follows, I suggest we
have another jump (e,g, jump to full tail) that would
have the tail statement as the last line of the window,
this would give a full screen view of the last part of
the plex, Of course it would obey viewspecs, A more
general set of jump commands would be a tjump, Where
tjump noun does the same as jump noun but positions the
bugged (or addressed) statement at the tail(end, bottom)
of the window, Rob

7b28b1

(KIRK)

7b29

Allowing edges to be moved anywhere up to the margin and then
moved back,

7b30

Jump to previous screen composition, including windows that
have been moved away, (MDK)

7b30a

Allow a user to type "Execute command in TENEX" which would
take him to the exec to do one command and then allow him to
return (22815,) (KIRK)

7b31

-(23116,) (MDK) you can of course "goto tenex", but you
can't "execute command in Tenex" --- so tenex is not a true
subsystem !

7b31a

HELP Software DEVELOPMENT

7b32

Free text input

7b32a

RWW 1-MAY-74 16:15   22874
help system needs
Message: Some suggestions fo Help, w need to instrument
help to see path etc, It would also be nice to let the
user input free form text to express his question or
problem and whether or not it got answered or what ever,
*****Note: * action * *****

7b32a1

Brief views specifiable by user

7b32b

User Feedback Decisions leading to NLS-8.1

RLL 23-APR-74 12:48   22804
help system suggestion
Message: suggestion on help system; the show < command
returns one to next higher level; fine. But in TNLS it
would be nice to return to this point without printing
out all the "help" info again includingg the menu (it was
presumedly printed out before and one can look at it).
Yes, one could use the control O command to cease
printing but this is not 'neat'. If not too hard
suggestion a show <n command to supress the printing.

7b32b1

Most frustrating thing is finding two or more objects on
the menu you want to examine. You go after one, but it
is very difficult to get back to previous menus. The
best thing to do, apparently, is type SHOW T:/[A]: "
until you get to the place where you can re-select. The
large penalty for doing so is that you have to look at
that piece of text again. There really ought to be a way
to get only the previous menu in the tree. (RICART)   7b32b2

Shopping list for the NLS part of the NSW   7c

    TO: NSW Development Group   7c1

    From: EKM   7c2

    This is a first draft of the 'shopping list' for the NLS part
    of the NSW. It needs priorities, time estimates, additions,
    deletions and copious editing. Could you look it over, mark it
    up and bring it to a meeting tomorrow at 10:30 to finish it. 7c3

    Working Paper for NSW Meeting   7c4

    This paper outlines a set of possible NSW NLS tasks to be
    performed by ARC-SRI. It is intended to serve as a basis for
    discussion for the NSW NLS meeting at the end of September.
    Suggested priorities have been assigned to each task with the
    expectation that these will be revised at the meeting.   7c5

    Make the new NLS system now running at ARC the standard NLS
    system at OFFICE-1.   7c6

        This task is almost complete. Major remaining portion is
        completion of the new help system and a NIC query system. 7c6a

        New features are described in (nls,mods,).   7c6b

    NLS frontend backend split   7c7

The current state of the split is that the source has been, somewhat roughly, divided into frontend and backend files based on our current percepion of what these should be. The compiled files are all loaded together as before.   7c7a

We need to complete the design of the frontend/backend communication protocols and implement them. Then we can try running NLS with the two sections in separate forks and then with the two sections in separate computers.   7c7b

Specify, design, implement, and document a COBOL programmer's interface.   7c8

Under user control, automatically complete the spelling of COBOL reserved words while inserting COBOL source code   7c8a

Automatically apply structure to the inserted source code   7c8b

Help ensure syntactic correctness of the inserted source code   7c8c

Attempt to use existing data definitions to   7c8d

Provide spelling cmpletion when requested   7c8d1

Request new definitions and documentation when a new identifier is used by the programmer.   7c8d2

Provide a debugging facility.   7c8e

Provide capability to generate test data files.   7c8f

Preprocessing of Source Code Prepared for Remote Job Entry for COBOL Compilation   7c9

A Remote Job Entry (RJE) facility will be made available through the NSW Works Manager. This facility will allow the NSW user to, among other things, compile and execute his COBOL programs on various machines available within the NSW environment that provide the required RJE facilities. An NLS preprocessor would take the source code prepared by the NLS COBOL programmmer's interface and format it appropriately for further handling by the NSW Works Manager. 7c9a

Provide a special interface for programmer support personnel including secretaries and clerical workers. The interface will include the following capabilities: 7c10

On site study of present working methods and needs.   7c10a

Simplified editors, one taylored to display terminals and
another designed for hardcopy terminals,. Use less
technical language, e.g. paragraph for statement,   7c10b

   It might be useful to provide a Wylbur-like, line
   oriented, unstructured editor for TNLS,   7c10b1

Preparing and sending mail   7c10c

   This would include an analog of the letter program and an
   interrogate system for sending the mail,   7c10c1

Reading the mail   7c10d

Sorting and filing the mail   7c10e

A calculator facility to handle simple bookkeeping tasks,   7c10f

A system for filling in forms,   7c10g

A series of SHORT CAI courses to intruct personnel in each
phase of the system. (Note: this can probably be
implemented using the process commands in branch command
with the facility that allows user feedback,)   7c10h

Document production and publication system,   7c11

Entering text into the system   7c11a

   Directly from a computer terminal   7c11a1

   From a document prepared on a typewriter using OCR   7c11a2

   From a cassette device prepared off-line, e.g, mtst
   tapes,dex cassettes, any 'smart' terminal storage device, 7c11a3

   From a file existing on any NSW host computer via the
   network

                                                         7c11a4

Editing text in the system   7c11b

   Simplified NLS editor subsets designed to allow temporary
   personnel and people who only use the system occasionally
   to learn quickly and perform basic text editing, (see the
   section on the interface for programmer support
   personnel,)   7c11b1

   Full NLS editor, Expanded features might include: 7c11b2

'column' and 'row' entities   7c11b2a

A 'table' entity,   7c11b2b

A 'heading' entity   7c11b2c

A way to mark off editor's comments,   7c11b2d

Add elipsis capability in content searches   7c11b2e

Add an option to the content analyser that displays
only statement numbers or sids of statements that pass
the filter without displaying the associated text,
This is particularly useful to users working at hard
copy terminals,   7c11b2f

A way of high lighting character strings within a
statement that are the object of a content search,   7c11b2g

Underlining and overstriking   7c11b2h

More powerful programs to generate tables of contents,
indexes, and bibliographies,   7c11b2i

Formating text for printing/displaying   7c11c

First NSW implementation to be based on the current
output processor with some added capabilities,   7c11c1

A two-pass system that would know on the second pass
the boundaries of each page, and thus compose
footnotes, glosses, paged indices, columns that break
accros the page, etc,   7c11c1a

A two-pass system is more than twice as expensive
in CPU time and only occasionally useful; it should
be an alternative,   7c11c1a1

A way of highlighting (i,e, by bright characters) test
strings that are the object of a content search,   7c11c1b

,SIDS=ON;   7c11c1c

Directives (or whatever) to mark off headings as
headings,   7c11c1d

Directives (or whatever) to creat non-NLS paragraphing
easilly,   7c11c1e

Directives invisible to the users, but present in the
file in, for example, the manner of markers,   7c11c1f

    Parts of highly formated files like the ARPA
    Network Resource Notebook are unreadable online
    because of the profusion of directives, We resort
    to the cumbersome procedures of a separate file to
    read online and another to print from, with
    attendant maintenance problems,   7c11c1f1

    Alternatively or in the short run a viewspce that
    filtered out directives,   7c11c1f2

A way to mark off editor's coments in the text,   7c11c1g

    A two-pass machine and a way to tag statements as
    glosses would serve well,   7c11c1g1

Proofs available rapidly near the user's terminal,   7c11c1h

All (underlined) display viewspecs should be observed,
                                                            7c11c1i
A way to call for non-ascii characters including
graphic entities like braces of various sizes, flow
charts symbols, etc,   7c11c1j

A display system whereon the page appears as it would
appear printed,   7c11c1k

    Such a display would be useful even if it did not
    show real fonts, but only layout,   7c11c1k1

As a step beyond the formatting programs, an
interactive subsystem that would allow the user to
instruct the system about layout via simple English
words and graphic devices rather than by writing in
bits of code (the directives),   7c11c1l

    Such a system should be able to guide the user by
    questioning her intellegently about her wants,   7c11c1l1

A forms system that allows the user to instruct NLS in
the layout of an external form and to subsequently
call for given files or other units of data to be
printed into the proper boxes in instances of that
form, (21808),   7c11c1m

System of varying degrees of sophistication for entering
format directives into a file,   7c11c2

Direct entry using the editor. This assumes a
sophicated user, thoroughly trained in the the use of
the output processor.   7c11c2a

An interrogate system which asks the user questions
about headings, footers, fonts, etc, and is
essentially self teaching.   7c11c2b

A set of special purpose formatting routines taylored
to a particular set of needs. e.g, Air Force
specifications for 1) copy produced on a line prnter,
2) COM hard-copy, and 3) microfiche.   7c11c2c

Rewrite the output processor to be a completely
interactive and generalized portrayal generator.   7c11c3

Graphics   7c12

Simple drawings   7c12a

A graphics work station would consist of a standard
alpha-numeric display and a graphics storage display
connected to the frontend through a single line
processor. A file displayed on the alpha-numeric display
would show all text in the file and would have a special
notation to designate areas where pictures would appear.
The graphics display would show the picture and any text
associated with it.   7c12a1

In graphics mode the user could make simple line drawings
with the mouse, depressing the proper mouse button to
designate the beginnings and endings of lines.   7c12a2

The user could move a line or entire figure and perhaps
change the size of a figure.   7c12a3

Text associated with the picture such as captions,
labels, etc., could be edited at the alpha-numeric
display.   7c12a4

The work station could include a printer to allow
hardcopy of the pictures and text shown on the graphics
display.   7c12a5

For better quality output the edited file could be
processed for COM and printed that way.   7c12a6

Flow-chart production   7c12b

27

Here we need a new set of entities that offer flow
charting symbols, e,g, a diamond shape to indicate a
decision point, a special shape to indicate printed
output, etc,   7c12b1

There should be a standard set available and the user
should be able to define, by drawing and nameing for
example, new entities,   7c12b2

The user should be able to change the size of each
occurence of an entity, associate text with the symbols
and manipulate connectors between symbols,   7c12b3

Provide user documentation in the form of an online HELP
database and command language reference manual summary,   7c13

NLS user documentation will exist in two forms: online and
in appropriate hardcopy forms,   7c13a

Hardcopy documentation will exist in the forms agreed
between ARC and ARPA, such as cue cards, introductory
guides, scenarios, or more extensive user guides,   7c13b

Online documentation and HELP databases will exist with
appropriate easy-to-learn methods of access and browsing,
Some simple tutorial facilities may be available as
required,   7c13c

More sophisticated NLS tutorial and HELP facilities can
evolve in later NSW system versions,   7c13d

Perform any modifications to the NLS file system that may be
necessary to integrate it most efficiently into the larger NSW
file system and conventions,   7c14

Deal with problems of file transfer and use imposed by
network bandwidth, This may involve partial paging of files
across the network,   7c14a

Measurement and analysis of cost and effectiveness of using
current traditional tools and working procedures in each area
expected to use the new system,   7c15

Programmers and analysts,   7c15a

Program documentation production and control,   7c15b

Secretarial and clerical support,   7c15c

It is hoped that these figures will fall out of existing Air Force accounting reports,   7c15d

Measurement and analysis of cost and effectiveness of using the new NSW tools and working procedures in each area using the new system,   7c16

We need a plan for this at least by July 1.   7c16a

Training   7c17

Question: do we train programmers and secretaries, etc, or do we train trainers of programmers and secretaries? We need a plan,   7c17a

Suggested Additions to shopping list   7d

Full NLS editor, Expanded features might also include: 7d1

Implement or interface an automatic spelling program,   7d1a

Make the site field work (windowing or copying in appropriate instances) for remote file access in links,   7d1b

"Included" links under viewspec control to allow cross-file substitutions, editing, and searches,   7d1c

Augmented Feedback, Analysis, and Decision Process: 1/8-1/4 person year,   7d2

An ongoing, effective, responsive, user feedback-decision process is vital to the survival of any living system,   7d2a

"ongoing" means day-to-day, week-to-week, month-to-month, version-to-version of NLS,   7d2b

"Responsive" implies automatic user voting and weighted opinion gathering mechanisms as well as easy access to the current status of suggestions and projects,   7d2c

"Effective decision" implies analysis,   7d2d

This would also include date, person-hour, and cost projections for appropriate features and projects,   7d2e

Simple, easy too use, information retrieval system with a database consisting of an easily queryable integrated online handbook, 1/2-1 person year,   7d3

contents of the handbook could be: 7d3a

 Work Manuals with basic conventions and step-by-step
 algorithms for accomplishing and automating specific
 tasks,   7d3a1

 Userguides for general purpose learning,   7d3a2

 An open-ended glossary, thesarus of special terms,   7d3a3

 A dictionary of standard definitions   7d3a4

 An index of keywords   7d3a5

 An interface to online help facilities,   7d3a6

 Online document locator for important or special
 documents,   7d3a7

 Decisions and Decision Algorithms for feedback, analysis,
 and decision operations,   7d3a8

 Accounting and financial information,   7d3a9

 Catalogs of available online and offline materials,
 (Books, reports, articles, video-tapes, etc,   7d3a10

 Directories of individuals, groups, and organizations
 with published online materials by author,   7d3a11

 Doug Englebart's thoughts on the NLS Handbook,
 References...   7d3a12

"Integrated" means file independant, Cross-file searching,
linking,   7d3b

A back-link capablity,   7d3c

Make the site field work (windowing or copying in
appropriate instances) for remote file access in links,   7d3d

Simple, easy to use, information retrieval system in this
application means it must be general enough to operate on
the average NLS file WITHOUT the user being aware of or
needing to know about structural relationships, view
specification codes and file size limitations, It would
require the minimum number of button pushes to use for this
application,   7d3e

User Feedback Decisions leading to NLS-8.1

Table of Contents program   7d4

    RLL 24-JUL-74 00:06   23671
    user prog suggestion: assignment of numbers to plex
    statements at beginning of statements
    Location: (GJOURNAL, 23671, 1:w)
    *****Note: [ACTION] *****
                                                                             7d4a

        How about a user prog that assins outline numbers to
        statemnts in a plex/branch/group under controlling
        viewspecs(levels only), Some debault couldbe used as the
        numbers (uppercase roman numbers, upper case roman
        letters, arabic numbers, lowercase roman letters,
        lowercase roman numbers,) There should be a simple
        command for just numering the plex with the given type
        (this could be a simple version of the overall command or
        aother command,) you can hhve a set mode command to set
        the kind of number or ask for it each ime therequest is
        made,   7d4a1

User-program integration into NLS suggestions,   7e

    Currently Append Branch is not implemented, It would be easy
    to implement by having it do exactly what append statement
    currently does, Append plex and group is another story, They
    should work like the Append user program in the running system,
    (22059,) (KIRK)   7e1

    A Break Branch command should work differently from the break
    statement command, It should put the original substructure
    under the new statement instead of under the original
    statement,   7e2

    Break Group and Break Plex commands should break at every <EOL>
    in statements at the current level ignoring substructure and
    viewspecs,   7e3

DOCUMENTATION DEVELOPMENT
DB: Data Base
 > this contains items that have not yet been assigned to a person
or are controversial, For assigned tasks, see <nls,mods,done>   7f

    Create and maintain a reasonable tree structure with which the
    user can identify, This depends on an accessing system that
    allows the user to see Map and Full views, And allows the user
    to take reference links located in a node, (Reference links are
    not classified by the node and therefore do not belong in its
    substructure,)   7f1

The treeishness is very confused by the arbitrary allowed
branches. Let's say that you are trying to find out about
subject X. You are led down the tree, selecting various
branches. At one point, your eyes light up since one choice
is "all you wanted to know about X". You think that finally
you are going to get the info. In reality, it takes you
back to a previous menu and you have to start all over
again.   7f1a

DVN I really like the when FILENAME at the same spot spells
out its parts in the menued line.   7f1b

RLL 23-APR-74 17:50   22810
annoying loop in help menu system
Message: JUst came across a loop in the help system, I
realize that this probably occurs quite often, however it
was a bit annoying to Kep seeing in menus the same
selection. The particular instance in this case was with
ITEM, show item has 1, message and show message has 1, item,
guess it would be too hard to prevent this sort of tight
loop (a stack of the last menu items called might
beinspected before system goes off- if recently displayed
then could user option of aborting this selection).

                                                                  7f1c

10-MAY-74 0545-PDT JERNIGAN: HELP Loop in Programs Section
    Distribution: FEEDBACK, Jernigan
    Received at: 10-MAY-74 05:45:51   7f1d

    There is apparently a loop in the HELP Database under the
    Programs Subsystems section. (1) into the Programs part
    of Subsystems; (2) Show "loading user program" which is
    item 3. (3) At this point a section of information comes
    up entitled "loading user programs" and under it
    there;are a "show also" selection plus 10 items. In the
    Show Also are "Programs Load, Filename, extension". (4)
    Do a Show "Programs Load" and it shows a section of info
    with two items, first one which is "important loading
    information". (5) Do a Show "important loading
    information" (which is Item 1), (6) You get an Item not
    found; (7) do a show 1 (which is same thing), and you get
    "important loading information, a CR, and loading user
    programs: blah blah, which is where you started. I have
    the TI paper printout from the loop and will deposit it
    on SUsan's desk. (Point is, it is not important loading
    information if you just saw it from where you came in.)   7f1d1

The first line of every function statement could be the syntax.
Add syntax as first part of each function statement.   7f2

32

f) In help database, on some commands you get the syntax in
the menu, others not. I like getting the syntax as it may
not require me to go on. Let's adopt this as the uniform
convention. (22931,) (RWW)   7f2a

f.   SHOW DELETE MARKER (22871,) (MDK)   7f2b

This works o.k. but illustrates an undesireable feature: 7f2b1

The first line of the response says simply "MARKER". It
should say "DELETE MARKER". This comment holds for all
SHOW's for which the object is a stacked statement name:
the first line that results from execution of the SHOW
command should contain the entire stacked statement name.   7f2b2

Change all STRING and STRUCTURE and SUBSYSTEM references in
Function, (syntax and example) to a reference for each
command-noun.   7f3

Backlink system   7f4

Whenever the Insert Link command is used,   7f4a

before it inserts the link, it parses the link and   7f4a1

finds the addressed statement and   7f4a2

places a link appended to the end of the addressed
statement   7f4a3

preceded by a carriage return, and   7f4a3a

surrounded by pound signs: #<01234>#   7f4a3b

It then inserts the SID of the statement addressed by the
inserted link   7f4a4

after comment dashes   7f4a4a

after the address inserted by the user.   7f4a4b

If it does not find the addressed statement,   7f4a5

it will insert the link without the "-- SID"   7f4a5a

but only after sending out a message and requesting an
extra confirmation.   7f4a5b

The delete statement command   7f4b

checks to see if any links delimited by # are in the
statement, and   7f4b1

if one is found, refuses to delete the statement.   7f4b2

If the user still wishes to delete such a statement, he must
use the Delete Referenced Statement command,   7f4c

The Renumber SID's command will check for links and either
not work, or else only renumber those statements without
links,   7f4d

You must use the Renumber Referenced SID's command to
renumber referenced statements,   7f4e

Suggestions outside the realm of NLS code,
 > Network Information Center Feedback sent to ident NIC,   see
Jake Feinler to determine status,
 Operations and User Development feedback sent to indent FEED,
see <OFFICE-1, FEEDBACK, FEED,> or Jim Bair for status,   7g

     DVN 20-MAY-74 19:38   23062
     response to Response
     Location: (MJOURNAL, 23062, 1:W)
     *****Note: [ACTION] *****
                                                                7g1

     I think "Force Case" is much nicer than "set Case mode",
     (mjournal,23019,1g) How about "show markers",,,."Show File
     Marker" is two extra key strokes considering "marker" is a
     second character name in expert expert mode,   7g1a

OPERATIONS & USER DEVELOPMENT (UD)   7g2

   ARC Environment   7g2a

     KIRK 1-FEB-74 12:28   21723
     NP for an Offquota command
     Message: The equivalent of an Offquota command (for the
     group allocation system) is needed to maintain the
     first-on, last-off convention and make cooperation among
     members of each group much less painful, This would
     allow you to keep your place in the offquota stack when
     another member of your group is scheduled to be onquota,
     Currently when you are automatically made onquota, you
     must log out to allow a scheduled person to log in,
                                                                7g2a1

   Interface to video-tape cassette machines,   7g2b

Hardware   7g2c

  Mouse and Keyset   7g2c1

    I want two mouse-sets with five buttons each instead
    of one mouse and one keyset (KIRK)   7g2c1a

  Typewriter terminals   7g2c2

    KIRK Features desired in typewriter-like keyboard
    hardware for optimal user control.
    24-JUL-73 20:47 (LJOURNAL, 17999, 1:W)

                                                              7g2c2a

  Printer   7g2c3

    RWW NP for a Printer Escape Mechanism
    17-JAN-73 10:05 13857 Message:
     A problem has arisen today which has been seen
    before, namely someone sends a very large file or
    large number of copies of a file to the printer and
    then realizes he made a mistake, in the meantime the
    printer is tied up for 20-30 minutes. Can an escape
    mechanism be put in the system so the the operator can
    tell the printer process to stop printing the current
    file and move on to the next on in the queue?

                                                              7g2c3a

TENEX
(secondary distribution to KEV & DCW)   7g2d

    The message "use downtime command to see new up-down
    schedule" would be a valuable thing if it only appeared
    when there was a new up-down schedule. (22176,) (KIRK)

                                                              7g2d1

    JI TENEX/NLS File Compatibility : A mini-suggestion
    30-OCT-73 07:55 19908 (JOURNAL, JRNL15, J19908: gwy)

                                                              7g2d2

    DHC Archive lsitings briefer
    12-NOV-73 14:41 20174 Message:
     I am really glad to see the Archive stuff getting
    polished, a VERY strong request, tho, is to make the
    printing of what tapes thefiles are on OPTIONAL (default
    to DON'T print). If the Archive system works properly,
    the user doesn't actuallyever need to know the the tape
    numbers,

And it will greatly speed up the listing process.
(Dave.)

7g2d3

JBN   Repeated Request for Truncated Print of ARC SNDMSG
3-AUG-73 08:26 18187 Message:
Again, I would like to request that local sndmsg be
fixed so that it prints on 8 1/2 paper rather than across
the printer paper. As you know, sndmsg from outside stops
at the perforation, and it is inconvenient that ARC
messages do not. I am sending this only to NP. If that is
not the place, would you forward the request. -- Jeanne N

7g2d4

IMLAC   7g2d5

DHC   IMLOAD for Imlacs attached to TIPS
23-APR-73 12:54 16048 Message:
The IMLOAD program should be able to reload an imlac
attached to a TIP port, just as SENDPRINT can divert
output to a TIP port (ostensibly a printer). This way,
a crashed imlac could be reloaded , using another
trminal, without having to put a standard
editor into the imlac.

TIP Divert Output doesn't work. I have tried it many
times and apparently too much dirty data get into the
loader stream.

7g2d5a

DHC   IMNLS changes that should be
25-APR-73 13:17 16163 Message:
These two suggestions are courtesy of Mark Kampe: 7g2d5b

1. Make the functioning of the "direction" buttons
an option which is user settable (It would be
option 'A', after option 'O'). This would allow
users to use the buttons, to control the cursor,
instead of the bug. Also, please have UCLA's option
begin enabled. Also, the option should not exclude
use of the bug, while it is enabled.   7g2d5b1

2. Use the 'clear screen' instruction (or clear
data area) as a button (page xmit?) on the board,
under user control.

7g2d5b2

Scheduler   7g2d6

JEW scheduler gripe * 20-FEB-73 17:18 14551--
Scheduler gripe
It's a Nice Place to Visit, But Why Do I Have to Live
There?
Location: (IJOURNAL, 14551, 1:w)

7g2d6a

Archive System   7g2d7

JEW 4-MAY-73 14:08 16282
Adding a DELETE Function to BSYS
Location: (IJOURNAL, 16282, 1:w)

7g2d7a

KEV 16-JAN-73 14:04 13827
archive status of nls files
Message: It would be nice if nls propagated archive
status when it did an update file

7g2d7b

DHC 13-JAN-73 11:03 13799
QFD
Message: It is very irritating not be able to use the
'qfd' command in tenex,
and therefore to have to print out a rather long
directory list.

I can't believe it is computationally expensive to use
that commands.

7g2d8

Network   7g2e

JEW NP NLS GLITCH, Underscore Represented as Vertical
Bar for Net TTYS %map into UNDERSCORE BACKSPACE%
27-FEB-73 13:49 (IJOURNAL, 14810, 1:w)

7g2e1

NETWORK INFORMATION DEVELOPMENT (NIC)   7g3

Functional Documents   7g3a

MEJ 4-MAY-73 18:14 16284
Desired Catalog changes
Location: (IJOURNAL, 16284, 1:w)

7g3a1

JAKE   5-MAY-73 21:23 16300
Siteidents

Location: (IJOURNAL, 16300, 1:w)

7g3b

    Comments: Suggested method for assigning siteidents   7g3b1

RWW * 10-NOV-72 10:33   12718
Three Tasks Requested of JEW for Evolution of NLS
Integration into the NET
Location: (LJOURNAL, 12718, 1:w)

7g3c

DHC 12-JAN-73 11:42   13776
Making nls use the Net more Efficiently
Message: It appears that nls is quite inefficient in
composing network 'messages'.   7g3d

    Clearly it has no choice when echoing characters, but
    when sending out relatively large quatities of data (and
    relative to single-byte echoing, 20 or 30 characters is a
    large gunantiy) a larger message-size should be
    attempted. Perhaps a 1000-bit (one packet) buffer, vs.
    2-3 seconds between messages should determine
    transmission. I.e., try to filla packet, but if it takes
    mor than 2 or 3 (or whatever seems reasonable) seconds of
    real time, send the message off 'now'.   7g3d1

    1k bits desn't seem like an unreasonalbe buffer (unless,
    of course, TENEX does nasty things to keep you from it.) 7g3d2

    Please let me know what you think of my thinking. If I
    am off base, I would like to undestand how.

    thanks.
                                                           7g3d3

ANALYSIS   7g4

  feedback process   7g4a

    28-MAR-74 0920-PDT BAIR: Feedback mechanisms
        Distribution: FEEDBACK, islei at ISI, bair
        Received at: 28-MAR-74 09:20:06   7g4a1

        Jon, It all of a sudden has become very clear that we
        must coordinate on our separate feedback endeavors.
        We have a mechanism for subscribers to th Utility that
        is being refined now after 2 months of operation (see
        -- bair,feed,1) @ SRI-ARC. I have looked at your
        groups document and could discuss it with you.

particularly from the viewpoint of a Behavioral
Scientist. Anyway, we are having our final meeting
next week (3 Apr). There seems to be no question that
there will be 3 mechanisms, o
at ARC, 1 at Office-1, and the NET. They have very
different characteristics and serve different
communities. Looking forward tohearing from you, Jim   7g4a1a

JMB - A suggestion she sent in was forwarded to a
programmer who in turn contacted her for more information
that was specified in the original suggestion.
Reinforcement for distributing original text of items.   7g4a2

JHB - I would like to see an acknowledgment when action
is taken, and only then. Otherwise the assumption would
be that none was taken.   7g4a3

DVN 30-JAN-74 20:04 21688
Against Feedback for Now
Message: Please don't give me feedback on all the flack I
have been sending you!
These days, we are going though a kind of debugging of
newnls. Most suggestions are really notices of what the
sender thinks are bugs either in the code or in his view
of the was the system responds to the user.
As we get more settled, the situation will be different,
suggestions will be more constructive and long term. Then
it might be useful to give feedback. Perhaps request fo
feedback should be some kind of option.

                                                           7g4a4

KIRK 31-JAN-74 15:21 21700
Response to Susan's (21685,)
Message: Your message asking whether NEWNLS stuff should
be acknowledged is a good idea. It didn't mention the
alternative of each user being able to easily find out
what happened to his suggestion by going to the NNLS
file, so you should judge the responses you get
accordingly. I think you know my feelings, but I'll
restate them here for the record. I think it would be
nice to be able to get a message telling me the status of
each of my suggestions each step along it's way to
implementation, rejection, or the limbo of contention.
However, this expensive service (even if pared down to a
minimum single message acknowledging reciept) should only
be undertaken if enough of a person's time (10-50% ?) to
do it right has been allocated by analysis, operations,
development or whoever. Until this time has been made
available, I think we should concentrate on making the

feedback mechanism as accomodating as possible for
someone to find what happened to their suggestion on
their own.

7g4a5

JEW Dispatching Users' Questions Efficiently
2-OCT-73 14:39 19420 Message:
Why not create an ident similar to NP and BUGS, called
HELP, to which users can address questions (as opposed to
suggestions or bug reports) about use of our system (eg,,
'How do I do such and such?')? This would not only
alleviate the very common problem (in my exerience) of
each person at ARC having to serve as dispatcher for
questions that he can't answer, asked of him simply
because the asking user knew his name; but it would also
(I would guess) serve to generate a data base from which
holes in our user guides could be patched. Maybe there
is such an ident already and I don't know about it and
nobody uses it (?). [Implementation Problem: There's
already a branch in the Ident File (although not an
ident) called HELP.]

7g4a6

KIRK NP for voting capabilities.
2-JUL-73 19:12 17608 Message:
I would like to vote for Jeannes suggestion (17590,) in
the NPS file but I don't know how. Is sending another
Journal message the only way? It might be worth while to
devise a simple voting system allowing people to
associate their ident by someone elses suggestion in the
NPS file. Decision makers might like to have an
indication of how much user weight is behind a particular
improvement. Maybe people would be more inclined to use
the NP and BUGS files if they could easily vote for
suggestions. I know one user who would feel he had a
little more of a role in the bootstrap feedback process.
(17611,) (DVN)

7g4a7

other

7g4b

JMB 24-JUN-74 12:31 23439
re <GJOURNAL,23429,3g6> New NLS NPs
Message: I think that #3 Show Return Stack which is under
the New Commands Desired section of ADDITIONS should be
moved up in priority to the New Commands Desired section
of CHANGES, because the lack of such a command, or an
alternative solution, is an inconsistency (there is a
Show File Return Stack command) and a serious frustration
in TNLS (there is no way to see where you will find

yourself before you go there, changing your stack--Slash
in an address now works only after you give the <CA>),
and is even more than an NP in my opinion.

*****Note: [ACTION] *****

7g4b1

KIRK 16-APR-74 12:21 22742
My notes of the observations of Sandy trying to learn
xnls
Location: (LJOURNAL, 22742, 1:w)

7g4b2

Assigned tasks: > see < nls, mods, >
this needs to link to mods or something to avoid duplication. It
also hasn't been updated in over a month. If you could mark the
appropriate status for each item, I'll put it in the appropriate
category (done, rejected, Future discussion item, or Assigned to XXX,
I guess "on the list in MODS" would also be an appropriate category.)
That is the primary difference between the "Assigned" branch in FDBK
and MODS. MODS has the assigned person's IDENT by the item where
assigned, and FDBK has them in branches. Lets pick one way of doing
it and eliminate the duplication of effort across files.   8

CHI -- FRONTEND, CML, SENDMAIL   8a

EKM -- GENERAL NLS, COBOL INTERFACE <see -- nls,mods,>   8b

EKM -- CALCULATOR, OUTPUT-PROCESSOR,   8c

KEV -- TENEX INTERFACE, PDP-11   8d

DSM -- USERPROGRAMS, FDBK interface   8e

KJM -- SECRETARIES INTERFACE   8f

STAFF -- MYSTERY BUGS   8g

HGL -- HELP SOFTWARE   8h

DVN, JMB, KIRK: DOCUMENTATION, HELP INFO CONTENT <see--done>   8i

DIA -- LINEPROCESSOR, CML compiler
Charles, I'm trying to clean out the feedback file. Could you
look these over and note which ones have been fixed, or wont be
fixed? DIA says this should be done by you... He also said the
only one he thought would not be fixed is the LP-to-Tasker bug
reported by DVN   8j

41

User Feedback Decisions leading to NLS-8.1

        KIRK   lineprocessor bug
        14-AUG-74 14:52 (GJOURNAL, 23794, 1:w)
        *****Note: [ACTION] *****

                                                                        8j1

        Going into nls when your initial file partial copy is busy
        at another job freaks out or hangs your lineprocessor job,   8j1a

    RLL 5-JUL-74 07:23   23526
    LP bug, When tabs in text and updating done,
    Message: For DNLS and the line processor (with Delta D):   When
    there are tabs in text the LP messes the display up after one
    does updates, e,g,, replace word or character,   It appears that
    the updated line is split into two lines with the first part on
    the line below (yes below) and the rest of the line as   it
    should be, call me or try it yourself, Robert
    *****Note: [ACTION] *****

                                                                        8j2

    NDM 8-JUL-74 13:08   23547
    Line Processor Troubles: Tabs
    Message: When I edit a line with tabs in it, the system goes to
    rewrite the statement, and after the line with tabs is puts in
    an artificial blank line, Viewspec-f works properly,
    *****Note: [INFO-ONLY] *****

                                                                        8j3

    NDM 8-JUL-74 08:11   23544
    Line Processor Troubles: SENDMAIL message
    Message: I did a message and it blanked part qof the screen (on
    Line Processor), That part was never restored,
    *****Note: [INFO-ONLY] *****

                                                                        8j4

    NDM RLL 10-JUL-74 12:27   23569
    Line Processor Troubles: Move Boundary
    Message: On the Line Processor, in New NLS, viewspec w (all
    lines all levels), when I move the Boundary of a horizontally
    split screen, only one line of each statement is displayed, It
    is cut after 72 chars, even if that falls in the middle of a
    word, If we turn off level indentation, more of the statement
    appears (filling the 72 char line), It seems the only way to
    recover is a TENEX reset! Haven't tried old NLS or work,
    *****Note: [INFO-ONLY] *****

                                                                        8j5

    NDM 10-JUL-74 12:37   23570
    Line Processor Troubles: Backspace in Literal Input
    Message: While typing in a literal (like in Insert Statement or

now during SENDMAIL Message), I type two lines, then begin the
third and see a mistake in the second. So I backspace through
all of the third line, then the next backspace erases the
char/word from the top line rather than the second line. It
actually does the right thing to the literal, but displays it
wrongly. Further backspaces are displayed properly.
*****Note: [INFO-ONLY] *****

8j6

NDM 11-JUL-74 09:02   23595
Line Processor Troubles: Update File Compact
Message: Update File Compact, on the Line Processor, tries to
refresh the display when it's about done. It takes some lines
down, puts some back up, and leaves me with a screen resembling
my file but with pieces of it randomly disorganized (in their
placement on the screen).
*****Note: [INFO-ONLY] *****

8j7

18-JUN-74 1807-PDT BAIR at OFFICE-1: Line proc error
   Distribution: FEEDBACK AT SRI-ARC, bair
   Received at: 18-JUN-74 18:06:57   8j8

   When doing a Jump to item, (got pbug error fndchr,... It
   continued in this mode apparently unable to accept a mouse
   bug.   8j8a

18-JUN-74 1814-PDT BAIR at OFFICE-1: lineprocessor
   Distribution: IRBY AT SRI-ARC, FEEDBACK AT SRI-ARC, ANDREWS
AT SRI-ARC, bair
   Received at: 18-JUN-74 18:13:53   8j9

   Perhaps something has changed, but I cannot get this thing
   to work in DNLS at Office-1. It crashes consistently after
   the third command in DNLS!!   8j9a

RLL 19-JUN-74 13:39   23410
refresh bug in LP
Message: Using the line processor (Wash), while in Sendmail, I
typed a long message of about 16 lines. Loaded file was
deleted line pr line as it should be when inserting text of
message, however when done, the message was cleared and the
file text was not refreshed, that is I had about 16 or more
lines that were blank. Did a refresh via mouse buttons and
viewspec f, Got all lines back but when doing the message bit
again in sendmail, the lines were not erased before the new
text was typed. Since it is happening now I do not know if the
line will reappear when i finish this message. Robert.

*****Note: [ACTION] *****

8j10

DVN 27-JUN-74 16:41   23486
SCSR JSYS error crstr
Message: For what it matters, when I quit at tasker, detacched,
attached at the line processor, and atempted to continue, that
was the error message I recieved, suceeded by a series of "NLS
Display Error."
*****Note: [ACTION] *****

8j11

NDM 27-JUN-74 13:57   23482
Line Processor Troubles: Split Screen
Message: I have a horizontally split screen, In the top window
I have viewspec g on (branch only) so part of the window is
blank, I deleted one of the statements in the top window, The
boundary and bottom window moved up to delete the line, but
never moved back down,

8j12

   Comments: happened in both old and new NLS   8j12a

RLL 26-JUN-74 07:29   23475
Bugs in viewing (maybe LP problem)
Message: Two bugs: DNLS at the lineprocessor; 1) when having
split screen (horizontal), wtih lower half having frozen st on
(viewspec o) I did a viewspec K (signatures on) and f (refresh
) the frozen statement dotts disappeared (there were no frozen
staements at the time), Turned on viewspec o again, tried
viewspec L (sign, off) and f(refresh) and again the dots
disappeared, turning viewpec o and f on worked, My guess: on
split screens with fronzen statements on, refreshing the screen
causes the frozen st to be turned off, tried the same with no
oslit screen and had no problems, (2) with no split screen
tried viewspec K and f, Got strnage view, namely it appears
that the system thinks i have a very wide terminal, the whole
staement appears (if I could see it) on one line, Of corse
this cuts the staement off in the middle of what ever is the 72
character, only way out of this is by resetting NLS, again;
this is DNLS with Lineprocessor,
*****Note: [ACTION] *****

8j13

18-JUN-74 1807-PDT BAIR at OFFICE-1: Line proc error
   Distribution: FEEDBACK AT SRI-ARC, bair
   Received at: 18-JUN-74 18:06:57   8j14

   When doing a Jump to item, (got pbug error fndchr.... It

continued in this mode apparently unable to accept a mouse
bug.   8j14a

18-JUN-74 1814-PDT BAIR at OFFICE-1; lineprocessor
   Distribution: IRBY AT SRI-ARC, FEEDBACK AT SRI-ARC, ANDREWS
AT SRI-ARC, bair
   Received at: 18-JUN-74 18:13:53   8j15

   perhaps something has changed, but I cannot get this thing
   to work in DNLS at office-1. It crashes consistently after
   the third command in DNLS!!   8j15a

  5-JUN-74 1635-PDT MEYER at OFFICE-1; Line Processor and
SENDMES user program
   Distribution: FEEDBACK, irby at ARC, andrews at ARC, white
at ARC
   Received at: 6-JUN-74 04:47:50   8j16

   Line Processor only gets blown out by SENDMES when SENDMES
   goes to try a network delivery. Jim white, ideas?   8j16a

NDM 31-MAY-74 07:33   23175
Line Processor Troubles: Empty Screen
Message: still awaiting new Line Processor and new program, so
don't know if this is fixed in new setup. After running a
Content Analyzer that returns "Empty", X recreate displayy with
viewspec j does NOT take down the "Empty". It just writes over
it when overlap.

                                                                        8j17

NDM 23-MAY-74 06:06   23096
Line Processor Troubles: Horizontally Split Screen
Message: screen horizontally split, I delete a statement in top
window: boundary and all bottom window jogs up one line as it
erases deleted line, then STAYS there. Recreate display in
bottom window does right thing but top line of bottom window
remains (duplicated as) bottom line of top window.

                                                                        8j18

MEH JHB KIRK 16-MAY-74 14:45   23023
lineProcessor feedback
Location: (MJOURNAL, 23023, 1:w)
*****Note: [INFO-ONLY] *****

                                                                        8j19

   author:JHB date:15 may 74 time:4:30   8j19a

      all of a sudden received stream of garbage characters, in

command mode that i couldn't stop.   some of them were
executed causing file to be renamed,   8j19a1

author:JHB date:15 may 74   8j19b

<^C> and con do not clear screen for tenex,   neither does
reset,   8j19b1

author:JHB   date:15 may 74   8j19c

split screen insert statement--dumped part of statement
into tenex window and doubled the viewspec fdbk,   8j19c1

author:JHB date:15 may 74   8j19d

would randomly not clear fdbk windows,   8j19d1

author:kirk   date:8 may 74   time:15:31   8j19e

backspace character (BC key) is defined to be <^H> which
doesn't wok in tenex and means something different in
NLS,   it should be defined to be <^A>,   8j19e1

author:kirk   date:9 may 74   time:9:18   8j19f

i had viewspec B and L and then changed to W but i only
got 2 lines no matter what i did after that,   i could not
get more than 2 lines for a statement,   8j19f1

author:kirk   8j19g

i got hung, characters went in but nothing came back,
reset LP and <^P> worked,   8j19g1

author:MEH   8j19h

same bug as one listed previously,   reset tip channel by
disconnecting modem,   works ok now,   for some reson tip
gets in a state where it will not listen to <^P>,   8j19h1

NDM 9-MAY-74 14:34   22933
Line Processor Troubles: Dialog to date
Location: (MJOURNAL, 22933, 1:w)

                                                                     8j20

Comments: Summary of Line Processor dialog in which I have
been involved,   8j20a

DVN 4-MAR-74 22:07   22182

Line Processor and XNLS Problems
Location: (HJOURNAL, 22182, 1:w)

8j21

I am working tonight in XNLS through the line proecessor, so
I am sending my problems in both directions.   8j21a

Fragments of my origen statement are all the time floating
in my input text; likewise my input text runs into the top
lines of my file, The fragments of the origien statement
are, I guess, the sourcce of ORG in caps which floats up
some times.   8j21b

Sometimes when I do jump to item the screen removes a
middle item or two, moves the jumped-to item up to second
place, and waits for a recreate display before making
further modifications.   8j21c

On one occasion Update File Old, pruduced some kind of
jumble on the screen, <control-t> followed by <control-C>
prodcued a complete jumble including the tenex teletype
image, and various fragments of my file, I reset.   8j21d

    Just now it worked fine.   8j21d1

Finally some one on a TI linked to me, I hit <control-c> to
see more lines, That got me the teletype face plus a
jumbled NLS screen, I reset, Then she wanted me to try
something in new TNLS, I reentered WORK intending to
simulated terminal type TI, But I was greated with a new
high in garbage, All kinds of shit like I'd not set up the
line procesor properly,.eg <control-c> echoed with a string
of chracters, I went to another terminal.   8j21e

                                                                       8j21f

JEW -- PROTOCOLS
I'm trying to clean out the feedback file. Could you look these
over and not which ones have been fixed, or wont be fixed?   8k

DVN 19-JUN-74 11:57   23407
You Can't Write on Updates from Journal Files,
Message: When you update rename from a journal file to make a
copy to work on, the new file inherits the journal file's
unwritability, If then update compact to a thrid file, you can
write on the compacted file,
*****Note: [ACTION] *****

                                                                       8k1

NDM 23-MAY-74 07:45   23087
Bug in User Program SENDMES
Message: The user program SENDMES cannot send messages to Tom
O'Sullivan, possibly because of the apostrophy in his name. I
can neither type it in nor accept the name offered by the ident
system. It blows out the line processor too.

8k2

Comments: I assume this will also be a bug in the new
system's equivalent subsystem.

8k2a

4-JUN-74 0521-PDT   MEYER: SENDMES
To: feedback
      Distribution: FEEDBACK, white
      Received at: 4-JUN-74 0536:34-PDT

8k3

I only wrote the interface to Jim White's SENDMES. I
haven't the skill nor the time to fix it. I would hope that
the code does get fixed before it is made a part of the
running system (in new NLS). --Dean

8k3a

NDM 31-MAY-74 07:31   23174
Journal SUBCOLLECTIONS command
Message: In Old NLS, in the journal subcollection, I can't
specify the subcollections SRI-ARC (the dash won't come out)
nor NSW (I type N at it puts up NIC). Also, with each
character I type, it does (on the line processor) a complete
recreate display. Also, it doesn't allow backspacing.

8k4

JDH -- FROZEN NLS
I'm trying to clean out the feedback file. Could you look these
over and not which ones have been fixed, or wont be fixed?

81

3-JUL-74 2304-PDT   KELLEY: there is an undeliverable mail
file in my directory
      Distribution: FERGUSON, FEEDBACK, white
      Received at: 3-JUL-74 23:04:30

811

I think it is the result of a bug in the new SNDMSG.

811a

DCE 10-JUN-74 15:44   23317
Bug in sort process for executable text
Message: Sort Plex process didn't use instituted SORTMERGE
program (I was using SORTREV) when executed as a command
statement via Process Command Statement (i.e it sorted in
normal ordering), yet the proper use of SORTEV occurred if I
executed the Sort Plex operation by hand -- no change in the
status of the program buffers or program-institution

assignments between these trial, Repeatable inconsistency,
*****Note! [ACTION] *****

812

   JCP -- TENEX   8m

Done! to be documented, See <nls,mods,done>   9

Documented tasks, fixed bugs, and answered questions
 > Bugs listed here are fixed, For tasks prior to August 1974, see
<24048, executed>,   10

   LPD One man's opinion of NIC/Query
   25-JUN-73 19:15 17443 Message!
    The NIC/Query language is distressingly verbose, I wanted to
   read various things in the ARPANET News and got a canned message
   telling me how to return to the contents (which wasn't even
   necessary to access other items) at the end of querying every
   item, I suggest that the implementor of NIC inform himself about
   the ZOG system built by CMU, which I feel provides a more
   reasonable user interface,

10a

   MEJ Branch 2 deals with suggestion that execute assimilate be
   sensitive to line viewspecs,
   4-MAY-73 18:14 (IJOURNAL, 16284, 1;W)

10b

      A confusing situation exists with the current operation of
      LEVADJ for commands (in TNLS at least) other than Insert
      Statement,(DUVALL)   10b1

         Specifically, if a character other that 'd or 's is entered
         (which may frequently be the result of a typo), the LEVADJ
         is terminated and the command is executed (which is normally
         not desired in, for example, move group),   10b1a

         I think that NLS should respond to an illegal chracter in
         these cases with a '?, and wait for another character,   10b1b

         EXAMPLE!   10b1c

            currently the command sequence "MB,a CA ,b CA e" Results
            in!   10b1c1

               Move Branch to ,a! from ,b!
               e
               *Execute   10b1c1a

Whereas I would prefer: 10b1c2

    Move Branch to .a1 from .b1 e ?   10b1c2a

with TNLS waiting for a legal LEVADJ character.   10b1c3

NEEDLESS RECREATIONS   10c

When you connect to durectory in xnls, it refreshes your
display.   10c1

In xnlas I just did recreat connect to directory, I didit
nicely but also recrated the display, which seems a waste of
effort.   10c2

In XNLS when you mark a character, the screen refreshes.   10c3

When I do an edit, like a delete or move, which effects only
things off the screen, it refreshes ayway, Surely a waste of
cyclles.   10c4

30-MAY-74 0903-PDT WATSON: User Progamm Hassles
Distribution: FEEDBACK
Received at: 30-MAY-74 09:03:03   10d

The use of programs from the user program library is
unnecessarily complicated and confusing. First you have to
load them and then you get some very scarey message about no
entry point and subsystem. Then you have to go to it as a
subsystem often with a different name than as a userprogram,
then the usr interface conventions for interaction are not
completely compatible with the rest of nls etc. Its all very
unclean and needs to be considerably simplified. For example
why not just go to it as a subsystem and if the subsystem is
not in regular system assume and try library automatically etc
for those such as INMES   10d1

c. the alternatives are not in alphabetical order,   10e

They definitely should be, Alphabetic conflicts are so
fundamental to parsing and the recognition modes that the user
ought to be assisted (through alphabetization of the
alternatives) in seeing what the potential conflicts are,   10ei

b. the alternative <space> is never indicated,   10f

It shouldn't be indiscriminately indicated, but should
definitely be shown when in fact it's a bona fide alternative.

That is, when there are command words for the command that
REQUIRE <space> to be typed if you are in expert mode,   10f1

-(23116,) (MDK) "all" is not a satisfactory alternative command
word (in the "delete all markers" command). Here and wherever the
second command "word" is really a phrase, I would prefer seeing
the alternative listed as a hyphenated expression, such as
"all-markers". This will of course require coordination between
the question mark responses and the help data base statement
names.   10g

Vertical Splits which are hard enough to do anyway "<SP>spwv",
have the bad habit of vanishing irretrievably if you try to move
the boundary within 21 characters of the edge. WHY??? There
should be an error message or some way to know the limits if they
must be set. (22060,) (KIRK)   10h

When I tried to load my ident file after the partial copy had been
deleted (it was bad), XNLS created a new version with nothing in
it instead of loading the locked version and letting me unlock it.
(22059,) (KIRK)   10i

Could you make <control-o> stop printing the list of alternatives
which prints after ·? ?   (22038,) (JMB) (MEJ)   10j

DVN 8-JAN-74 10:34 21321
FOR Making AE's Available Without the Option Character
Message: Jump to address or item should take an address without
the need for typing an option character. Making addresses
available only after an option character cuts down the usefulness
of putting AE's in DNLS by a substantial fraction.
I have heard that some one resists making addresses available
without an option character "for the sake of consistency".
Consistency like that is like making a rule that you have to start
walking on your right foot no matter where you start from.   10k

DVN 8-JAN-74 15:01 18375
More on Non-Option AE's (follow up on 21321)
Message: ...or what you have to step over.   10k1

DVN 14-DEC-73 09:20 20895
For Holding Options to the Minimum
Location: (MJOURNAL, 20895, 1:w)   10k2

DVN More on Having to Type Option before Entering Addresses

User Feedback Decisions leading to NLS-8.1

        (response to 21350)
        11-JAN-74 10:53 21366 Message:
         My present ussage is to type j a, bug the screen at random,
        and put in the off-screen address I long for. When a user types
        A to get the command term "Address" after "Jump", the system
        could generate an option character for her,

                                                                          10k3

        %wants ability to type another command word or this suggestion%
        KIRK The definition of Destination Selection (DSEL) for DNLS
        should be changed from B:/[A:] to A:/B:/[A:], If I am not
        mistaken, this can work everywhere there is currently a DSEL but
        without requireing the option character to type an AE. I realize
        that if one thought about it carefully, specifying an address for
        a destination B:/A: would appear to be inconsistent with the
        convention for specifying an address for a SOURCE T:/B:/[A:]
        (i,e,, it would not require the option character).
        However, from one point of view successful in the past, there
        really is no inconsistency at all because the prompt we are now
        using for A: might just as well be T: by the same reasoning that
        eliminated I:, F:, and N: from the user's prompting. Think about
        typing in an ADDRESS for a DSEL WITHOUT an option character (which
        is the way it works in TNLS) as replacing the typing in a TYPEIN
        for a SSEL, I think the un-written convention of having the
        maximum capabilities available at any single command position,
        along with prompting, would make any conceptual inconsistancy
        invisible to the person learning the system by using it,   101

        JEW 3-APR-74 12:47 22620
        Feeding Back the Existence of a PC
        Message: I don't know whether I'm peculiar in this respect or not,
        but I very frequently display file status information just to see
        if the file is locked or not; all the rest of that display is
        pointless in such cases, and my having to wait for it is very
        annoying. Would it be reasonable to constantly display that one
        bit of info (i,e, file locked or not) in the feedback area
        somewhere? Another, more general approach, of course, would be to
        define a "user-settable" field in the feedback area somewhere
        whose contents were kept current by the system and whose nature
        was selected by the user, by way of his user profile, from a set
        of alternatives offered by the system,

                                                                          10m

        RLL 24-SEP-74 12:13 24038
        File not on line message on entering NLS
        Message: Why I am getting the file not on line message when I
        enter NLS. This began when the NEWEST NLS wwas instituted as NLS
        this past weekend, There seems to be no other problems, This
        has happened each time I enter NLS.

User Feedback Decisions leading to NLS-8.1

*****Note: [ACTION] *****

10n

How about changing the 'Exceed capacity' message to something like
'System error; string variable overflow'? People call me and say
they got that message, but they HAVEN'T exceeded there disk
allocation.(22455,) (JEW)

10o

Output quick-print does not look the same as DNLS as far as names
on the right is concerned. I prefer the way it shows on the
screen, (22060,) (KIRK)

10p

In the Load command, "Busy" should not appear as an alternative to
people who can't use it, Is this hard to do? It is needed in
some other places like the Algoritm commad in the Help subsystem
should not show up when the user types "?".

10q

MDK HELP as an NLS command
1-FEB-74 12:01 21721 Message:
 Charles ... please consider this suggestion as a kind of strong
"lobbying" (I really would like to see it happen!): Add this
command to NLS!
 *HELP <CA>
which would be identical in function to
 *GOTO HELP <CA>
and would be recognized in expert mode by the letter "H"
My reasoning is that HELP as a command is what one uses in FTP,
TELNET, RSEXEC, and maybe other subsystems here and elsewhere, and
I think it would be extremely useful as well as consistent for NLS
users to be able to type H for HELP when they're in need, without
having to remember (or even know) that it's GOTO HELP.
What do you think ? ... Mike

10r

DVN 22-JAN-74 12:35 14570
XNLS Problems of the Evening of January 21
Location: (GJOURNAL, 14570, 1;w)

10s

    I think it's worth noting that I never use Set Case Character,
    I always do Repalce Character instead. (CHI: Can we invent
    some new command(s) to make this more useful? e.g. "FORCE"
    <"case"> textentity or "CAPITALIZE" and "LOWERCASE"
    textentity.

10s1

    KIRK 16-MAY-74 19:10 23025
    I'm in favor of Force (case) STRING/STRUCTURE DESTINATION OK! .
    It would be nice if it was a first level command (freeze is not
    available in TNLS anyway).

Message: Set Case is unuseable.
*****Note: [INFO-ONLY] *****

10s2

I tried to send a file through Output Com. It said it was doing
it, but it sent the file to the printer instead of keeping it.
The result was very strange. When I treid to Output to COM
Option File it said, "Illegal instruction"   10s3

%One time bug% Just now when I answered "n" to the Y/N in jump
file return it said "exceed capacity". (CHI: file name too
long?)   10s4

Backspace character does not work for <SP> in expert Command-noun
recognition. It backspaces the whole command. Isn't tht what
Backspace word is for? There is no way to backspace just the <SP>
if you mistakenly hit one after the command-verb. (22175,) (KIRK)   10t

The fina confirmation in substitue bothers her and seems redundant
since it already asked if you are finished. (22940,) (RWW)   10u

Space recognition for second level commands in expert recognition
mode is not feedback in TNLS. The user can't tell for sure if he
typed a space or not. (22008,) (KIRK)   10v

I would like to add journal items to new subcollections and send
comments with items sent via secondary distribution in the forward
command (30416,) (DVN)   10w

SRL 4-JUN-74 15:53   23267
Inconsistency in Sendmail
Message: It seems a little consistent that when in Sendmail and
you want to show status, you type "SH" and you get (sh)ow status
when anywhere else you would have to type "SHS" for (SH)ow
(S)tatus.
*****Note: [INFO-ONLY] *****

10x

Jump (to) Item B:/[A]: OK VIEWSPECS OK
could be:
Jump (to) Item B:/A: OK VIEWSPECS OK.   10y

Insert STRING (to follow) B:/[A:] CONTENT OK
could be:
Insert STRING (to follow) B:/A: CONTENT OK.   10z

Simulate Terminal <T: / Nvt / Lineprocessor / Imlac / Execuport /
33-tty / 35-tty / 37-tty> OK
could be:

Simulate <Ti / Nvt / Lineprocessor / Imlac / Execuport / 33-tty / 35-tty / 37-tty> OK   10ae

- (23116,) (MDK) the command "record session" would (in my opinion) be better named as "start recording-session" to complement "stop recording-session"   10aa

-(23116,) (MDK) I would like to see the L10 compiler pass on to the Loader the required information about the size of a compiled program, and correspondingly I would like to see the "Load Program" mechanism be smart enough to obtain the required buffer size from the Compiler's passed data, and AUTOMATICALLY SET THE BUFFER SIZE just before loading the user program.   10ab

    It is abominably annoying to have to know or guess and then set the buffer size of a user program. And certainly it is entirely unnecessary, given a slight change to the Loader.   10ab1

Rings were preferred to stacks when working with several files (22910,) (RLL)   10ac

JMB 26-MAY-74 15:31   23126
Jumping to Return in TNLS
Message: It is very difficult and frustrating to jump to Return in TNLS because there is no way of knowing if you have counted back the right number of moves to get what you want. There is no Show Return ring command as there is for the file return ring; and you can only get system feedback on where you'll be going AFTER the <CR> has executed the command (with a slash--Jump to A: .3r /<CR>); you can't change your mind, like you can when DNLS feeds back the destination in the Jump to Return command, until you've already been moved, which has itself altered your return stack further so it's then even harder to figure out the correct number of jumps to give.
*****Note: [ACTION] *****

                                                                    10ad

DVN 29-MAY-74 21:38   23161
For Shortening the Process of Setting a Simple Content Analysis Filter
Location: (GJOURNAL, 23161, 1:w)
*****Note: [ACTION] *****

                                                                    10ae

    "Go to Programs + Compile Content Analayser Pattern +Institute Program P as Content Analyser Pattern" is a lot of (explative deleted) to go through to creat the pattern fo some simple search. It would help if the compile command would automcctically institute the pattern as in the old days. Then

55

you could institute a pattern wth one command and atleast use
"execute program".   10ae1

What about a "Delete Explative" command?   10ae2

DVN 7-JAN-74 New TNLS Copy Directory problems
When I entered a series of options following Y/N, on the first
occasion the system prompted me, sensibly: "opt C:". Ffrom then
on, however, it gave me only "C:".   10af

She seems to find prompts necessary but awkward for new users
because they force concept explnations earlier or require trying
to avoid sliding by. This tends to indicate a need for language
subsetting to avoid some concepts, (22940,) (RWW)   10ag

NDM 9-JUL-74 11:47   23553

Message: Why does the command "Delete Modifications" deinstitute
and program that was instituted as the current content analyzer?
*****Note: [ACTION] *****

                                                                       10ah

MDK 9-JUL-74 10:50   23552
markers in new nls
Message:
My experience is that the mechanism for determining when marker
"addresses" being typed is inconsistent with the rest of NLS
address parsing. In many commands (like insert character, for
example) a mar er address can be typed WITHOUT the option
character preceding it; it's simply a function of how the
keyset/mouse keys are depressed and released.   10ai

   This may be neat for marker usage, but it's hell on learning,
   and on speedy or sloppy typists like me who don't release the
   keyset completely before typing the <ca>.

   I believe the marker parsing mechanism incorrectly ignores
   conTEXTT (is it not true that a marker is an address? if so
   then why isn't it parsed as an address? ??)
   *****Note: [ACTION] *****

                                                                       10aii

DCE 7-JUL-74 14:44   23539
FDBK: Set-Viewspec command deinstitutes CONAN program
Location: (GJOURNAL, 23539, 1;w)
*****Note: [ACTION] ***** %IS THIS FIXED IN WORK?%

                                                                       10aj

   A bug, when I do: Go to Programs CA; Load Program x CA (which

56

loads Program x, and institutes it as CONAN); quit CA; Set
Viewspecs i CA -- then nothing happens. Return to Program and
find CONAN deinstituted.   10aj1

   If, instead of doing Set Viewspec i CA, I do a JI Bug i CA,
   things work as supposed to.   10aj1a

 Note that when I last tried, perhaps a week ago, the CONAN
 program would always get deinstituted in TNLS whenever I left
 Program mode and tried to invoke filtering.   10aj2

DVN 5-JUL-74 14:26   23533 %IS THIS THE SENDMAIL PROBLEM - WHERE
YOU CAN'T SEE ALL THE PAGES YOU ACTUALLY HAVE?%
When the System Doesn't Learn I have Enough Pages
Message: Lately I've been running close to the limit of my
directory pages. On a number of occasions I have exceeded it,
gotten the message "file space allocaton exceeded" and " you
cannot write on this file", gone into TENEX and there deleted
enough files to have plenty of space, returned, got the message
"you cannot write on this file" again, relaoded the file, and
gotten the message again. Apparently the news that you have enough
pages doesn't travel very fast.
*****Note: [ACTION] *****

                                                                10ak

KIRK 20-JUL-74 15:01   23655
Force Case as a second level command in DNLS only.
Location: (GJOURNAL, 23655, 1:w)
*****Note: [ACTION] *****

                                                                10al

   Please make Force (case) a first level command in DNLS so it
   will be the same as TNLS. Making Freeze first level just
   because it used to be first level is inexplicable to new users
   and those that rarely (if ever) use Freeze. Force becomes
   harder to use (one of the reasons for changing it from Set
   Case). The current implementation also takes the wind out of
   old programmers' consistency arguments against new ideas.   10al1

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   and those that rap(if ever) use Freeze. Force becomes harder
   to use (one of the reasons for changing it from Set Case). The
   current implementation also takes the wind out of old
   programmers' consistency arguments against new ideas.   10al2

 8-AUG-74 0811-PDT BAIR: Journal and mail

Distribution: FEEDBACK, IRBY, bair
Received at: 8-AUG-74 08:11:55   10am

These have been brewing for a long time time and now there's
one that's very strange, so:
why am I recieving Journal citations in sndmsg? Theyre from
ARC.
Suggestion: All considerations aside (ie there are other ways
to do it), I think it is very important to have the
distribution list appear with the Journal citation in the
"mailbox".
I have noticed that certain deveopment decision have been made:
to have an action and info branch; to change sndmsg; etc. I
presume developers are aware that this is not going to help
applications...design changes have a strong effect on the
delivery and set up a AKWs, particularly if one is not informed
about the changes.   10am1

There are serious clitches in New NLS that have caused numerous
failures in critical situations. Perhaps this will go away,
but I wonder if you really want a system to go out with lower
reliability than its predessor Eg. "illegal statement in
return ring" came up several times yesterday associated with
split screen and not. Many times rings were not retained even
back one view. There were NLS display errors, and bunches of
cryptic error data, much to the chagrin of those receiving the
de.   10am2

The "no such marker" error because of keyset -- mouse input
sync has appeared some 100 times more frequently than it did
with the old NLS. We have done experiments to see if it is
operator error or something else. The CA button does NOT have
to be depressed simultaneously with the key code, but merely in
rapid sequence.   These two fact lead to one conclusion.
These are submited with the hope that something will be done
to:
1)   Announce all changes to NLS toapplications staff
2)   change the Journal
3)   fix the bugs in return rings and split screen
4)   Fix the sync problem between mouse and keyset
5)   Continue the work on making error msgs meaningful
6)   Respond to this msg
Respectfully, JHB   10am3

It would look better to have A/[T]: rather than A:/[T]: (i.e.
fewer colons) (22908,) (RLL, RICART)   10an

Change default so heralds are 4 instead of 3 characters
(22826,)(RLL), (22175,)(KIRK)   10ao

-(23116,) (MDK) "execute command in HELP" shouldn't drag up
HELP's long explanatory text, It should just let you do "SHOW X"
for any X,   10ap

RLL 5-JUL-74 11:31 23528
Suggestion for DNLS: relative addressing without the nasty control
U,
Message: Why cannot address be given with out option control char?
If text is to be given as address then option char can be use
then, this would make the following very nice: Jump back 7 <ca>
to mean jump back seven statements from the bug (which is the
<ca>) ,
*****Note: [ACTION] *****
                                                                    10aq

 6-AUG-74 0916-PDT LEAVITT: minor irritations part II
   Distribution: FEEDBACK
   Received at: 6-AUG-74 09:16:41   10ar

   A long time ago in july, when i used to work here it seems, i
   sent a meassage to feedback about an annoying thing in this,
   its still there, i realize how petty this might seem but its
   frightfully annoying and couldn't be that hard to get rid of,
   in the command output quickprint and, if i remember quickly,
   output printer, there is a superfluous "OK" prompt which, if
   paid attention to, results in a DING, i don't mind being
   dinged at for a good reason, but,,,   10ar1

   ahah, after spending a moment in conversation with susan i find
   out that this ok is not a superfluous prompt, but an echoing of
   the choice i chose, ie, OK, i suppose there is a good reason
   for having the response echoed for you, in case in that split
   second you forgot what it was you did, but in this particular
   situation it is, to say the least, confusing, after responding
   to an ok with a CA, its almost automatic to assume the next OK
   requires the same response,   10ar2

Automatically generating hardcopy documentation from the Help
Database   10as

   RWW 10-MAY-74 14:40 22954
   Thanks for the Command Summary
   Message: Thank you for the command summary, Its really useful,
   Its an example of the type of documentation overview tht one
   would like to automatically get out of the Help database with a
   user program, How can that be arranged?
   *****Note: * action * *****
                                                                    10as1

User Feedback Decisions leading to NLS-8.1

When typikjng ? to HEL C: you get an interesting assortment of
such things as < and > and so-on that do very simple things, but
which you can't find the help on since they aren't words. (RICART)   10at

Menu names would have helped a great deal to manuever within the
database, I constantly found myself unable to get more
information on something I had to choose on. (RICART)   10au

Trying to read all I could about this, I found out tat T: wants a
Typin and /<something> means that [A] is an alternative, The []s
mean that A is an option, and that "U should be typed to exercise
it, So you type Show T:/[A]: "U and nothing hapens, So add a ?
to make it tell you what it wants--it dosn't like that, So you CA
it and get through T:/[A]:, A "U from here gets you just about as
far, and a ? gets you two ?'s back with a A: prompt. (RICART)   10av

I think that Show T:/[A]: < should sho only the previous menu but
not repeat the texxt you have already seen, This command turns
out to be commonly necessary to find out about your other
alternatives, (You have just found out about one of them, but you
are not sure if another migt no be moreaplicable). (RICART)   10aw

Typing Show everytime witin HEL C: is an annoyance, Why not let
Show be a default command with the "U convention used for other
things? (RICART)   10ax

RLL 23-APR-74 18:16   22811
suggestion on show command in help system
Message: I have found that the show command in the help subsystem
(new TNLS) is annoying, Just typing the nemu number or series
ofwords should be enough for help to help, the other commands
could be keyed in my a space (<space>q[uit],etc,) Since the
overwhelming (95% is my guess)command wouldbe the show command, it
would make good sense to change it from a programming point of
view as well as a user point of view,
                                                                    10ay

JHB 19-MAY-74 20:04   23045
New NLS suggestion/bug
Message: When a user types ? in expert mode, there should be some
clue that there are more commands if he types a space and then
another ?, Better yet, have all options listed with those
requiring a space showing that, ie, for move ?, have boundary
listed as <space>boundary,
If you have compications because of multiple recognition modes,
then it should be worked in anyway,
*****Note: [ACTION] *****

                                                                    10az

JHB 17-MAY-74 23:15   23041
New NLS bugs -- 2
Message: 2 bugs tonite: When one uses Go to Help, he is given the
fdbk, "for more help type * Q again"... He never used it in the
first place.   10be

1) Help   10ba

   a) It's still too slow getting there (22931,) (RWW)   10ba1

   b) When there ? not very useful (22931,) (RWW)   10ba2

   c) To be asked to do *Q and its delays again is irritating
   (22931,) (RWW)   10ba3

   d) When trying to go "back" I was prompted for text when I knew
   I had to hit <, a command (22931,) (RWW)   10ba4

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

                                                                      10bb

   Comments: Responds to (jjournal,22242,)   10bb1

   I feel particularly strongly about getting rid of command words
   in the HELP system (jjournal,22424,3a).   10bb2

      They seem a gross encumberance to learning because, as
      noted, of the variety of recognit.ion schemes, and an
      encumberance to use once you've learned the system   10bb2a

      If possible we should be rid of command words when the
      experimental system becomes the running system at ARC, a
      time when a lot of people will be learning to use HELP.   10bb2b

   View specification (jjournal,22424,3d) seems to me a more
   complex issue. My best guess is that a naive user will want to
   see all the information in the parent node before he deals with
   the menu. In fact I think that showing many small nodes is a
   good way way to build up a general picture in many people and
   circumstances. However I can imagine more experienced or
   deductive users longing for the views Kirk describes. I think
   they should be available too. I think we can delay adding new
   views until the next version of the system based on the
   experience that will soon be upon us.   10bb3

   2-MAY-74 0822-PDT JERNIGAN: Help data for Insert Text Command
   %Maybe there should be a message along with the alternatives

after a person has typed "?" that says "Type *Q for more info",%
   Distribution: FEEDBACK, Jernigan
   Received at: 2-MAY-74 0825:45-PDT   10bc

   After trying Insert Text and not being able to figure out the
   correlation
   in the new system and the old, Charles told me that choosing
   where to
   insert text is by +F or +e, I went into nls again and used the
   ? help
   database to see what the alternatives were to see if I had
   misunderstood
   them, The feedback on that command is   10bc1

   "Please make a selection of type: CHARACTER via
        Address Expression"   10bc2

   No further questioning is permitted at that point, a ? simply
   getting a repeat of the same lines,   10bc3

   How could one know that feedback is telling the user to use
   either
   +F or +e to place the inserted text at front or end of the
   statement?
   It is not apparent to me, and I have been able to guess pretty
   well
   what the new system might do,   10bc4

   And what does "CHARACTER via Address Expression" mean? And does
   the
   odd capitalization have any specific meaning?   10bc5

   Mil   10bc6

MDK 1-MAY-74 14:57   22871
Problems with the HELP system, circa 18-April-74,
Location: (MJOURNAL, 22871, 1:w)
                                                                   10bd

   Comments: This is a relatively old document, by now (a couple
   of weeks or so),
   Sorry it's late, just noticed I had never journalized it,
   A quick reading will determine whether any of the things I
   noted
   are still outstanding problems, ... Mike

                                                                   10bd1

                                                                   10bd2

User Feedback Decisions leading to NLS-8.1

Background for this note,   10bd2a

    The comments in this note are offered in this context: 10bd2a1

        I BELIEVE THAT THE HELP SYSTEM MUST BE EXCEPTIONALLY
        EASY TO USE,   10bd2a1a

        IF LEARNING TO USE IT REQUIRES ACCESS TO A USERS
        MANUAL (HOWEVER SMALL) OR KNOWLEDGE OF A "HELP" SYSTEM
        COMMAND LANGUAGE, I BELIEVE WE'VE DEFEATED THE
        PURPOSE, AND LOST THE BATTLE TO MAKE NLS EASIER TO
        LEARN AND USE,   10bd2a1b

    Please note that I haven't used the HELP system before,
    and I haven't used the new NLS language very much at all,
    so I consider myself as providing a good example of what
    experienced NLS users will face when the new system comes
    up,   10bd2a2

    THIS IS A PRELIMINARY, INCOMPLETE REPORT ON WHAT I'VE
    FOUND,   10bd2a3

        More will be forthcoming,   10bd2a3a

        But in my opinion no one person can exhaustively debug
        the numerous data and system errors that are bound to
        exist in the HELP system,   10bd2a3b

        MY STRONGEST RECOMMENDATION IS THAT, IN ORDER TO HELP
        DEBUG THE HELP SYSTEM, EVERYONE USE IT AS THOROUGHLY
        AS HE CAN FOR THE NEXT SEVERAL WEEKS AND REPORT WHAT
        DIFFICULTIES HE FINDS THROUGH THE ARC FEEDBACK
        MECHANISM,   10bd2a3c

    For ease of reference, I suggest that we categorize HELP
    system problems as follows: 10bd2a4

        0, Overall impressions about usefulness and
        useability
        1, Bugs that cause fatal errors
        2, Other Bugs or Inconsistencies
        3, Unsatisfactory features
        4, Unclear or misleading or just plain missing
        descriptions
            of particular commands or concepts or terminology
            (including misspelled words, of which there are
        quite a few)   10bd2a4a

0, OVERALL IMPRESSIONS   10bd2b

MY OVERALL IMPRESSION IS THAT IN ITS PRESENT STATE, THE
HELP SYSTEM IS VERY DIFFICULT TO USE.   10bd2b1

This conclusion stems from a number of factors: 10bd2b2

First, the HELP system imposes a new command language, a
new syntax and a different recognition mode that the user
must learn before he can learn how to get the help he
wants. In particular: 10bd2b3

   - I think it's a serious mistake to require the use
   of the verb SHOW. A user who's interested in a
   particular operand (a command or a concept or some
   terminology), will expect to type just that operand,
   not a superfluous verb. That's as near as possible to
   the way he gets HELP via the question mark mechanism
   in new NLS itself.   10bd2b3a

      For more advanced browsing capabilities, it seems
      that QUERY commands could be parsed via an escape
      mechanism, such as an initial period or space
      before the command verb.   10bd2b3a1

      For some operations, I would hope that we can
      devise more "natural" commands. The one example I
      stumbled onto is the "SHOW <" command for getting
      back to the previously "shown" segment. It is at
      best obscure and certainly not "natural".   10bd2b3a2

   - If we must insist on using SHOW (and I strongly
   object to that), then it's still a serious mistake to
   have single letter recognition mode for the verb ("s"
   for "show") when the rest of the command requires a
   full typein. This is surely gross inconsistency for a
   recognition mode, a carryover from the experimental
   query language that JFV hastily put together for the
   ICCC.   10bd2b3b

   - Regardless of whether we use SHOW or not, I also
   think it's a serious mistake to require that all
   operands be typed in full.   10bd2b3c

      In my opinion, we should strive for something like
      this: 10bd2b3c1

      When an operand is an NLS command, the recognition
      mode for that operand should be precisely the same
      as the one the user was using when he called HELP.
                                                              10bd2b3c2

When an operand is NOT an NLS command, then it
seems reasonable to provide either Tenex-like
recognition or 940-like recognition, preferably the
former.   10bd2b3c3

Second, the HELP system is unacceptably slow, both to get
into it, and to do almost anything once you're in it,   10bd2b4

It certainly doesn't have to be the fastest subsystem
there is, but neither should it result in processing
suspended on a SHOW command,   10bd2b4a

It seems to me that when in the HELP subsystem the
user should be prevented from ever being suspended,   10bd2b4b

Third (especially in DNLS), the user can get carried
along down several menu lists or down a long menu list
that doesn't fit on the screen and then has no obvious
way to back up to a previous menu list, and no apparent
way to learn how to back up to a previous menu list,   10bd2b5

One can quickly lose one's train of thought, and
forget where he was or what he was looking for,   10bd2b5a

There appears to be no simple explanation anywhere on
how to USE that fundamental entity, the "menu", (It
was pointed out to me by Kirk and DVN, who kindly
reviewed portions of this note for me, that the
explanation exists under the description of the "show"
command, I think it should be in a more obvious
place, like under "menu",)   10bd2b5b

Can you bug a menu item in DNLS? (You can, but it
doesn't work; the wrong things happen,)   10bd2b5b1

How do you get to see a previously displayed part
of a menu list that passed off the screen when you
typed "MORE"?   (I don't know, and I couldn't find
this described in the HELP system,)   10bd2b5b2

How do you get back to a previous menu list that
you just came from? (I don't know,)   10bd2b5b3

Whatever mechanisms exist for this, they should be
"natural" to use, and easy to learn about,   10bd2b5c

Fourth, it should be as "natural" as possible to get INTO
the HELP system, but it isn't (at least, not to me),   10bd2b6

User Feedback Decisions leading to NLS-8.1

Currently, you must type GOTO HELP, or <control-q>.   10bd2b6a

Instead of GOTO HELP, it seems to me that the natural
way would be to simply type HELP. And, whatever
subsystem you were in when you typed HELP should
dictate what entry point you reach when you get into
HELP.   10bd2b6b

Instead of <control-q>, it seems that the natural
thing to do is to type a second question mark (i.e.,
to get HELP type two consecutive question marks). The
first question mark would get the list of alternatives
as it does now, and the second question mark
immediately following the first would get the HELP
system at the appropriate entry point. It doesn't
seem to me that the NLS command parser should have any
insurmountable difficulty in knowing whether it was
the first or second question mark which was being
typed.   10bd2b6c

Fifth, there apparently is no information in the current
HELP data base about the old, no-longer-valid NLS command
language.   10bd2b7

What's the equivalent of output file? No way to find
out. Similarly for Xset, null file, output
sequential, output assembler, output file, execute
device type, and presumably all the rest.   10bd2b7a

IT SEEMS TO ME THAT THIS WILL BE THE NUMBER ONE REASON
THAT PEOPLE WILL WANT TO USE HELP AT THE BEGINNING:
TO FIND OUT THE NEW WAY TO DO WHAT THEY'VE BEEN DOING
ALL ALONG.   10bd2b7b

Kirk agrees with this, and has begun to put in a brief
description of these commands. The original intention
was to wait until all new commands were described and
then just link to the appropriate one. But this won't
work unless all new commands have been described. So
a shorter explanation is needed.   10bd2b7c

1. BUGS THAT CAUSE FATAL ERRORS   10bd2c

In a cursory scan of the HELP system on April 9th, I
found that the command

SHOW SYNTAX

caused a fatal error (expulsion to the Tenex exec, with
no recourse but to RESET and enter NLS again).   10bd2c1

I don't know whether this is the only offending command,
or what caused the bomb out. But it was reproducible.
Here especially, everyone must help in finding the
offending commands.   10bd2c2

2.   OTHER BUGS OR INCONSISTENCIES   10bd2d

The commands listed as part of the HELP system repertoire
include both ENTRYPOINT and EXECUTE. But there's no
apparent way to do the EXECUTE command. The "E" is
pre-empted by ENTRYPOINT.   10bd2d1

In several instances (some of which are described later)
there are inconsistencies between what you get when
typing ? in new NLS and what you find in the HELP DB.
Some alternatives listed with ? are simply not to be
found in the DB.   10bd2d2

The use of ? in new NLS has the following
bugs/difficulties: 10bd2d3

When you first enter new NLS and immediately type ? ,
you get a list of alternatives that are in fact those
for which you must first type a space in expert mode.
                                                                10bd2d3a
Then, after giving any command (but not simply CD),
subsequent use of ? at the EDITOR command level gets
you the correct list of alternatives (those that are
recognized by their first letter in expert mode).   10bd2d3b

3.   UNSATISFACTORY FEATURES   10bd2e

d.   The object of the SHOW command should be echoed on
the same line as the SHOW command itself. Otherwise it
disappears during execution of the SHOW command, and the
user has no aid to remember what he SHOWed.   10bd2e1

When the object of the SHOW command is "not found",
the error message "item not found" should not be
exhibited; instead, the word "item" should be replaced
with the literal typein that wasn't found. For
example, "INSERT FILE not found"   10bd2e1a

e.   The command SHOW <<<< ... provides a useful
function, but the syntax is not appropriate for a HELP
system, in my opinion.   10bd2e2

I would prefer to see something like PREVIOUS MENU or
PREVIOUS ITEM (the words chosen to be appropriate to
the function desired). More verbose, yes; but more
intuitive, also.   10bd2e2a

This gets into the area of "reserved" words, and
warrants a separate discussion.   10bd2e2a1

This command also has the discomforting and
disconcerting aspect that you don't know how many
"<'s" to give, i.e. you don't know where you've been,
especially in DNLS.   10bd2e2b

Wouldn't it be nice if we could give the user his
"show return stack" in a meaningful way (for
example, by echoing the first line of what was
previously shown, as in NLS "Jump to Return") and
let him back up through his stack till he gets to
the one he wants, so that he can then pick the one
he wants to go back to ?   10bd2e2b1

g.   The message "This section of the HELP data base is
incomplete. Please try another," is condescending and
useless. The user doesn't want to "try another"; What
good would it do him ?   10bd2e3

KIRK 31-MAY-74 13:59   23361
Suggestion concerning Help structure, technical terms, and default
introductory views
Location: (GJOURNAL,23361,1:w)
*****Note: [ACTION] *****

                                                            10be

CHI 16-SEP-74 12:39   23981
Sendmail and items under 2000 characters in length.
Message: The bug that causes a file to always be created has been
fixed in xnls. If a bugged entity consists of more than one
statement, ten it will still become a file (this awaits harvey and
dave hopper bringing up the long overdue new delevery process).
*****Note: [INFO-ONLY] *****

                                                            10bf

Herewith some bugs and feedback on newnls, noted by NDM in
(23635,):   10bg

The Line Processor bug which truncates each statement display
to 72 characters must be fixed (23569,).   10bg1

The command "Detach Subsystem" does not work.   10bg2

When a User Program/subsystem (like MESSAGE) is loaded, the
"WARNING -- no entry to program" for the L10 part misleads the
user to thinking something is wrong, That message must be
eliminated,   10bg3

   When a user programmed subsystem is attached, where the
   subsystem keyword is different from the program name
   (although this will be avoided in the future), the keyword,
   not the program name, should be given in the message
   "Subsystem XXX Attached",   10bg3a

SRL 23-APR-74 10:53 22799
Sometimes it's hard to get out of help
Message: I was trying to quit out of Help and typed q and I guess
a space, One of my options was OK:, but when I typed a CA I got a
question mark!
                                                                     10bh

RLL 23-APR-74 14:22 22805
help system error: illegal instruction
Message: error in help system; new TNLS at ARC, 23 Apr 5:15 pm
eastern, 's[how] journal submission' results in the all too
frequent response ' illegal instruction m,,r5 = 12,,5 ,,,,' I
supposed that 'journal submission' would be a valid item tossearch
for;in any case other attempts at various items ether responded
with 'item not found' or some info,
                                                                     10bi

RLL 23-APR-74 12:28 22801
Help system: error = <<<
Location: (LJOURNAL, 22801, 1:W)
                                                                     10bj

   to journalize   10bj1

      Error in help system of new nls with TNLS at ARC,   10bj1a

      Time = 23 April 74, 3:25 pm eastern time   10bj1b

      If one types too many '<' in the show command the system
      responds with illegatl instruction etc, In other words if
      one wants to return up the tree but inadvertently goes too
      far back, the system bombs out,   10bj1c

      This should be corrected since one then finds himself at eh
      exec level,   10bj1d

Bugs: I managed to get Portrayal Failure, Call ARC!! Display Error
several times, and to top it off, an illegal instruction, I wan't

69

doing anything funny any of the times these errors occured--just
cruising around the database with Show commands.   Thanks
again, Glenn   10bk

SLJ 10-MAY-74 16:49   22960
blueyedsusan II
Message: well, susan, it took me all day (at least 30 minutes) to
figure out how to do this, but here is one comment: when you go
to help and show sendmail subsystem and ask for #7 you get #6 so
yyou then ask for # 8 which isnt there and you get #7 which is
really what you want to know simplyy the (god, my typing)
sendmail commands. love flew out the door when money came
inuendo.   xxxhave good wknd. carmen.
*****Note: * info-only * *****

                                                                                    10bl

JMB 2-JUL-74 18:09   23513
A bug that really blows out beginning Help users
Location: (GJOURNAL, 23513, 1;W)
*****Note: [ACTION] *****

                                                                                    10bm

   Comments: --which we certainly don't need   10bm1

   I've observed a person who's totally unfamiliar with our system
   try to learn how to use NLS from the Help system, in order to
   find out why it's reported to be so frustrating.   10bm2

   One of the more serious difficulties this person had was in
   learning that he had to get out of the Help subsystem in order
   to try any of the commands being described. When a new user
   first sees the various commands for traveling between
   subsystems, he is very likely to attempt to Goto whatever,
   rather than Quit Help. The bug that results from doing that
   (one gets to Editor but the text of the database is displayed
   on the screen) is very confusing--fatally so, since he can't
   find out why or where he is--to the user.   10bm3

   If a command is not going to be available from Help, it should
   not be listed for Questionmmark and should not be specifiable!
   Better yet, if Help is a subsystem, all subsystem commands
   should be available from it. And still better, all the
   commands the uer is reading about he should be able to try
   without going through a tortuous maze, and then be able to get
   back to Help. At least fix that bug with Goto (get the other
   file back--the one the user can write on).   10bm4

    3-MAY-74 1624-PDT LEE: Editor sbsystem, load file or jump to
   link

Distribution: FEEDBACK
Received at: 3-MAY-74 16:24:09   10bn

I had been working for quite awhile, and tried to load a file
and
I got the message, "Insufficient space for new statemnt return
ring".
Then I tried jump to link and got the same message. I had to
reset
and start again,   10bni

JCN 14-MAY-74 09:07 22991
A Update File Old Bug? and Sendmail Blowup
Location: (MJOURNAL, 22991, 1:w)

                                                                   10bo

    New NLS bug,,?   10boi

      When I used the Update File Old command in NEW NLS today on
      the file (NORTON,JCN,NLS;7011,), The message I got back at
      the top of the display was (PMFDIRO,JOBPMF,;100014,) rather
      than (NORTON,JCN,NLS;7011,), Harvey seemed to think that
      this string has come up in funny places before and is
      associated with some special user space in the system, This
      could confuse new or old users about what file they are
      really updating, In addition, when I went to tell this to
      FEEDBACK, the sendmail subsystem blew up just after I typed
      the CA after typing in some message like the above, I got
      Illegal Instruction   jsys 56=,,,10400,,56 at LODRFB+217=
      54401 Illegal TENEX source/destination designator,,   etc
      etc,   So there you are, This is sent from oldnls to try to
      get it through,   10bo1a

JHB 19-MAY-74 21:48 23046
NeW NLS bug
Message: When in Jump to File Return and spacing back through the
link list (about 8 loads) received "pushdown overflow at 25301"
and was left in exec, Continue got: "illegal instruction at
17000420001 at user 411516", whew,
*****Note: [ACTION] *****

                                                                   10bp

DCE   22-MAR-74 12:54 22458
 Bug: SID duplication
Location: (JJOURNAL, 22458, 1:w)

                                                                   10bq

      In my initial file, I happened to notice that I had at least
      two duplicated SIDs, i,e, two SIDS that appeared each on two

User Feedback Decisions leading to NLS-8.1

different statements. I updated and made a copy that I'll keep
around for a while if someone wants to check into what went
wrong. (Meanwhile, I'm doing a copy plex to get new SID
allocations for my ongoing Initial File).   10bq1

(For each SID, two Locnums in file <ENGELBART>BUGCASE   10bq2

SID	LN1	LN2	
			10bq2a
01043	19	21d5f1	10bq2b
01045	19a	21d5f2	10bq2c

RLL 11-JUN-74 02:43   23323
bug in address and file return stacks.
Message: Often the file retun ring (stack) and address return ring
seem to give back 'undefined delimitor..' or some such message.
this should not happen. This happened several time tonight
(10ZJune).
*****Note: [ACTION] *****

                                                                    10br

RLL 11-JUN-74 00:03   23322
Bug: run away system on cross file edits.
Message: apparently got into a loop after a cross file edit
between windows. Happened twice tonight (11jun), Once with a
replace word, once with a replace text command. did a reset after
some 50 cpu seconds elasped, reetered nls and loaded file that
was to be edited. Surprise. the replace text ancd the replace
word seemed to ahave worked. My guess is that the system ran away
after doing the edit but while it was trying to recreate the
display screen.
*****Note: [ACTION] *****

                                                                    10bs

JHB 19-JUN-74 13:19   23408
Apparent bug in New NLS Useroptions
Message: When useroptions leveladjust prompts are turned off, I
still get the L: on the other editing commands, move, copy, etc..
It seems off for only insert statement.
*****Note: [ACTION] *****

                                                                    10bt

4-JUL-74 1907-PDT KELLEY: empty links
   Distribution: VICTOR, feedback
   Received at: 4-JUL-74 19:07:59   10bu

An empty link takes the user to the statement containing the
link.

unfortunately for me, an empty link containing only an exclamation
point takes the user to the origin statement. This is exactly
the oposite of what it should do since exclamation point means
limit the search to the current branch. I would appreciate knowing
if this bug will not be fixed in the near future.
Thanks,,,kirk   10bu1

KIRK 14-JUN-74 16:29 23399
BUG with footers on last oversized page.
Message: In a document whose page length is set to be below the
perforation on the printer paper and whose last page does not have
enough lines to over flow the perforation, the footer appears
above the perforation instead of where it is set to appear.
*****Note: [ACTION] *****

                                                                      10bv

DVN 12-JUN-74 08:54 23336 %Set Case Mode works only after a
viewspec f%
Set Case Mode First and Markers in Links: Two steps back toward
Entropy.
Message: Markers wrked in links in the recent past but see to have
stopt. Yesterday Harvey apparently went into a loop trying to jump
on an existing link to a filename and marker, and just now when I
typed in a link to a file name and marker (whic I have used
before) I got puped into exec at "pushdown oveflow 25301.
Set Case Mode Fisrt still says it is not implimeted.
*****Note: [ACTION] *****

                                                                      10bw

STORESRRING   10bx

    4-APR-74 0952-PDT VANNOUHUYS: daughter of storestring
       Distribution: LEE
       Received at: 4-APR-74 09:52:40   10bx1

       I rest, returned to XNLS, loadedthe file in qustion. Found
       that the group had been deleted. I then updated compact,
       wrote some more stuff, and updated again. It bombed me into
       exec with words like "ILLEGAL INSTRUCTION   JSYS   30 =
       1040000,,30
          at JFNTOS+14 =   147203
       Unassigned JFN " etc.   10bx1a

    4-APR-74 0934-PDT VANNOUHUYS: file numbers do not match in
    storestring
       Distribution: LEE
       Received at: 4-APR-74 09:34:29   10bx2

I wrote a text (structurally a group) in a file in XNLS, I
went to tenex, called regular tnls, loaded the file,
andsubmitted the group as a jornal item, Then I quit TNLS,
quit inferior exec, and immediately treid to delete the
group, It replied with the error message hat titles this
message and wuld not do anything for me,   10bx2a

RLL 9-MAY-74 08:22   22925
strange system message
Message: After a "update file compact" command I got a "file
numbers do not match in storesrring" message, The file seems
ok and got no other messages, this happend Wednesday night and
again Thursday (may8,9), Should I worry about the file ? Robert
*****Note: * action * *****
                                                                  10bx3

KIRK 28-MAR-74 12:21   22521
The journal hardcopy command,
Location: (JJOURNAL, 22521, 1:W)
                                                                  10by

I think a better word would be "Offline" because Hardcopy
implies paper, This is the command one would use to journalize
anything from a video tape to a human being (check out journal
number 1),   10by1

RWW 9-MAY-74 16:09   22937
Y/N problem
Message: in sendmail and interrogate mode the conventions of <SP>
for N and <CA> for yes do not seem to be operating consistently or
correctly, for exampple when you get to done and it says Y/N and
you hit <CA> you end up at the command level, while if yo8 then sy
done and it says Y/N and you hit <CA> it works,
*****Note: * action * *****
                                                                  10bz

RLL 20-MAY-74 17:30   23060
send-mail,rll partial copy left around
Message: On occasions, not sure at moment exactly whch ones, the
file [send-mail],pc appears in directory with the ,rll extension
having nothing in it besides the statement 0 and message that no
content was specified, this has occurred after a sucddessful
journal submission (I think successful) as well as after no
sendmail submissions, A related bug: after deleting both the ,rll
and ,pc versions of send-mail file, once a got a 'no such version'
message after doing the messge, title, send to,, and done commands
in sendmail subsystem, My guess, system some how thought old
send-mail,rll was around but it was not discovered it was not

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there until 'done' commmand,

10c0

  3-JUN-74 1506-PDT   WATSON: sendmail glitches
    Distribution: FEEDBACK
    Received at: 3-JUN-74 15:06:48   10ca

    when trying to send a file got message journal workfile fomat
    improper set;source, On trying to send a messsage to report
    this got illegal instruction 104000,,56 and a record structure
    ala nddt,   10ca1

  27-MAR-74 1754-PDT   KELLEY: Character size 0 bug,
    Distribution: FEEDBACK, irby
    Received at: 27-MAR-74 17:54:08   10cb

    I find I need to work with character size 0 on split screens in
    the experimental system, For one thing, it is the only way to
    do an output sequential without getting lines that are too long
    in tenex, There are other reasons, Anyway, the problem is
    when the Boundary is moved, the lines quit breaking where they
    should, they just sort of dissappear into the empty vertically
    split window to the right, (23124,) (KIRK) (23115,) (KIRK)   10cb1

    %NP% KIRK 9-MAY-74 17:46   22943
    Character Size Changes should be viewspecs instead of commands,
    Message: Character size changes in DNLS should be viewspecs,   10cb2

DCE 10-JUN-74 15:57   23318
Pushdown overflow bug, apparently when using several windows
Message: "Pushdown Overflow at 25301" -- got this message as as
bombed out of NLS doing a jump in one window to a new file (for
that window), Actually it was a Jump Item, with different VSPECS,
from directly-bugged statement in one of the other windows, I
think that this has happened to me severa times before.
*****Note: [ACTION] *****

10cc

  5-SEP-74 0947-PDT   KELLEY: Move Edge noise words
    Distribution: IRBY, MAYNARD, feedback
    Received at: 5-SEP-74 09:47:48   10cd

    The Noise words (perpendicular to) in Move Edge are unnecessary
    and in
    some cases, invalid,   10cd1

  5-SEP-74 0819-PDT   BAIR: Bug
    Distribution: FEEDBACK, IRBY, MAYNARD, bair
    Received at: 5-SEP-74 08:19:46   10ce

I want to report a bug in WORK, not bug you guys,,,, Anyway,
when doing a copy word from left to right vertical split
screen, the file I was copying to dissappeared and in its place
appear the single visable: <null> . I thoyght we did away
with "Null file",,haha, Anyway, I got the same error msg as in
other similar situations, illegal number in filestore ring,,,
Just in case you thought this was fixed, Jim   10ce1

  2-SEP-74 1957-PDT KELLEY: Clear command
  Distribution: MAYNARD, feedback
  Received at: 2-SEP-74 19:57:31   10cf

    is not available in DNLS appears someone forgo to say |NOT T|
    or
    something,   10cf1

  2-SEP-74 1955-PDT KELLEY: The copy command is not available in
Work
    Distribution: MAYNARD, feedback
    Received at: 2-SEP-74 19:55:35   10cg

    (it appears someone forgot to say NOT |L1| or something with
    the Clear command,   10cg1

31-AUG-74 0101-PDT KELLEY: Control-Q after typing in
questionmark
    Distribution: MAYNARD, feedback
    Received at: 31-AUG-74 01:01:17   10ch

    It does not immediately work in XNLS after saying "Insert
    Statemen t" and typing control-q. What happens is it waits for
    some other control character and then parses all of the
    contrl-q's
    in the user's buffer (usually several by then) and the user is
    stuck in Help several times recursively, very confusing, even
    to
    an experienced user,   10ch1

28-AUG-74 0258-PDT KELLEY: bug in work with viewspec g and
output quickprint
    Distribution: MAYNARD, irby, feedback
    Received at: 28-AUG-74 02:58:21   10ci

    I think it has to do with viewspec g when only a portion
    of a page is picked up by the system and sent to the printer,
    sure is reproduceable,   10ci1

27-AUG-74 2020-PDT KELLEY: A new (to me) bug with split screens

Distribution: IRBY, feedback
Received at: 27-AUG-74 20:20:35   10cj

In both NLS and Work. The file on the right half of the screen
will
suddenly decide not to recreate after an edit, Viewspec f
causes
<NUL> to appear in the top of that window and everything else
to dissappear, That file must then be reloaded to avoid fst
entry nonexistant and other such bullshit, After it
is reloaded everything is fine for a while and then it will
happen again, The file return ring on the left side of the
screen
gets fucked about this time,   10cj1

27-AUG-74 2015-PDT KELLEY: Backspace in level-adjust doesn't
Work
     Distribution: FEEDBACK, maynard
     Received at: 27-AUG-74 20:15:16   10ck

Typing d BC makes the d disappear, but does not keep it from
acting,   10ck1

26-AUG-74 1448-PDT MAYNARD: Assorted Bugs you reported Aug 22
     Distribution: KELLEY, maynard, feedback
     Received at;   26-AUG-74 14:48:42   10cl

We have made some changes ans fixes which are not in xnls yet,
They should take care of the following problems you mentioned:
  1) Some of the jump return and jump file return problems,
  2)The Sort problem (illegal instruction at sort + 3)
  3) Thebug in the tab command whith viewspec B,
I will let you know when these changes are in xnls and we would
appreciate your checking of these fixes,   10cl1

Additionally:
 The LSEL of type CHARACTER is correct for bugging a content
pattern,
 You bug the first character of the pattern and the compiler
finds
 the semicolon which terminates the content analysis pattern, 10cl2

 Charles will change the order of the promts for SSEL and DSEL
to
 correspond to the order given by question-mark,   10cl3

We are still investigating the other problems you mentioned,
and
we will let you know about their status later,   10cl4

77

26-AUG-74 0421-PDT KELLEY: Sort generates an illegal instruction
twice in a row
    Distribution: MAYNARD, vannouhuys, beck, feedback, hopper
    Received at: 26-AUG-74 04:21:55   10cm

on the file <kelley, workfile,> I need to use sort in order to
generate the documentation. The illegal instruction occurs at
SORT + 3 = 545610 but could you try it yourself. I was using
WORK. -- Kirk.   10cm1

26-AUG-74 0116-PDT KELLEY: instituting content analyzer patterns
    Distribution: MAYNARD, feedback
    Received at: 26-AUG-74 01:16:27   10cn

Half the time, content analyzer pattern don't really institute
when using load program, or else they go away when used. The
other half
of the time they work fine. Haven't figured out the pattern
yert, but you might take a look at it...very frustrating.   10cn1

23-AUG-74 0311-PDT KELLEY: Command Delete bug
    Distribution: FEEDBACK, maynard
    Received at: 23-AUG-74 03:11:30   10co

When hitting CD after typing questionmark in DNLS
When it says "Type CA to continue. Hitting a CD at that point
does not do a Command Delete, it merely takes the q-mark
message
away.   10co1

19-AUG-74 0652-PDT JERNIGAN: NewNLS HELP Glitch
    Distribution: FEEDBACK, KELLEY, LEE, VANNOUHUYS, jernigan
    Received at: 19-AUG-74 06:52:07   10cp

Dear all: 10cp1

Today I tried: 10cp2

Marker set command and apparently have successfully set a
marker in
my initial file. Now I am trying to find the marker and read it
successfully.   10cp3

I tried the show marker command and it gave me what I assume is
the
correct address (should be).   10cp4

I tried the old show marker command to take me to tthe adddress

and
I have been unable to find it, Went to HELP and said   10cp5

SHow marker
and it gave me some stuff about marker, one of which is a command
called show file marker, This I felt was what I wanted, so I
said: 10cp6

SHow "show file marker" and
  it gave me the description of the show verb,   10cp7

I said show "file marker" and
it gave me the description of a file,   10cp8

I said show marker again, and the command is there...but how to
get at it?
I tried show file marker in nls and it doesn't do it,
apparently I am not
doigg it right,   10cp9

What's the problem? And if I ask for a command quoted in HELP,
shouldn't
HELP show it?   10cp10

Mil   10cp11

13-AUG-74 1448-PDT LEE at OFFICE-1: printjournal
    Distribution: FEEDBACK AT ARC, irby at arc
    Received at: 13-AUG-74 18:01:38   10cq

    I just tried a print journal at ARC in new NLS and it printed
    the
    citations but not the links (text of document), I'm assuming
    that it is to
    work as before...   10cq1

12-AUG-74 0838-PDT LEE:
    Distribution: FEEDBACK
    Received at: 12-AUG-74 08:38:22   10cr

    I got a new message today "Illegal Number of blanks requested
    in CLINE",
    I had been working with split screens moving things from one to
    another where part of the screen remains and moves up, Part of
    the window was
    blank and a viewspec f fixed it,   10cr1

Copy with Filter Opinions   10cs

DCE   Filtered structure operations -- cf KEV's 23105
3-JUN-74 18:30 (GJOURNAL, 23224, 1:w)
*****Note: [ACTION] *****

10cs1

comments: I vote for Ken's #4, without more 'rationale'
supporting another   10cs1a

NDM   Response to KEV's (23105,): Filtered Edits
28-MAY-74 09:04 (GJOURNAL, 23131, 1:w)

10cs2

comments: My vote on KEV's four methods in (gjournal,23105,) 10cs2a

MY vote on KEV's (GJOURNAL,23105,).   10cs2b

Method Three seems the worst, since statement E gets
affected by a change in a seperate branch (which adds to
whatever confusion arises out of the other branch's change
in structure).   10cs2c

Method Four makes little sense on the Delete with Filter,
though I have no strong objections to it with the other
commands.   10cs2d

   Retaining the structure could be of value in files
   formatted (say for COM) based on structure. But in the
   Delete command, the whole idea was to get rid of that
   statement.   10cs2d1

Method One would be fine, but a plex can be structurally
broken and a relationship lost. A trade-off between import
of subservience and plex relationships in structure.   10cs2e

Method Two seems most appropriate for Delete wih filter (a
precedent of sorts was set with Append in moving everything
up a level). I would also be satisfied with Two in the Copy
and Move command. I am not sure how Transpose will be used. 10cs2f

JMB   Re (23105,) Implementation for Filtered Copy Plex, etc.
24-MAY-74 16:16 (GJOURNAL, 23119, 1:W)
*****Note: [ACTION] *****

10cs3

Re (23105,) Implementation for Filtered Copy Plex, etc.   10cs3a

   I prefer method 2, so that I could learn and remember the
   following simple rule.   10cs3a1

> "If the filter doesn't pass a statement, its
> substatements move up a level."   10cs3a1a

Also, that is the way I have understood for many months
(from Dornbush way back then) that New NLS was going to
work, and thus have I written the documentation for the
new Copy with Filter command.   10cs3a2

If you do eventually decide to stick with method 1
("If the filter doesn't pass a statement, its first
substatement is moved up into its place, with following
substatements remaining at their old level, now having
the first one as their source."??!)
or one other than 2, please notify me so that I can
change the documentation.   Thank you, Jeanne
B.   10cs3a3

DVN Filter Restructure Default Vote
24-MAY-74 08:20 23112 Message:
 I vote for method 1
*****Note: [ACTION] *****

                                                            10cs4

MDK copy move etc with filters
24-MAY-74 08:16 23111 Message:

re Victor's copy etc with filter:

It seems to me that if you look at the text as a document (not
as L10 program statements, for example) then what one is
looking for in using such a command is an excerpt of the
document.

The excerpt is to be controlled by the occurrence of certain
strings in a chapter, paragraph, section, or subsection of the
document.

The extract would be most useful, in my opinion, if alternative
three in Victor's write up were used: namely, copy, move, etc
ALL the parent statements of any statement that passed the
filter, and indicate where appropriate that those parent
statements were "empty", i.e. did not themselves contain the
filters.

                                                            10cs5

KIRK Preferred filter method
23-MAY-74 17:58 23109 Message:
 Method 1 in ken's list.

*****Note: [INFO-ONLY] *****

10cs6

KIRK New (unintentional?) meaning for viewspec capital B
14-AUG-74 14:54 (GJOURNAL, 23795, 1:w)
*****Note: [ACTION] *****

10ct

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.   10ct1

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.   .   10ct2

RLL 19-AUG-74 11:08 23821
bug in bugging: first line of screen
Location: (GJOURNAL, 23821, 1:w)
*****Note: [ACTION] *****

10cu

AHHHHHH, bugging the first line on my screen in effect bugs the
line prior to it (not visible). No split screen at the
time,doing moving, copying, transposing branches at the time,
19 Aug   10cu1

DVN 21-AUG-74 08:49 23832
BUG: Set Viewspecs Does Not Work

Location: (GJOURNAL, 23832, 1:w)
*****Note: [ACTION] *****

10cv

The Set Viewspec command will accept only two characters after
it has recognized "Viewspecs" (all other characters get a ? or
bell). They are CD and CA. Neither changes your viewspecs in
any way. I am assming for the purposes of the primer that it
will be fixed to take viewspecs and then a CA in that field.   10cv1

RLL 27-AUG-74 10:18 23877
sendmail delivery bug
Location: (HJOURNAL, 23877, 1:w)
*****Note: [ACTION] *****

10cw

The author copy of a sendmail item was delivered by replacing
statement zero (thus destroying the origin statement).   Yes
there was an author branch and no I did not interrupt the
delivery as it wa happening. 27 Aug 74   10cw1

KIRK 11-SEP-74 01:51   23936
interpreter/parser/cml/control-q bug
Message: After the substitute command, control-q doesn't work
until some other character is typed (this happens in many other
places in NLS some of which occur after displaying a message that
requires a CA to continue). What happens in these cases is the
user keeps typing control-q until giving up and going on to
something else in which case the user then gets into help
recursively ... Needless to say, this experience with the system
makes it look very stupid.
*****Note: [INFO-ONLY] *****

                                                                            10cx

JMB New NLS BUG: Y/N won't take yes for an answer
22-JUL-74 13:05 (GJOURNAL, 23661, 1:w)
*****Note: [ACTION] *****

                                                                            10cy

In the Substitute command, when I get to the field prompted
"Y/N:" typing y gets a questionmark.   10cy1

Comments: Please fix soon; it makes our documentation lie.   10cy2

RLL Show directory bug (DNLS+LP).
5-JUL-74 11:04 23527 Message:
 When using show directory with options time and date for read,
(DNLS and LP), if the information exceeds the viewing area, it is
lost. Two ideas to fix it: 1) use a more command like help system
or 2) format the text better, e.g., use columns.
*****Note: [ACTION] *****

                                                                            10cz

KIRK Bug in LEVEL-ADJUST
3-AUG-74 23:10 (GJOURNAL, 23729, 1:W)
*****Note: [ACTION] *****

                                                                            10de

In the Insert Statement command (and I presume whereever L:
appears, typing "d<"A>u" looks good but does not place the
statement up a level, but inserts it at the same level.   10de1

KIRK Bad File with jump to link on filename in origin statement.
2-AUG-74 00:55 (GJOURNAL, 23710, 1:w)

*****Note: [ACTION] *****

10da

Attempting to Jump to Link on the FILELINK in the origin
statement causes a Bad File message to be printed, The first
time this happened, I lost 12 hours of work as it would not
even load the file (my initial file), The second and third
times this happened, Verify File said it was bad, but ^C reset
Verify File said it was good, Very strange, Why does the
filename need to be in link delimiters anyway??   10da1

KIRK 2-AUG-74 01:01   23719
Update Compact seems to have solved Bad File Problem
Location: (GJOURNAL, 23719, 1:w)
*****Note: [INFO-ONLY] *****

10da2

Even though the Verify File command said everything was
cool, it wasn't until I did an Upate File Compact, Now
there seems to be no problem,   10da2a

KIRK 14-AUG-74 01:10   23790
Text disappears from the beginning of statements,
Location: (GJOURNAL, 23790, 1:w)
*****Note: [ACTION] *****

10db

KIRK 13-AUG-74 16:01   23789
Parts of statements dissappear
Location: (GJOURNAL, 23789, 1:w)
*****Note: [ACTION] *****

10dc

KIRK 18-AUG-74 00:16   23817
BUG in the substitute command
Location: (GJOURNAL, 23817, 1:w)
*****Note: [ACTION] *****

10dd

KIRK 15-MAY-74 18:29   23010
Please change the default setting for ESC in TNLS to be ESC,
MESSAGE: Currently it is defined to be <^B>, There is no way for
a default TNLS user to use Ken's file recognition feature, <^B>
doesn't do in the new system what it did in the old so people
certainly aren't used to it as it is, Please change it,
Message: Currently it is defined to be <^B>, There is no way for
a default TNLS user to use Ken's file recognition feature, <^B>
doesn't do in the new system what it did in the old so people
certainly aren't used to it as it is, Please change it,

*****Note: [ACTION] *****

10de

KIRK 23-MAY-74 21:17   23110
Bug with Filename recognition in Load Program Command
Message: Maybe this is an NP. Altmode should cause filename
recognition for a file in PROGRAMS directory without typing
programs, first.
*****Note: [ACTION] *****

10df

KIRK 12-MAY-74 13:41   22965
SENDMAIL BUG
Message: Don't send anything via the new SENDMAIL that is less
than 2000 characters but more than one paragraph or statement
long. SENDMAIL will only deliver the first paragraph.
*****Note: * action * *****

10dg

KIRK 20-FEB-74 17:57   22008
%Feature - must update immediately when loading busy file%The
most immediate bugs from several intensive sessions in XNLS
Location: (HJOURNAL, 22008, 1:w)

10dh

   When I logged in as kelley, in tnls, connected to NIC and then
   loaded and modified a busy file in a third directory, it locked
   the file as (NIC)kirk in directory kelley and wouldn't let me
   upate it.

10dh1

(2b1) [dsm] -044- It seems inconsistent that in Sendmail you type
"SH" to do (Sh)ow Status but anywhere else you would have to type
"SHS" for (Sh)ow (S)tatus. (feedback,fdbk,03340) i.e Change
"Status" to a command word in sendmail and change "Record" to a
command word in the Ident subsystems.

10di

(2b1) [dsm] -055- Default herald length should be 4 instead of 3.
(feedback,fdbk,02647)

10dj

(2a2) [hgl] -053- Must have simple DEX available in new nls.

10dk

(2b1) [chi] Change the CML to replace the entities "window" and
"boundary" by the single entity "edge", i,e, S[plit window]
H[orizontally] will become I[nsert] E[dge] etc.

10dl

(2a2) [chi] -062- Typing ~U before an address was also disliked by
many. The preferred prompt would be B:/A:, (feedback,fdbk,02664),
(feedback,fdbk,02777), (feedback,fdbk,02790

10dm

This will be changed, together with a new set of "DSEL SSEL
LSEL" def'ns , namely: 10dm1

	TNLS	DNLS
DSEL	A	<bug> / A
SSEL	A / [T]	<bug> / A / [T]
LSEL	T / [A]	<bug> / T / [A]

10dm2

[   ] Substitute Command is changing name delimiters.   10dn

[chi] Implement a method of showing a persons ident record given
his last name in the Identification Subsystem,   10do

    nearly done   10do1

[   ] Output quick-print and output sequential terminate abruptly
before they shoul   10dp

(4b2) -015- The space is not echoed to TNLS users when
second-level commands are typed in expert-expert, Our suggestion
is to echo it, (feedback,fdbk,02711), (feedback,fdbk,02712)   10dq

(3a3) -0115- Userprograms are too difficult for users to invoke,
why not have commonly used ones such as inmes and letter
instituted as a regular subsystem and simply say Goto subsystem
message or whatever, (feedback,fdbk,03335)   Other suggestions: 10dr

    One "load program" command should accomplish all of the
    following events: 10dr1

        set the buffer size appropriate to the program being loaded,
        load the program,
        OPTIONALLY run it   10dr1a

    In addition, the "Run Program" command should still be there,   10dr2

    At the least, the Load Program command should automatically set
    Buffer Size, (feedback,fdbk,03261)   10dr3

    Implementation by Development: Loading a user program will
    automatically increase the buffer size, It is impossible to
    predict exactly how much space a program will need but te
    algorithm used should almost always provide enough, Buffer
    space will not be returned to the user by the Delete Last
    (program in buffer) command because of the high overhead
    involved, however the Delete All (programs in buffer) will
    reset the buffer size to the system default value to avoid
    constantly increasing buffer sizes,   10dr4

User Feedback Decisions leading to NLS-8.1

[ekm] calculator sometimes changes ones ident to CALC ! See
(GJOURNAL, 23714, 1:w)   10ds

[ekm] - Calculator accumulator has dissapeared off screen, needs
restoration,   10dt

[   ] Jump to name external and set external file name in the
Editor do not work properly together, see (GJOURNAL, 23681, 1:w)   10du

[   ]Bad File with jump to link on filename in origin statement,
Location: (GJOURNAL, 23718, 1:w)   10dv

(3c1) Fix update command to "always" update origin, under some
circumstances this is not now done   10dw

[   ] prob with insert sequential in TNLS When i do an inserrt
seq, in TNLS, after everything has been specified, and i get the
mesage "Insert seq, in Progress" I then get blown out
with "NLS Systme error: illegal file # passed to FLNTADR"   10dx

(2b1) [chi] fix the bug in sendmail which will not let just
specify a <ca> for a null distributiion list,   10dy

    This will either be implemented by: 10dy1

        1) adding a type LIT to the CML which would require typein
        (no bugging allowed) or   10dy1a

        2)specifing a special character (ESC?) which means null if
        it is the first character of a typein,   10dy1b

    This is already implemented using method 2 above <^N> specifies
    a null lit   10dy2

Implementation by Development: Loading a user program will
automatically increase the buffer size, It is impossible to
predict exactly how much space a program will need but te
algorithm used should almost always provide enough, Buffer space
will not be returned to the user by the Delete Last (program in
buffer) command because of the high overhead involved, however the
Delete All (programs in buffer) will reset the buffer size to the
system default value to avoid constantly increasing buffer sizes,   10dz

[dsm] In DNLS the Jump to Content command leaves the current
marker positioned at the target text and the beginning of the
statement does not appear, See xjump,   10ee

(1a1) [dsm] Make the user dialog better for the "output to

terminal" command ,that is make the CML promts consistent with the
rest of the CML commands,   10ea

[   ] Fix interpreter bug which will not allow second level
subsystem names, This is required to implement the new subsystem
Terminal which conflicts with Subsystem Tenex,   10eb

(1a1) [dsm] -030- Change the default setting for ESC in TNLS to be
ESC, (feedback,fdbk,02906)   10ec

(2b1) [kjm] change the SENDMAIL Commands SEND FOR ACTION and SEND
for INFO to D[istribute] A[ction (copies to)] and D[istribute]
I[nformation (copies to)]   10ed

(2b1) [kjm] change the SENDMAIL Command DONE to "SEND (the mail)"   10ee

(2a2) -094- Altmode should cause filename recognition for a file
in programs directory without typing programs first when loading a
program, (feedback,fdbk,03018)   10ef

(1) -051- In TNLS, the Show Feedback command should show the
feedback mode as well as length and indenting,
(feedback,fdbk,03156)   10eg

(2) -054- Fewer colons would look better, i,e, A/[T]; rather than
A;/[T];, (feedback,fdbk,02649)   10eh

(1) -057- L; field shoul be optionally terminate-able by <ca>   10ei

(1) -060: When searching with a Content Analyzer Pattern, why not
have the compile command automatically institute the program,
(feedback,fdbk,03286)   10ej

    It does this now,   10ej1

(1) -067- "jump to ,fr" and "jump to ,r" need not be changed to
pause and give stack information to TNLS users, but they certainly
shouldn't go away,   10ek

(1) -071- - no this will not be done - When multiple characters or
words are allowed, the noiseword should be character(s) or word(s)
etc, (feedback,fdbk,02900)   10el

(1) -074- Discuss the following commands, choose simpler wording   10em

    Split window Horizontally,
    Split window vertically
    Simulate Terminal-type   10em1

One suggestion is: 10em2

split-window   horizontally
split-window   vertically
terminal-type   10em3

An alternate suggestion (by NDM) for simulating terminal type
is "set terminal-type"   10em4

An alternate suggestion (by NDM) for the window commands is to
do away with the "split" verb and "window" noun, and instead
use something like   10em5

   Insert Boundary (Horizontally / Vertically) at (BUG /
      Center of BUG) using window BUG CONFIRM
   [note this still offers the split at center as an option]   10em5a

   Move Boundary from BUG to BUG CONFIRM   10em5b

   Delete Boundary at BUG keeping view at BUG CONFIRM   10em5c

   Supporting arguments for NDM's suggestion are in
   (GJournal,30932,1:why)   10em5d

(2) -026- When the first or second command word is a phrase, list
the entire phrase as an alternative in response to question-mark,
For example, (d)elete (a)ll markers, preferably hyphenated,
(feedback,fdbk,03248) See (GJournal,23646,1:why) for suggestions
by Applications.   10en

(2) -031- Have Control-O stop printing alternatives after a
question mark has been typed. (feedback,fdbk,02796)   10eo

(2) -038- In TNLS a space should be fedback after a prompt and a
CR before a herald and prompt. (feedback,fdbk,02648) (We know of
no case where this isn't done already.)   10ep

(3c1) Fix substitute command to accept a "y" for answer.   10eq

(1) -012- Have "Set Case" be as follows instead of it's present
wording: 10er

   Force-case Character
   Force-case Text
      . . .
   Force-case Mode

                                                                          10er1

(3c1) -012- Change "Show File Marker" to be "Show Marker"   10es

User Feedback Decisions leading to NLS-8.1

(1) -025- In response to question-mark, alphabetize the
alternatives, (feedback,fdbk,03189)   10et

(1) -037- Change "record session" to "start recording-session" to
correspond to "stop recording-session", (feedback,fdbk,03258)   10eu

(1a1) -042- The error msg
  "Exceed Capacity"
should be changed to
  " NLS syst error: string too long "
to eliminate confusion with disk allocation being exceeded,
(feedback,fdbk,02765)   10ev

(1) -048- We'd also like to see <insert> and <repeat> listed as
alternatives at top level, (Most users will type <control-e> and
<control-b> respectively, but these are user-settable options,
Therefore use of the global terms insert and repeat is preferred,
But this also means that the HELP system data base must respons to
"show <repeat>" etc,   10ew

(1) -049- Other control characters should echo as it's done now
(e,g,, <lf> echoes via its action, not via a visible), This
replaces the recommendation given in (feedback,fdbk,02772)   10ex

(3c1) -035- Make the Jump commands available from any subsystem   10ey

(4b2) -034- All DNLS "jump" commands should be also available as
commands in TNLS,   10ez

(1a1) [kjm] -029- Unavailable alternatives should not appear after
question mark, For example, Load Busy file,   10fe

(2b1) [kjm] -022- New command: "print rest <ca>" (constrained as
in proposed "print file" command) equivalent to and replacing
current "print <ca>"   10fa

(2b1) [kjm] -021- New command: "print file <ca>" (obeying
default viewspecs, without upsetting current CM and without
upsetting current viewspecs): equivalent in concept to print
branch zero   10fb

(2a2) [kjm] -0101- When viewspecs B and 1 or g are used the view
on the screen and on a printout are different and they should be
the same, (feedback,fdbk,03284), (feedback,fdbk,02731)   10fc

(2b1) [chi] -019- In Print Structure commands, when a link with
viewspecs is used as an address, the viewspecs should affect the
printout, (feedback,fdbk,03273)   10fd

19-JUN-74 0905-PDT BAIR: Help on Jumps,
   Distribution: VANNOUHUYS, FEEDBACK, bair, kelley
   Received at: 19-JUN-74 09:05:12   10fe

   In response to Dirk's request I have been using Help more...
   these 2 comments:
   When using ^Q after "Jump to Name Any" I was taken to a list of
   jumps which did not include "any"; this did not appear to be
   due the fact that this part of the data base is not finished.
   Second, after one has used the more command to see the rest of
   the list, how does he get back to the original display of the
   list...?   10fe1

   RLL 8-MAY-74 11:22 22917
   Show directory command: comments
   Location: (MJOURNAL, 22917, 1:w)
   *****Note: * action * *****

                                                                      10ff

   First, there seems to be a bug in the show directory command,
   try show directory <CA> ^U for file filename <CA> No Protection
   <CA> <CA>, the message comes out 'reference to undefined
   interpreter variable', I tried diffeent forms of filename
   (e.g., full name all the way out to version number, S in the
   name, just the naee without extension, ettc.) always the same
   message,   10ff1

   comment: the messaae is cryptic, It should be more explicit as
   to what is wrong, i.e., the filename, command, etc,   10ff2

   the other options for this command seem to work, namely, show
   directory <CCA> ^U protection <CA> <CA>,   10ff3

   Comment: for protection option ther seems to be much too much
   information, Either eliminate the line called protection or the
   next three lines making the protection very explicit, My
   prefernce, well maybe the three line should survive, but it is
   a lot of lprinting, P, S, What is a gruop in this sense, How
   does one become a memeber of a group or not a memeber?   10ff4

   Finally, for simple show directory command, one must type three
   (3!!!!!) command accepts, that is a bit too much, I wouuld
   think that a <CA> or ^U would be the chose after Directory, If
   <CA> then that is it, Printout follows,   10ff5

DHC Address specification
9-JUL-73 17:37 17730 Message:
 Addresses for Text are additive (.1! 2w! should give me the first
three words of statement 1),

It would be nice to also have this for any double-address command
(Transpose, especially)

10fg

JMB 6-APR-74 20:50   22640
New DNLS Useroptions Feedback command
Location: (LJOURNAL, 22640, 1:w)

10fh

I tried using Terse in Useroptions Feedback command, then
repeating with Length = 0 and again with Length = 2. (In
Expert Expert recognition mode) My noise words went off, but
the whole command-word fed back. When this is implemented to
work as I understand (Length--when Terse is on--diminishes
amount of command-word fed back), what will be the procedure
for having command-words not feedback at all? Length = 0 ?   10fh1

2) if a statement name has one or more apostrophes in it (such as
the names in the ident file) then a jump to item using the option
to type in a statement name, and a jump to name BOTH FAIL with
error messages. Seems that apostrophe has a significant meaning
in address exressions that conflicts with previous usage, as
exemplfied by the ident file name conventions; (23493,) (MDK)   10fi

5) jump to link on a journal item which is in fact a message
ppositions you at the "up" of the statementt you really want to
see. Try it on this one. (23493,) (MDK)
*****Note: [ACTION] *****

10fj

23-JUN-74 2159-PDT   KELLEY: process commands bug
    Distribution: VICTOR, feedback
    Received at: 23-JUN-74 21:59:24   10fk

    I can't get it to work on the Jump Return command. It always
    says "Retrieve?"   10fk1

JMB 1-JUL-74 15:34   23500
Bug in Useroptions Show Control characters command
Message: Command failed in several NLS sessions 1-JUL-74 - I did
Execute Useroptions
Show Control etc.
nothing happened. (Three dots appeared for a suspiciously long
time. Did a <^T>--found it at IO Wait,,,& wait,,,& wait. A CA
gets out of it, but no info)   Then did-
Goto Useroptions OK
Show Control etc.
Nothing happened again. Show All works.

*****Note: [ACTION] *****

10f1

JMB 17-JUN-74
Reset Prompt command is still in new NLS's Editor subsystem. I
thought this was supposed to have been taken out?   10fm

21-JUN-74 0844-PDT BAIR: New NLS bugs
    Distribution: FEEDBACK, bair, irby
    Received at: 21-JUN-74 08:44:07   10fn

    1) You cannot search on a persons name in the ident subsystem.
    2) When I used viewspec f in the help subsystem it OVERWROTE
    the previous view on the help display
    3) The help display for the ident system was meaningless...not
    finished.   10fn1

JHB 19-JUN-74 11:02 23405
Where are the defaults?
Message: I am wondering when the recommended initial defaults for
new NLS are going to be implemented? At least the feedback
conventions.
*****Note: [INFO-ONLY] *****

10fo

18-JUN-74 1819-PDT WATSON: dot last name search
    Distribution: FEEDBACK
    Received at: 18-JUN-74 18:19:26   10fp

    I just submitted a journal item and tried the .<lastname>
    seach. It did not do anything. when I said done it took the
    string. What's happening? Dick   10fp1

17-JUN-74 1641-PDT FERGUSON: Trying to submit to the journal
    Distribution: FEEDBACK
    Received at: 17-JUN-74 16:41:06   10fq

    After a Goto Sendmail, (I wanted to send a loaded file to the
    journal) I typed File, and when it prompted B/[A], I pointed to
    the origin statement file name.
    NLS proceeded to blow up with a PMAP error of the form:
    IIL. INST Jsys 56 at LODRFB+217 = 54432
    Illeg. fork handle.
    It's reproducable if you need the registers.
    Did i do something wrong, or is this a bug??!!??
    (P.S. I would have sent tis to you thru the journal - But old
    Catch 22!! I can't get there from here!!)
    Ferg   10fq1

18-JUN-74 1819-PDT WATSON!   dot last name search
    Distribution: FEEDBACK
    Received at: 18-JUN-74 18:19:26   10fr

    I just submitted a journal item and tried the ,<lastname>
    seach, It did not do anything, when I said done it took the
    string, What's happening? Dick   10fr1

KIRK 6-JUN-74 21:48   23297
at-sign @ no longer valid character in statement names
Message: At-sign is the alphabetic zero and should be available
for use in statement names as in oldnls, Ampersand & should also
be available, but that's another issue, Is the fact that @ does
not work in the new system a bug or a feature?
*****Note: [ACTION] *****

                                                                          10fs

RLL 6-JUN-74 09:51   23283
Bug: Move Character
Message: Bug: try moving character from a particular point to the
same point, It copies the character instead of doing nothing,
Ture it is a silly thing to do but copying makes matters worse,
*****Note: [ACTION] *****

                                                                          10ft

RLL 25-MAY-74 11:29   23120
Return file stack (ring) bug!!
Message: Guess you al know that the file return stack (ring?) does
not work as advertized, If one loads three or more files,
thenproceeds to do a J[ump] .fr (in TNLS) the previous file is
loaded, another jump .fr brings back the last one; from then on
one flips back and forth between only the last two files, As i
understood it, one could do repeated .fr and eventually return to
the very first one, Now one must count the position in the stack
in order to return, Bad,
*****Note: [ACTION] *****

                                                                          10fu

JHB 27-MAY-74 10:34   23129
New NLS bug in dir listing
Message: When doing Show Protection on individual file received
msg, "reference to undefined interpreter value", rather than
protect listing for the file, The dir name and file name were
typed out and were accurate,
*****Note: [ACTION] *****

                                                                          10fv

DCE 3-JUN-74 12:36   23217
SENDMAIL should have plex-entity option

Message: Seems one can only send a file or a branch, I
habitually set up my material to be journalized so that I transmit
a plex, This should be added to the option in SENDMAIL,
(Basically I don't see why the standard array of structural-entity
options aren't offered as a matter of course,)
*****Note: [ACTION] *****

10fw

DCE 3-JUN-74 17:43   23223
INMES doesn't seem to work yet in New NLS -- cf, 23214
Message: Susan: re your note (23214, 1b2) about "INMES" now
working in New NLS -- I tried it, and I get loading message that
says there is no entry point, and when trying to RUN theprogram,
get similr NO-GO message,
*****Note: [ACTION] *****

10fx

 3-MAY-74 1621-PDT LEE: Editor subsystem, delete modifications
cmmand
    Distribution: FEEDBACK
    Received at: 3-MAY-74 16:21:33   10fy

    The screen doesn't refresh after th delete modification command
    until you type viewspec f, Sort of panics you when you think
    maybe it didn't work!   10fy1

2) When bugging a link which is the first visable in a statement
, the msg "illegal link, left delimiter not found" was
consistantly received for all operations on links, The link
status was ( ), The problem did not hold true for < > when these
replaced the parens, The same problem existed when there were no
characters preceeding the link, Links elsewhere in the same
statment worked, Thanks, (23041,) (JHB)   10fz

19-MAY-74 2303-PDT BAIR: New NLS bugs
    Distribution: FEEDBACK, irby, bair
    Received at: 19-MAY-74 23:03:56   10g0

    1) Can't use sendmail, Keeps jumping back to the last message
    I sent (hrs ago) and throwing me out of message input, Says
    "SSDA JSYS error litsup" among other things, Tried twice,
    Reset didnt help, Still cant send original problem which was:
    2) Cannot move boundary in this case from cente vertical to off
    left, Got "NLS display error" among other things, Tied
    twice, Could not see bug when bugging boundary positions,   I
    quit for today...   10g01

18-MAY-74 1222-PDT JERNIGAN: Bug, Jump to .e Command

Distribution: FEEDBACK, irby, lehtman, kelley, jernigan
Received at: 18-MAY-74 12:22:59   10ga

Until a few minutes ago the ..positioned on 0, jump to .e
command would get me to the last statement in the file, Or
position on a top level statement, jump .e would take me to the
last statement in that branch,   10ga1

Tried it two minutes ago and neither work now,.so something
happened, They don't move at all, I have just come into NLS, so
a new system may have been brought up since this morning early,
(Time now 11:25 AM Sat.),   10ga2

Mil   10ga3

JHB 22-MAY-74 21:57   23085
New NLS Bug
Message: Got "NLS System error" when jumping on link typein, Link
was OK, error if it werent' need to have error msg that's
meaningful, The link was of the form: COURSESTRUC,3, File and
staement number were OK
*****Note: [ACTION] *****

                                                                            10gb

21-MAY-74 1028-EDT   GOULD at BBN-TENEX: BACKSLASH, FRONTSLASH,
AND CONTENT ADDRESSING
    Distribution: FEEDBACK
    Received at: 21-MAY-74 07:32:53   10gc

%upper case terminal% I TRIED BACKSLASH AND FRONTSLASH AGAIN
WITH THE SAME BAD RESULTS,
NEITHER CHARACTER IS ECHOED AND NEITHER HAS ANY EFFECT, SINCE
THESE THINGS WORK AT SRI, PERHAPS THIS IS AN EFFECT OF COMING
IN
OVER THE NET,
    THE SINGLE QUOTE FOR CONTENT ADDRESSING DOESN'T WORK
EITHER,
THE STRING IS NOT FOUND, AND NEITHER THE SINGLE QUOTE NOR THE
FIRST
CHARACTER OF THE STRING IS ECHOED IN ITS COMPLAINT, THAT IS,
ASKING
FOR 'SOUP RESULTS IN OUP? ,
    THE DOUBLE QUOTE FOR CONTENT ADDRESSING WILL NOT FIND A
STRING
WHICH IS IN THE CURRENT STATEMENT, EVEN THOUGH THE STRING IS
NOT INITIAL, I HAVE ALSO FOUND CASES
IN WHICH THE STRING WHICH IS FOUND IS NOT THE ONE WHICH IS NEXT
IN TEXT ORDER,
    THE SEQUENCE OF COMMANDS

                    PRINT BRANCH 5
                    DELETE BRANCH 5
        RESULTED IN THE MESSAGE "FILE NUMBERS DO NOT MATCH IN
        STORESRRING" IN VERSION 147,   I DON'T KNOW WHETHER THIS
        CONDITIONS STILL EXISTS.   10gc1

        DVN 29-MAY-74 08:52   23148
        Miscellaneous Nothing
        Message: When I called for Miscellaneous as an option in copy
        directory just now it showed for each file that it had no
        miscelaneous information.
        *****Note: [ACTION] *****

                                                                        10gd

        JHB 16-MAY-74 11:29   23021
        Feedback about Tenex Scrolling
        Location: (MJOURNAL, 23021, 1:W)
        *****Note: tertiary distribution: ACTION*****

                                                                        10ge

        DHC 24-APR-74 14:53   30550

        Message: The system recognizes TERM SCO lines length <cr> but
        does not use the info to control printout. That is, it should
        pause after <lines> number of lines have been printed out (if
        there has been no type-in) and wait for me to send a character
        (inplying go-ahead).

        It is intended to keep text from scrolling past you before you
        can read it.

        Thanks for the support. (Also...Dirk did a secondary
        distribution to me.) Dave.

                                                                        10ge1

        16-FEB-74 1228-PDT KELLEY: create file bug
            Received 16-FEB-74 12:28:27   10gf

        If one tries to create a file with the same name as another
        file he has
        deleted but not yet expunged, he gets the message: No such
        version.
        This happened in DNLS when trying to create the file into an
        empty vertically split window. After expunging, it worked
        fine. %TENEX feature?%   10gf1

        DVN 29-APR-74 09:18   22882
        Problem With XNLS Delete File
        %He was bugging the wrong place in the link%

Message: It doesn't seem to wat to delete unattached partial
copies.
*****Note: * action * *****

10gg

JMB 6-APR-74 20:48   22639
New DNLS Useroptions problems
Location: (LJOURNAL, 22639, 1;w)

10gh

%Secondary modes aren't allowed except with expert - May 6%
Useroption's Reset Recognition doesn't work. It takes me back
to Expert all right, but sets the secondary mode back to the
last secondary one I have previously set to go with Expert
(with the Recognition command), not to the default, which I
understand is Expert Expert.

10gh1

Please let me know ASAP (for documentation purposes) if my
assumptions about how this command is supposed to work are
correct:

10gh2

    What the user gets before she uses any of the recognition
    commands is Expert Expert.

10gh2a

    After she changes it with Recognition command, the Reset
    Recogniton command will return her to Expert Expert.

10gh2b

RLL 26-FEB-74 14:02   30145
Bugs in output processor
Message: Some bugs(maybe just my misunderstanding) on the output
processor. (1) when having text in a footer which is reset by the
'text' command, if the variable is reset on the very next
statement following the last statement of the preceding page, the
footer in the previous page reflects the change. (2) I used the
command to reset the font for the page numbers; however, it
apparently did not like my setting to lowercase roman and
subsequent resetting to decimal. the commands were correctly
written as is testified by them not printed by the output
processor. Robert Lieberman (RLL)

10gi

 7-MAY-74 0755-PDT FEINLER: Jump to Item
    Distribution: FEEDBACK, feinler
    Received at: 7-MAY-74 07:55:45

10gj

    Was not able to get Jump to Item <SP> [typed-text] to work as
    it does in oldnls. Can get Jump to Name First to work but not
    Jump to Item. Tried it both with and without the <SP>. Am I
    doing something wrong or does this no longer work. This was a

very fast and easy Jump command for going down through a long
file, Jake

10gj1

SRL 23-APR-74 10:57   22800
Problem Inserting Statement
Message: I was inserting two statements and used CDOT after the
first, I was bombed into the Exec with the message ILLEG INST
3240115553 AT 120520, I did a reset and everything seemed to be
fine,

10gk

RLL 7-MAY-74 18:11   22912
ARC refusing networkers and crashes,
Message: In the last week I have noticed that the ARC computer has
ben up but did not permit access via the ARPANET, I guess this is
a bug; if not I would like an explanation, ALso the machine has
'gone down' severaa times to the network users (at least), This
message is intended to let you know of this (If you did not
already),
*****Note: * action * *****

10gl

DVN 22-APR-74 08:55   22786 %core dump%
0 PN, Xu .. ,7' p p B @ ?_oww{   ?_of(
Location: (LJOURNAL, 22786, 1:w)

10gm

- - - -

10gm1

I just now did a jump to file return after several sucessive
jump to link and jump to file returns, and the message above
flashed in my teletype window, Everything seems to be working
fine however,

10gm2

10gm3

10gm4

KIRK 3-APR-74 08:27   22621   %can't repeat%
PC Loading Bug
Message: When I used Goto Tenex while having a file loaded in XNLS
and created a PC to that same file in an inferior nls and then
Quit back to my original file in XNLS, it did not load the PC, I
tried re-Loading the file (twice) it still would not load the PC,
I had to reset before it would work,
*****Note: * action * *****

10gn

Bug with Compile Program

(J24052)   25-SEP-74 00:25;;;;   Title: Author(s): Kirk E, Kelley/KIRK;
Distribution: /BUGS([ACTION]) ; Sub-Collections: SRI-ARC BUGS;
Clerk: KIRK;

Bug with Compile Program

Bugging (CML,) for the (using) and (filename,CML;) in the Compile
File command results in the message "no such directory" then a second
attempt says filename.cml;1 is busy. Used to work.   1

ARPA Book Chapter Outline

(J24053) 25-SEP-74 12:06;;;;   Title: Author(s): Elizabeth J, (Jake)
Feinler/JAKE; Distribution; /SRI-ARC([INFO-ONLY]) ; Sub-Collections;
SRI-ARC; Clerk; JAKE;   Origin: < FEINLER, ARPABOOK-OUTLINE,NLS;2,
>, 25-SEP-74 12:00 JAKE ;;;;####;

ARPA Book Chapter Outline

Here is a copy of ARPAs outline for the Arpanet book. This is the
list of topics that came out of the meeting held at the ARPA office
in Washington, D.C., Sept. 9-11, 1974.   1

--   2

23-SEP-74 0637-PDT   FIELDS at USC-ISI: review of the meeting on the
Arpanet book
     Distribution: NORTON AT OFFICE-1
     Received at: 23-SEP-74 11:24:49   3

     Thank you all for working on the book. It looks better and
better. Below is the current list of topics and writing
assignments. Rough drafts are due January 1. Please keep sending
your bibliography suggestions and remember to include them with
your draft. Regarding the assignments, with some there are several
names. I expect the first is responsible for the draft submission
and coordination. Frank Heart and I will look for a
scientist-editor. Unitl then you can go forward with your writing,
sending drafts to me if you receive no other words before you are
done.   3a

good luck   3b

best   3c

craig   3d

Introduction (Roberts)
The concept (Metcalfe)
Chronology (Karp, BBN)   3e

Implementation
     Design decisions (BBN)
     Topology (Frank)
     Modeling (Kleinrock, Frank)
     ATT as a supplier (BBN)
     IMPs and HSIMPs (BBN)
     NCC (BBN)
     Host access (Kirstein)
     Terminal access (BBN,Retz)
     Protocols (Postel,Cerf,BBN,Crocker)   3f

Operations
     Management,administration,accounting (Schelonka)
     NIC (Feinler)
     Security and privacy (Pogran)   3g

Utilization and resources

1

ARPA Book Chapter Outline

User Feedback Decisions leading to NLS-8.1

(J24054)   25-SEP-74 14:16;;;;   Title: Author(s): ARC FDBK
Feedback/FDBK; Distribution: /SRI-ARC([INFO-ONLY]) KWAC([INFO-ONLY
]) ; Sub-Collections: SRI-ARC KWAC; Updates Document(s): 24051; Clerk:
KIRK;

User Feedback Decisions leading to NLS-8,1

<HJOURNAL, 24051,> contains the status of user feedback decisions for
NLS-8,1. It is over 100 pages long, we advise you NOT to print it.
Read it online. For the new features and bug fixes, see the
Documented branch. For those suggestions that have been rejected,
see the Rejected branch. The items scheduled to be done in the next
version are in <NLS,MODS>.   Those items which remain as Needs &
Possibilities are in <feedback,fdbk,future>,   1

A Plea and a Proposal

(J24055) 25-SEP-74 16:16;;;;   Title: Author(s): Elizabeth J. (Jake)
Feinler/JAKE; Distribution: /SRI-ARC([ACTION]) ; Sub-Collections:
SRI-ARC; Clerk: JAKE;   Origin: < FEINLER, PLEA-PROPOSAL.NLS;2, >,
25-SEP-74 16:08 JAKE ;;;;####;

A Plea and a Proposal

Dear ARCers,   1

This message is to present a plaintiff plea followed by a
practical proposal. First...   1a

   => THE PLEA <=   1a1

May I humbly beseech all ARC members who have a sudden urge to
send their white elephants to die in what is commonly referred to
as the 'NIC room' to think of some other approach. Everyone knows
what a pack-rat I am, but now that the junk is past arm-pit level
out there, even I am ready to yell 'Uncle'. In spite of the fact
that there are only two NIC people, we are still trying to use the
table, desk, and shelving in the NIC room to house NIC stuff, and
so would appreciate it if you would not reshuffle the stuff, take
any piece of paper or equipment that is not nailed down, and not
dump all unexplained junk on the first surface that pops up. The
problem is compounded by the fact that I inherited many as yet
unexplained piles of paper from Mil, Mike, Beau, and others. When
you pile yours out there too,...need I say more? You're
collective co-operation will be greatly appreciated.   1b

   => THE PROPOSAL <=   1b1

Lest it appear I am trying to be some kind of space hog, I would
like to suggest the following for everyone's consideration. If we
lined some of the walls with bookshelves and had possibly one
movable partition and a few comfortable chairs, we could turn the
NIC room into a combined library, training room, and NIC work
space. There is presently nowhere where we can sit and read a
journal article or browse through the stuff that comes in. Since
money is getting ever tighter, it seems like we are all going to
have to share some of the books and reports, and at any rate it
would be nice to have a place to look at current journals that has
lighting somewhat above one candlepower.   1c

If shelves and furniture are kept out of the middle of the room,
the room could easily be converted into a small conference room
and/or training room, and with one more hole in the wall the video
camera could be swung around to work in either conference room.
Jeanne Leavitt and I are limping along trying to do something
(ANYTHING!!!) with all the stuff that comes in, but as all of you
know organizing a group library is very low on both of our stacks.
However, if each would agree to do his/her part by putting things
back, leaving a note when things are taken, and putting some of
their goodies into the pot, we could have a fairly workable
arrangement.   1d

Could we have a little 'dialog' on this idea please.   1e

(J24056) 25-SEP-74 16:57;;;;;   Title: Author(s): Elizabeth K. Michael,
Harvey G. Lehtman, Charles H. Irby, Richard W. Watson/EKM HGL CHI RWW;
Distribution: /SRI-ARC([INFO-ONLY]) ; Sub-Collections: SRI-ARC;
Clerk: RWW;

NLS Task Shopping List for NSW

Introduction   1

    ARC's proposal for work on the NSW system (SRI No, ISU 74-132)
contained three "core" task areas. One task area "NLS as an NSW
Tool" contained a number of subtask areas that would: 1a

        1) make NLS an example of a tool fully integrated into the NSW
        environment,   1a1

        2) provide modifications and enhancements to NLS yielding user
        features of particular value to the initial NSW user community,   1a2

    The list of tasks presented was based on our understanding of the
needs at the time the proposal was written, The major proposed
effort would have been concerned with providing a special user
interface and set of tools to aid the COBOL coding process, Later
discussions at a meeting of NSW contractors and user
representatives at the Air Force Data System Design Center
indicated that a focus on NLS enhancements to the
documentation/publication area, including the ability to provide
simple line drawings and other graphic capabilities, might be more
valuable,   1b

    This document expands the list of possible NLS tasks toward these
needs. We are requesting guidance on the focus and priorities of
the NLS sub-tasks within available funding, Funding available for
the NLS part of the NSW contract is based on manpower resources of
about 3 man years of software engineering, 2 man years of
documentation, and associated supervision and secretarial support,   1c

    We agree with the thrust of Col, McGovern's remarks at the last
NSW meeting that some of the biggest problems in the system
building process are in the area of documentation and thus favor
more focus on documentation/publication and simple graphics as
providing greater payoff to initial users than obtainable with a
sophisticated COBOL programmers interface, We think such a COBOL
interface would be useful and could come later, Note we do
propose below to provide the ability to write COBOL programs using
NLS and to easily get them compiled,   1d

    We have listed suggested task areas below and indicated our
recommendations on priority, and minimum resources required,
Because of the general and open ended nature of many of the tasks
listed below, the estimates are to be primarily taken as
indicative of difficulty, As we work with NSW management to
create a specific task list we can refine the estimates, When one
subtracts the resources estimated to be required for essential
tasks from the total available only 1 1/2 man months of software
engineering manpower are left for optional tasks, Since estimates

are never perfect we should be optimistic and pick more tasks than
estimated resources,   1e

Documentation resources will be fully required to document what is
produced, We will discuss later, as an aside, alternate forms of
documentation and ask for guidance about preferences in this area
then, More general guidelines for the documentation of NSW tools
should be developed, It is not now clear how such NSW standards
would come into existence,   1f

The tasks proposed are, as mentioned earlier, based on our present
understanding of Air Force needs and our knowledge of NLS user
experience, We certainly know that more understanding and
analysis of present needs and procedures might modify this list,
Therefore, the tasks, primarily those listed as optional, should
be considered suggestions indicative of the types of thing that
are possible and open to modification and discussion, Many of the
tasks desired that can not be implemented within resources
available in FY 75 can probably be handled in the second year of
the NSW program,   1g

The reader is assumed to have read or have available for
background our original NSW proposal referenced above,   1h

New NLS-8 to Office-1   2

Introduction   2a

This version of NLS contains the base system structure required
for future NLS evolution in the NSW environment, It offers an
improved user interface with extensive online help facilities,   2a1

Essential Tasks   2b

This task is essential and almost complete, There are a few
known bugs to be fixed and several days of work to be done on
the Help system and the calculator, In addition, the NIC Query
system must be integrated with NLS-8 before it can be
transferred to Office-1, This task will have used, when
complete, about 9 man months of NSW NLS resources,   2b1

NLS Frontend Backend Split   3

Introduction   3a

This task is essential to make NLS an example of an NSW tool
fully integrated into the NSW environment and to provide a test
vehicle for many of the NSW design concepts, In the NSW
environment, tools and resources reside on different computers

over the ARPA network; user interaction takes place on a
(possibly) separate Frontend mini-computer, In the case of NLS,
the NSW frontend will initially be on a PDP-11 while the
backend will be on a PDP-10,   3a1

Essential tasks   3b

A clean separation within NLS between those parts of the system
which interact with users (Frontend) and those parts of the
system which execute his requests (Backend) was begun several
months ago, This split has been accomplished within a single
machine; the extension of such a split to separate forks on
the same machine, to two local machines, and finally to the NSW
operating system in which the machines are separated
geographically and connected by the ARPA network is now under
way. The design and implementation of interfaces and protocols
for cross-machine procedure calls and debugging is being
accomplished under the NSW Frontend and Protocol Tasks
described in the proposal, This task is concerned with the
necessary changes to NLS code to make the scheme work,   3b1

Work here overlaps both completion of NLS-8 and the larger NSW
Frontend task and should require about 3 additional man months
of NSW NLS resources,   3b2

COBOL Programmer's Interface   4

Introduction   4a

The tools in the existing NLS workshop have proven valuable in
aiding ARC programmers in designing, coding, debugging, and
documenting their code, While some of these tools such as the
debugger are applicable only to the specific languages used at
ARC, most current NLS tools and usage techniques will be
valuable in the Air Force COBOL environment, Additional
commands and command interfaces oriented to the specific tasks
of COBOL programmers together with specialized training in the
proper use of the available tools and in techniques of
structured programming could further enhance the value of the
system,   4a1

Essential tasks   4b

Make the current NLS available in the NSW COBOL environment   4b1

In its present form NLS can be used to create, structure,
and edit COBOL source code, Facilities existing in NLS
allow output of sequential files that can be sent over the

ARPANET for compilation at sites which offer COBOL compiling
tools,   4b1a

Production of the sequential source file including the
creation of the necessary Job Control Cards, connection to
the network and the COBOL site, and retrieval of compiler
output can be simplified with the addition of some new NLS
commands, These commands would utilize the interface to an
RJE facility described below,   4b1b

Replacing existing card-oriented tools with a much more
sophisticated and powerful set of tools will require some
changes in programming methods and training of personnel,
Under this conract we propose to develop a training package,
The actual training could be accomplished by us under
another contract associated with use of NLS through
Office-1,   4b1c

The required resource for this task is variable depending on
the depth of exposure to the system desired and the number
of new commands which are essential, The minimum effort
would be about 2 man months,   4b1d

Develop a preprocessor and an interface to a remote job entry
facility   4b2

A Remote Job Entry (RJE) facility will be made available
through the NSW Works Manager, This facility will allow the
NSW user to, among other things, compile and execute his
COBOL programs on various machines available within the NSW
environment that provide the required RJE facilities, An
NLS preprocessor would take the source code prepared by the
NLS COBOL programmer's interface and format it appropriately
for further handling by the NSW Works Manager,   4b2a

About 2 man months will be required to create the user
interface to the several command functions, These include
connection to the NLS Output Sequential command, develpment
of a simple interface to create the necessary JCL, a
function to connect through the RJE protocol, and a process
to retrieve diagnostics from the batch machine upon
completion of compilation,   4b2b

Optional tasks   4c

Develop a special COBOL interface which enforces structured
COBOL code   4c1

This interface, based on an NLS CML user interface, will

recognize COBOL reserved words at the beginning of an
expression, do recognition dependent on the user's default
recognition mode in NLS, and prompt the user for the
syntactically correct options. Upon insertion into the NLS
file, these expressions will have NLS structure applied to
make the code legible and the logic of the program readily
apparent.   4c1a

This would require about 3 man months of effort.   4c1b

Help insure syntactic correctness of the inserted source code   4c2

A syntax checker could be as complex as desired with a
corresponding increase in cost. At its most basic, a simple
syntax checker would be that built into the COBOL interface
described above and could require about 3 additional man
months effort.   4c2a

Create a COBOL shorthand facility   4c3

A COBOL shorthand facility could be a simple extension of
the NLS substitute command or could be an elaborate MACRO
facility, A reasonably powerful system could be provided in
about 3 man months.   4c3a

Provide online support for the COBOL program library   4c4

Existing NLS functions for cataloging, searching, and
linking documentation to source code could be used to
provide support for a program library with about 1 months
work.   4c4a

Attempt to use existing data definitions to   4c5

    Provide spelling completion when requested   4c5a

    Request new definitions and documentation when a new
    identifier is used by the programmer - approximately 2
    months effort.   4c5b

Create a test data files generator - 4 months.   4c6

Provide an online debugging facility - at least 3 months.   4c7

Simple Interface for Clerical Personnel   5

    Introduction   5a

        Secretarial and clerical workers typically perform a number of

operations very frequently. Some of these operations are
simple but time consuming, and could be made easier and more
efficient by use of facilities in NLS. Correspondence is such
an operation that can be readily automated; the preparation and
publication of documentation is another.   5a1

Two types of interfaces are proposed for these workers. The
first, a simple interface oriented toward classes of clerical
workers, and infrequent NLS users, is described here. The
second, a more sophisticated interface for documentation and
publication production, is described below.   5a2

The personnel using the simple clerical support package are
assumed to be unfamiliar with the use of computers. In some
cases, they may be temporary personnel. The package will be
made up of essentially self-contained, self-teaching functional
modules each designed to accomplish a particular task, letter
writing, for example. The simple clerical support facility
suggested here is restricted to the functional units easiest to
learn and use. The actual tasks to be supported would be
determined by working closely with appropriate Air Force
personnel. The tasks listed below are to be considered
indicative of the types of possibilities open.   5a3

Essential tasks   5b

    None   5b1

Optional tasks   5c

    Preparation and output of text   5c1

        Typing, correcting and reordering text is a common
        secretarial task. A simplified subset of the present NLS
        text editing capabilities could be extracted, and the
        command language syntax or vocabulary modified, if desired,
        which is self teaching and easy to learn and use while
        retaining most of the NLS editing power.   5c1a

        Some users will come into the NSW environment experienced in
        the use of line-oriented text editors. It would be possible
        to provide this type of editing orientation if it was
        considered to be of value. Effort required to study work
        patterns and needs and build simple interface about 1 man
        month.   5c1b

    Preparation and transmission of mail   5c2

        A considerable part of a secretaries work is associated with

processing of both incoming and outgoing mail. The NSW
environment will add another dimension to this process that
will take the form of mail handled completely within the
system. That is, envelopes, stamps, post offices, etc. will
not be involved.   5c2a

NLS programs can be written that will quickly and easily
guide a secretary through all of the steps necessary to
process mail carried over the NSW network. These modules
can have varying degrees of sophistication. A very
sophisticated system could include the ability to route a
memorandum sequentially to a list of receivers. Each person
in turn could append comments, a coded approval signature,
and so forth.   5c2b

The NLS Journal already provides automatic cataloging of
mail items in a master Journal index. It is possible, by
building on the Journal system, to build a module that will
catalog mail in a way that corresponds to existing Air Force
filing practices.   5c2c

Included in the NLS user program library is one which helps
a person write a letter, either for delivery by the system
or by conventional mail. This type of program can be
tailored to a particular set of specifications.   5c2d

Effort required in this area could vary from about 1 man
month to over 1 man yer depending on facilities desired.   5c2e

Calculator Extension   5c3

There is a facility in NLS that serves as a desk calculator.
The addition of table and column entities would increase the
power of the calculator and make it more useful in
supporting most bookkeeping tasks. This feature could be
provided with about one man month if tied in with related
editing feature extensions.   5c3a

Sophisticated Interface for Support Personnel-- Documentation and
Publication System   6

Introduction   6a

Users of the NSW have serious document production problems.
They need to produce, in timely fashion, system requirements,
manuals, reports, and other documents in hardcopy and in
various microforms. In addition some documents must be
available for online studying and editing. The documents may

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include extensive tables, diagrams, and complex formats; it
must be possible to alter formats for different output media,   6a1

Conventional production methods based on typewriter, paper, and
offset printing are becoming increasingly expensive, and
increasingly slow in comparison to the development of the
systems they describe,   6a2

ARC has developed a set of tools and procedures described as
the Documentation Development Production and Control System
(DDPCS),   6a3

The DDPCS tools consist of specialized programs to format
text for printing (the Output Processor) and procedures for
using general NLS tools,   6a3a

Described below are essential and optional tasks in the DDPCS
which would be beneficial to the NSW community,   6a4

Essential tasks   6b

Training package for documentation support personnel   6b1

NLS has satisfactory means for entering text directly into
computer files via typewriter-like terminals or two
dimensional CRTs and a system based on cassettes to
accumulate text offline for later translation into computer
files,   6b1a

The ability to collect, insert, delete and change text is
fully implemented, In addition, the structure inherent in
NLS text files facilitates studying, searching, extraction
of tables of contents, and rapid reorganization and
reformatting of files, The use of filtered views, dynamic
and sophisticated content searches, and the ability to
display text in sequences other than the linear sequence of
the file itself give added power in executing these tasks,   6b1b

A training package oriented toward documentation support
personnel should be developed and could be done with about
1 months effort, This package would emphasize those parts
of the system which facilitate Air Force documentation and
publication practices,   6b1c

Interface Output Processor to special output devices   6b2

The NLS Output Processor currently provides users with the
ability to produce high quality formatted documents on
either hard copy printers or a COMP-80 COM device, We

8

should provide the NSW community with interfaces between the
Output Processor and other desired devices such as the
Linatron, These interfaces can probably be built in from 1
to 3 man months for each device, The time required depends
on the characteristics of the device,   6b2a

Optional tasks   6c

Interface to other textual input systems: OCR, MTST, Etc   6c1

Optical Character Recognition (OCR) hardware could be used
to collect text prepared on standard typewriters for
incorporation into computer files, Devices such as IBM MTST
could also be used for simple textual input, We could
prepare packages for translating sequential files prepared
in these modes to structured NLS files which could then be
edited or formatted online in NLS, About a months effort
should be needed here,   6c1a

Additional editing functions and entities requiring about 3 man
months work   6c2

The special requirements for formatting Air Force manuals
and documents suggest some added features that would make it
even easier to produce the necessary formats,   6c2a

All NLS statements are now equivalent nodes in a tree
(outline) structure, It would be easier to produce tables
if it were possible to identify certain nodes as 'headings'
and to arrange other material as cells in a matrix for table
creation,   6c2b

At present the creation of tables in the typewriter
version of NLS tends to be as tedious and time consuming
as on a typewriter, It is much easier on the display
version, but even here enhancements would be useful,   6c2b1

Comment Facility   6c3

It would be of help to people working together on a document
to have a way of appending comments, The comments might be
an editor's suggested corrections, The file could be viewed
with or without these comments or corrections displayed,
This could require 2 or more man months work,   6c3a

Special applications packages   6c4

NLS has programs to generate tables of contents, indices,
and bibliographies, As we undertake to deal with new

formats and larger documents these programs should increase in flexibility and capacity. Additional packages oriented to the NSW community could be created. Effort here variable based on what is desired.   6c4a

Modifications to the Output Processor - 5 man months   6c5

New directives for specialized formats   6c5a

At present the Output Processor by default formats paragraphs like those in this document. It is possible to create other formats, e.g. Air Force formats that bring the first line of each paragraph to the far left, but it requires 2 or 3 directives per paragraph. That is acceptable in standard documents where a program is inserting directives automatically, but is time consuming otherwise. Addition of a small series of directives calling for various paragraph formats would save a lot of formatting work in the long run.   6c5a1

Footnotes   6c5b

At present the Output Processor can create only pages of text with running headers and footers. Changes to produce footnotes at the bottom of the page on which they are referenced, glosses, or multi-column formats that break across the page can be made.   6c5b1

Formatted COM proofs at terminal   6c5c

Implementation of the graphics display capabilities described below could also allow full page proofs of highly formatted COM output with multiple font faces and sizes to be displayed at the terminal.   6c5c1

Expanded character sets   6c5d

At present the Output Processor can print only members of the 96 character ASCII set. These can be printed on COM in different fonts and sizes. It should be possible in COM to use other characters including braces, boxes, circles, and standard mathematical symbols.   6c5d1

Graphics   7

Introduction   7a

Potential NSW users have expressed interest in incorporating simple line drawings with textual material into NLS files.

Examples include simple graphs, organization charts, block
diagrams, and flow charts,   7a1

Essential tasks   7b

None   7b1

Optional tasks   7c

Simple drawings - 5 man months   7c1

While we must study the optimum configuration, a low cost
graphics work station might consist of a standard
alpha-numeric display and a graphics storage display
connected directly to the frontend PDP-11 or through the
Line processor serving the alpha-numeric display. A file
appearing on the alpha-numeric display would show all text
in the file and would have a special notation to designate
areas where drawings would appear on the graphics terminal,
The graphics terminal would display line drawings and any
text associated with them,   7c1a

In graphics mode the user could make or modify simple line
drawings by using the mouse, keyboard, and graphics display,   7c1b

The user could insert/delete/move a line or entire figure
and perhaps change the size of a figure or subfigure,   7c1c

The work station could include a graphics hardcopy unit to
allow hardcopy of the line drawings and text shown on the
graphics display. Several work stations could share such a
unit,   7c1d

In cases where the final output is to be from a
photocomposition device, the edited file could be processed
and a proof of the final product displayed at the graphics
terminal. The user could modify format control information
in the file using the alpha-numeric display and view a new
proof at the graphics display.   7c1e

Graphics input from other tools - 1 man month assuming simple
drawing facility   7c2

We could provide an interface to a commonly used graphics
device (for example, a CALCOMP plotter software package) or
perhaps to a to-be-developed NSW graphics protocol, This
would allow a user to generate a graphical entity using some
other tool, bring that graphical entity into NLS, and store
it with some explanatory text, Thus, graphs, bar charts,

etc, based on management or other data could be integrated
with text and other drawings into memos, reports, system
documents and so forth, The tool generating the graphics
would, for example, generate commands in CalComp plotter
output format, which would be stored in a file which could
then be processed by NLS to produce the picture to be stored
in an NLS file,   7c2a

Flow-chart production - 1 man month assuming simple drawing
facility   7c3

    Flow chart production would require a new set of entities
    (built-in figures) that offer flow charting symbols, e.g, a
    diamond shape to indicate a decision point, a special shape
    to indicate printed output, etc,   7c3a

    In addition to the standard set, the user should be able to
    define new symbols.   7c3b

    The user should be able to change the size of each occurence
    of a symbol, associate text with the symbols and manipulate
    connecting lines between symbols,   7c3c

Perform any modifications to the NLS file system that may be
necessary to integrate it most efficiently into the larger NSW file
system and conventions,   8

    Essential tasks   8a

        While we do not anticipate any necessary changes to the current
        NLS file structure, we should be prepared for modifications
        made necessary by the design of the NSW Works Manager and
        limited Network bandwidth,   8a1

This table summarizes minimum estimates of resources required
for implementing the simplest approach to each task,   9

Figures are in man months,   10

ESSENTIAL TASKS: Estimated Resources   11

    New NLS-8 to Office-1   9   11a

    NLS Frontend Backend Split   3   11b

    COBOL Programmer's Interface   11c

        Make current NLS available in   2

the NSW COBOL environment
and develop a basic training package   11c1

Develop a preprocessor and an   2
interface to a remote job
entry facility   11c2

Documentation and Publication   11d

Training package   1   11d1

Interface Output Processor   1-3 per device
to special output devices   depending on
                                      its characteristics   11d2

Modifications to NLS file system   0   no changes expected
                                              to be required   11e

TOTAL ESTIMATED REQUIRED   18-20   12

OPTIONAL TASKS: Estimated Resources   13

COBOL Programmer's Interface   13a

Develop a special COBOL interface   3
which enforces structured
COBOL code   13a1

COBOL syntax checker   3   13a2

COBOL shorthand facility   3   13a3

Online COBOL program library   1   13a4

Spelling completion   2   13a5

Test data files generator   4   13a6

Online debugging facility   3   13a7

Interface for Clerical Personnel   13b

Preparation and output of text   1   13b1

Preparation and transmission   1
of mail   13b2

Calculator Extension   1   13b3

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Documentation and Publication System		13c
Interface to other textual input systems: OCR, MTST, Etc	1	13c1
Additional editing functions and entities	3	13c2
Special applications packages	-	13c3
Modifications to the Output Processor	5	13c4
Graphics		13d
Simple drawings	5	13d1
Graphics input from other tools: 1 assumes above		13d2
Flowchart production	1 assumes above	13d3
TOTAL ESTIMATED OPTIONAL	40	14

Sep

Ident request: RLL to PROF

(J24057)   25-SEP-74 17:00;;;;   Title: Author(s): Robert N.
Lieberman/RLL; Distribution: /MLK([ACTION]) ; Sub-Collections:
SRI-ARC; Clerk: RLL;

Ident request: RLL to PROF

Could you please append my ident to the PROF group . I think other
new member of ARC might also be put on this group. Are there other
groups I should know about? JCN saaid ok for PROF. Thanks,   1

show directory command toooooo long.

(J24058)   25-SEP-74 17:19;;;;   Title: Author(s): Robert N.
Lieberman/RLL; Distribution: /FDBK([ACTION]) ; Sub-Collections:
SRI-ARC; Clerk: RLL;

Show directory command toooooo long.

What good is the show directory command if it take considerably
longer to see ones directory using ths NLS command than using the
tenex dir command? I have found myself going to Tenex almost always
because of the time. P.S. Thanks for 'paging' the directory. That
makes the NLS command a bit better for long dirctories (over the
tenex comaand.)

1

where to find architects minutes.

(J24059)   25-SEP-74 17:21;;;;   Title: Author(s): Robert N.
Lieberman/RLL; Distribution: /JCN([ACTION]) ; Sub-Collections:
SRI-ARC; Clerk: RLL;

where to find architects minutes,

(lieberman,arch,1:web) = the architects minutes for Thursday.   1

New (Experimental) version of L10 Compiler

(J24060) 26-SEP-74 09:23;;;; Title: Author(s): Don I, Andrews/DIA;
Distribution: /SRI-ARC([INFO-ONLY]) ; Sub-Collections: SRI-ARC;
Clerk: DIA;   Origin: < META, XL10.NLS;3, >, 25-SEP-74 17:08 DIA
;;;;####;

New (Experimental) version of L10 Compiler

Notice: 1

A new version of the L10 compiler is available for experimental
use as <SUBSYS>XL10.   1a

The differences between the current L10 and the new XL10 are
described here.   1b

There may be more changes in the future, before a new L10 is
adopted.   1c

This is a very brief description of the changes and will be
smoothed out and incorperated in what L10 documentation we have as
time permits.   1d

Additions: 2

In DECLARES's   2a

Values can be expressions   2a1

Initial values to be stored in declared items can be of the
same syntax as expressions, with the exception of the CASE
expression and the bit-AND/OR/XOR functions (i,e, .A .V and
.X). All items in the expression must however be defined by
the time that declaration is compiled (one pass compilation,
you know).   2a1a

Also, the symbol "=" to assign a value to a declared
variable may be replaced with the symbol "_". They are
equivalent. The symbol "_" is not allowed for declarations
of symbols that are not variable, as in CONSTANT, ADDRESS
and REGISTER declarations.   2a1b

Use ADDRESS, not SET   2a2

As a more descriptive declaration, use the word ADDRESS
where you now use SET. "SET" is still accepted however.   2a2a

New declaration: DECLARE CONSTANT   2a3

Symbols can be declared to represent a constant value (given
by an expression). The symbols are then used in a program
as tho they were variables containing the specified value,
but they take up no memory and the compiler takes advantage
of the situation if possible.   2a3a

External constants function just like non-external constants
for the file they are declared in, but they do take up

1

memory and are available to other code-files. Incidently,
code in other files may store into an external constant if
it is not in a write protected page.   2a3b

Declared items may be NLS names   2a4

An alternate form for declaring symbols has been included.
The general form is: 2a4a

'(.ID ') declareword ';   2a4a1

The declareword may be preceeded by "EXTERNAL" if desired.
Definitions follow: 2a4b

declareword =   2a4b1

"STRING"   2a4b1a

which must be followed by '[expression '] or   2a4b1a1

('= / '_) ,SR for actual initial value,   2a4b1a2

"CONSTANT" '= expression   2a4b1b

"TEXT" "POINTER"   2a4b1c

"STACK" '[expression [', expression] ']   2a4b1d

"RING" '[expression [', expression] ']   2a4b1e

"ADDRESS" '= expression   2a4b1f

"DECLARE"   2a4b1g

which may be followed by '[expression '] or   2a4b1g1

('= / '_) expression for actual initial value or   2a4b1g2

('= / '_) '(#<',> itemval ') for a list of
values,   2a4b1g3

or the declareword may be absent,   2a4b1h

which is the same as writing "DECLARE".   2a4b1h1

itemval =   2a4b2

,SR to get that string into memory (not an A-string)   2a4b2a

2

's .SR to get the address of that string   2a4b2b

's .ID to get the address of that symbol   2a4b2c

or an expression (defined of course).   2a4b2d

In Procedure LOCAL's   2b

LOCAL CONSTANT is allowed   2b1

The constant symbol is a local but takes up no memory. It
is discared at the end of the procedure, as are locals.   2b1a

Runtime assignment is allowed at LOCAL declaration time   2b2

An initial value for locals may be specified. The syntax is
the same as assignment of values to declared symbols, but
the expression need not contain defined symbols; it is
evaluated at runtime.   2b2a

It is equivalent to declare a local to be an expression, and
to assign store an expression in a local at the start of the
procedure.   2b2b

In FORMAL arguments   2c

You may specify the type of argument   2c1

Symbols of type REF and POINTER can be specified to be so
right in the formal argument list. For example: 2c1a

(p) PROCEDURE (REF arg1, POINTER arg2);   2c1a1

This is equivalent to saying the following after the
procedure heading: 2c1b

REF arg1;   2c1b1

POINTER arg2;   2c1b2

In primary symbols   2d

Three new symbols builtin   2d1

The new uppercase identifiers are to help out when
programming both the PDP-10 and PDP-11. They are
essentially constants that are builtin: 2d1a

WORD = 36 on PDP-10, 16 on PDP-11   2d1a1

New (Experimental) version of L10 Compiler

ADDRESS or ADDR = 18 on PDP-10,   16 on PDP-11   2d1a2

CHARACTER or CHAR = 7 on PDP-10,   8 on PDP-11   2d1a3

They should be helpful in record field declarations.   2d1b

Deletions: 3

Special syntax of the following forms have been deleted becuase
they are no longer used or desirable: 3a

DSP ...   3a1

INPUT ...   3a2

DEFINE ... (use DECLARE CONSTANT)   3a3

GROUP _ ...   3a4

STATE _ ...   3a5

ENTITY _ ...   3a6