

This document defines requirements for the NLS on-line HELP system,
as drafted by RWW, DSK, MDK, DVN on 27-September-73.

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1

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but those items marked with an asterisk are lower priority than the
others. (That is, their implementation may be deferred until a HELP
system is running).

2

USER NEEDS

Beginners ... Experts: Questions and/or needs we must be able
to handle (NOTE ... We assume that the user has no hardcopy
documents with him when using the on-line NLS HELP system.)

3

1) user needs simplicity and obviousness of notation and of
descriptive language

3a

must be understandable by anyone who understands English but
doesn't understand NLS or computer jargon

3a1

2) user needs help when he performs an operation and doesn't
understand the result

3b

user must be able to learn about unstated assumptions and
side-effects of any given command

3b1

user must be able to learn about the meaning and
inter-relationships of specific concepts and specific commands

3b2

this might be done through a mechanism such as "see also",
provided that we include English text to provide continuity
from the description of one concept or command to that of
another

3b2a

user may need to know what is the new command language
equivalent of an old command

3b3

(for example, the user must be able to find out how to do
what "xset" used to do; a simple question mark while in NLS
won't help him with this problem)

3b3a

3) user needs to know how to do an operation

3c

we must provide command language categories, in which the user
can (hopefully) quickly find the operation he wants to do

3c1

we might make use of synonyms for some of the concepts (for example, "writing files" and "output" could be synonymous)

3c2

the user must be able to say "show command-name", for example:
SHOW OUTPUT SEQUENTIAL <cr>

3c3

the user must be able to learn about all the VERBS or NOUNS

3c4

after the user has typed "?" in NLS or a "show" command in HELP, he may not understand a symbol or acronym such as PLEX, LEVEL-ADJUST or ADDRESS and want to be able quickly to determine its meaning.

3c5

- 4) user needs to be able to "browse" through a textual description of NLS and its capabilities

3d

this requires appropriate organization and categorization of that portion of the data base dealing with concepts

3d1

it also means (for optimum usefulness) that the organization and categorization in the "concepts" section should be parallel to that in the command section, wherever appropriate

3d2

- 5) user needs a description of how to interface his terminal with our system

3e

this includes the need to change control character definitions, the need to know the proper TIP commands, the way to handle an "upper case only" terminal, and similar questions

3e1

- 6) user needs brief system responses (current rules of thumb are o.k.) but we should not sacrifice clarity for terseness

3f

we must try to wisely trade off the number of operations (levels) to get to the data, versus the number of menu items he must select from

3f1

For example, the grouping of all NLS commands under the category "editor" reduces the number of levels, but increases the frustration of the user in having to wait for the entire list of menu items: more categorization is clearly desirable here.

3f1a

More extensive use of columnation could relieve the psychological distraction of many output lines. Perhaps a useful feature would be to print say nine menu items (if there are that many) and then allow the user to see more if he responds affirmatively to a prompt such as "MORE?".

3f1b

TNLS users should not have to see DNLS-only descriptions, and vice versa. Query should be able to recognize and take appropriate action on such statements in the HELP database

3f2

7) user needs two distinct entrance points to HELP, and correspondingly two distinct ways of being greeted:

3g

"back-door" entrance: the user enters from within a specific NLS command, by typing <control-q> (or whatever is ultimately chosen for this purpose)

3g1

he is greeted by a header message (a short "welcome"), and a trailer message (a short description of what options he has now) these messages to be located in a special top database branch

3g1a

"front-door" entrance: the user enters HELP by typing either an appropriate Tenex command (such as "HELP <cr>") or one of two equivalent NLS commands: "HELP <cr>" or "GOTO HELP <cr>". (The NLS command language should provide both these alternatives to enable the user to get to the HELP system.)

3g2

he is greeted by a short welcome message stating

3g2a

where he is now (HELP)
what to type to get HELP rules
what to type to get next selections

3g2a1

the description of HELP rules (if he asks for it) should include:

3g2b

how to do things ... like finding out about an operation or about all verbs

3g2b1

what types of things are available to him ...
descriptions of commands, of concepts, of access to NLS,
of how to interface his terminal to NLS requirements, etc

3g2b2

8) user needs to know what step beyond HELP to call if he needs more help, for example persons' names, phone numbers, linking to an on-line HELP person, etc.

3h

* 9) user needs scenarios that give him more information than a single example does (It is not necessary to implement this at the outset; it is a desirable feature of HELP, but it can wait for a second phase of the HELP system.)

3i

* 10) user needs a tutorial on how to get to more extensive

documentation via HELP (It is not necessary to implement this at the outset; it is a desirable feature of both Query and HELP, but it can wait for a second phase of the HELP system.)

3J

for example, HELP must be tied to the ARC Locator (and the NIC Locator) in a clean way: HELP should allow the user to browse through the Locator files, access the information it refers to, print all or selected parts of that information, and remain under the Query system throughout these operations.

3J1

MAINTENANCE NEEDS

4

1) Query should provide certain error-handling and diagnostic capabilities:

4a

Query must give the data base builder a capability for entering comments into the database. These comments must not be seen by the user of HELP; they are for debugging and maintenance purposes.

4a1

Query must provide meaningful error messages to the user of HELP when something goes wrong, and always leave him at a place so that he knows what to do next

4a2

Query should search for any name that is typed in as the object of a "show" command, but warn the user at an appropriate time (like if it isn't found in a localized search) that the search will take considerable time

4a3

Query should allow a special mode of use (settable by an unadvertised, perhaps privileged Query command) in which the HELP database maintainer can get appropriate error messages concerning missing or otherwise erroneous links, statement names, etc. (These error messages might be recorded on a file, or printed to the database person on-line, or both.)

4a4

The NLS "execute" feature should be usable by HELP database maintainers to allow emulating the Query "show" command while in NLS. (This would be via the proposed "Execute SUBSYSTEM-NAME SUBSYSTEM-COMMAND" feature, where the subsystem-name is HELP, and the subsystem-command is SHOW.)

4a5

* Query should keep a record of all those names that were typed in as the object of a "show" command but were not found during the search. This will provide a guide to the database builders as to what concepts, etc., the user is looking for.

4a6

2) A link verification program is needed that will:

4b

see that the object linked to is there, and check against loops.

4b1

produce a cross reference of statement names and where they are referred to

4b2

3) Ideally, HELP should not be sluggish either in its responses to the users' requests for information, or in its responses to the database maintainers' needs.

4c

The HELP database builders should use duplicate statement names, interfile links, and intrafile links in a way that provides the fastest response.

4c1

They should run some experiments to determine the appropriate tradeoffs between the use of links and the use of duplicate occurrences of a statement or branch.

4c1a

The HELP database builders should minimize the occurrence of duplicate statement names.

4c2

This can be done by not using statement names in menu items (wherever practicable), i.e., by forcing the user to select a menu item by its number rather than giving him a name to type. This is especially applicable to the often-occurring SYNTAX - EXAMPLE - FUNCTION (etc.) choices, which if always in the same order could always be selectable by number.

4c2a

Another tactic would be to let one statement in a menu be a "See Also" statement, that is a list of statement names that the user should type if he wants more information about the item. (However, care must be taken to provide sufficient English text for continuity between the description of the current concept or command and the description of those on the "See Also" lists.)

4c2b

MULTIPLE DOCUMENT NEEDS

5

A desirable result of building the HELP database would be to be able to extract other documentation from the database automatically, or at least with the help of some programs.

5a

A minimum level of documentation to be extracted would include

5b

user reference manual;
index for reference manual;
command summary

5b1

* It would also be desirable (though recognizably more difficult) to extract different views of information, such as tables, novice-user guides, quick-reference guides, etc.

5c

OTHER NEEDS

6

The HELP database designers need to establish whether HELP should be a proper subset of Query (i.e., no special Query features for HELP), or whether there should be special features of HELP that are not part of the more general Query system. We feel it best that HELP be a proper subset of Query.

6a

NOTE ... All items are considered mandatory requirements for the HELP system, but those items marked with an asterisk are lower priority than the others. (That is, their implementation may be deferred until a HELP system is running).

7

19433 Distribution

Richard W. Watson, Elizabeth J. (Jake) Feinler, Harvey G. Lehtman, Kirk E. Kelley, Laura E. Gould, N. Dean Meyer, Jeanne M. Beck, Charles F. Dornbush, Dirk H. Van Nouhuys, Michael D. Kudlick, Diane S. Kaye, James C. Norton, Richard W. Watson, Kirk E. Kelley, Harvey G. Lehtman, Elizabeth J. (Jake) Feinler, Jeanne B. North, Michael D. Kudlick, Charles H. Irby,

(J19433) 3-OCT-73 08:53; Title: Author(s): Michael D. Kudlick/MDK;
Distribution: /DIRT RWW NIC-QUERY; Sub-Collections: SRI-ARC DIRT
NIC-QUERY; Clerk: MDK;
Origin: <KUDLICK>REMNTS(2).NLS;7, 28-SEP-73 16:01 MDK ;

Copy of SMFS Source Now Available

Dave-- SMFS-DHC.NLS is now in <UCLA-NMC>. --Jim

1

19434 Distribution
David H. Crocker,

Copy of SMFS Source Now Available

(J19434) 3-OCT-73 11:35; Title: Author(s): James E. (Jim)
White/JEW; Distribution: /DHC; Sub-Collections: SRI-ARC; Clerk: JEW;

427m trip report

trip report

1. edward f. la forge 1a
2. 427m spo, hq esd, l.g.hanscom fld, bedford mass. 1b
3. 22 aug 73 to 24 aug 73 1c
- no. of days : 3 1d
4. to discuss specific support requirements by task for radc in fy 74 , with special emphasis on data processing and display. 1e
5. persons contacted: 1f
- leo genzler, esd, j laschiene, mitre; j mcmellon, esd 1g
6. no 1h
7. n/a 1i
8. n/a 1j
9. n/a 1k
10. no 1l
11. yes 1m
12. asap 1n
13. radc/la forge 1o
14. letter to esd 1p
15. with respect to the primary purpose of the tdy, the trip may be candidly considered as a failure on my part to get any significant statement from the spopersonnel to commit themselves in any positive fashion as to what events, activites or other time related efforts may be required of radc in fy 74. major roseman, esd, who is the responsible honcho on the overall hardware program for both the norad computer system and the space computation center was to have returned from tdy by thursday morning . he was attending a meeting at colorado springs on the development of a new lookdown console for the program, surely an area where radc expertise could have been used. radc was not requested to attend this meeting; mitre corporation is providing the technical inputs in this area. although he was then supposed to have returned on 23aug 73, his trip was extended to the next

427m trip report

day. the program people i contacted were evasive about whether or not radc would be called upon to support the 427m spo except in the area of reliability and maintainability.

1q

i recommend that an official letter stating our position with respect to the program be forwarded to esd as soon as possible in order to determine what the real manpower requirements are for this fiscal year. my personal recommendation is for us to continue support in the r&m area (transferring lse responsibility to ir) and to be on an on call basis for only special technical problems raised during the course of the system acquisition.

1r

(Journ a)

2

19435 Distribution

427m trip report

(J19435) 3-OCT-73 13:07; Title: Author(s): Thomas F. Lawrence/TFL;
Distribution: /; Sub-Collections: RADC; Clerk: TFL;
Origin: <LAWRENCE>ELF.NLS;4, 30-AUG-73 07:42 TFL ;

Information Request

John W. Bottoms, new member of the IMLAC Interest Group, wants information of available languages (compilers) for Imlacs, especially Fortran on PDP-11/45. He would also like information on graphical editors. If you have any information to contribute on these subjects, please forward it to:

John W. Bottoms
ARPA Group
Electrical Engineering Dept.
Purdue University
West Lafayette, Indiana

19436 Distribution

John W. Bottoms, A. D. (Buz) Owen, Alan R. Hill, Kenneth E. (Ken) Victor, William E. Merrian, Elaine L. Thomas, Anthony E. Scandora, Andres G. Zellweger, J. J. Wolf, Donald C. (Smokey) Wallace, Duane L. Stone, Jeanne B. North, L. Peter Deutsch, Ira W. Cotton, W. Jack Bouknight, Steve D. Crocker, Charles H. Irby, Jaacov Meir, J. C. R. Licklider, John W. McConnell, Robert M. (Bob) Metcalfe, Edwin W. Meyer, James C. Michener, James A. Moorer, Jonathan B. Postel, Kenneth T. Pogran, Ronald M. Stoughton,

Information Request

(J19436) 3-OCT-73 13:22; Title: Author(s): Marcia Lynn Keeney/MLK;
Distribution: /IIG; Sub-Collections: SRI-ARC IIG; Clerk: MLK;

Updating CML

A new version of the CML compiler and parser was released today (03 OCT). This new version includes declarations in the CML programs and a new "parsing function" capability. The cml documentation <dornbush>cml has been updated and includes an example of a parsing function in its appendix. Note that CML programs compiled prior to 12:00 03-OCT will not run properly with the new cml compiler and parser.

1

19437 Distribution

Donald C. (Smokey) Wallace, Kenneth E. (Ken) Victor, James E. (Jim) White, Charles F. Dornbush, Elizabeth K. Michael, Diane S. Kaye, Don I. Andrews, J. D. Hopper, Charles H. Irby, Harvey G. Lehtman, Donald C. (Smokey) Wallace, Don I. Andrews, Kenneth E. (Ken) Victor,

Updating CML

(J19437) 3-OCT-73 13:56; Title: Author(s): Charles F. Dornbush/CFD
; Distribution: /NPG DCW DIA KEV ; Sub-Collections: SRI-ARC NPG;
Clerk: CFD ;

Memo to friends at UK-ICS

Dear UK-ICS friends:

1

It took me a week to recover enough energy to communicate with you.

2

Thanks for going out of your way to accommodate me and all of the special problems I inflicted upon you. As a person, I depend strongly upon some sort of subjective, person-to-person bond in order to collaborate, or indeed to communicate with much success. That sort of bond with you people now exists; hope we can do something with it.

3

I am sending individualized Journal messages to some of you; enjoy the practice.

4

Hello to Harry, too.

5

Best regards, Doug

6

19438 Distribution

Adrian V. Stokes, Stephen R. Wilbur, Hugh R G H Gamble, Alec R.
Duncan, Peter Kirstein, Sylvia Kenney,

Memo to friends at UK-ICS

(J19438) 3-OCT-73 14:14; Title: Author(s): Douglas C. Engelbart/DCE
; Distribution: /AVS SRW HRG ARD pk sk ; Sub-Collections: SRI-ARC;
Clerk: DCE ;

Peter Kirstein: Facsimile collaboration and UK information services

Peter: Two things:

1

1) You wanted to talk about collaboration on facsimile techniques, and we seemed to have been interrupted often in the process. As I understand the state of our understanding when we parted, you are going to experiment with hardware and software techniques, using ISI computer facilities. At stages where you reach firm plans and results, you would communicate with me and we would keep a joint eye open for the ways in which your results could be integrated into our Network information-support systems; we would undertake a more direct and active collaboration when appropriate.

2

I might suggest that from time to time you "publish" memoranda about your plans, interests, progress, etc. as NIC Dialogue memos, and make a point of working up some active dialogue with other parties interested in related things.

2a

To do this, you can either send us a clear typescript and we can catalogue it and distribute photocopies; or (preferably) you can work up a draft in NLS and submit the whole text -- for automatic cataloguing and distribution.

2b

2) You were going to keep working toward a specific plan about serving the UK ARPANET users as a Training and Information Center.

3

You and I agreed (I think) that doing justice to this job requires specific staff and money resources; also, continuing support from us will have to be paid for in some explicit way -- our NIC resources are currently stretched very, very thin; we are happy to give you a limited degree of support for the time being, but you and we should explicitly plan for a transition to a paying basis.

3a

We would very much appreciate being kept informed by you of relevant issues through the intervening stages of your hopes, plans, proposals, and negotiation phases. We would benefit thereby in developing workable formulation of service-charging business, and we also need to plan for any expansion of our service staff and facilities.

3b

I would like to hear from you relatively soon about your basic approach to these two items, including best guesses at dates.

4

Quite soon thereafter it would be appropriate to shift further ICS-ARC communications to be directly between your project leader(s) and Dr. Richard (Dick) Watson (Ident = RWW). Dick is one of the two Assistant Directors of ARC, and is responsible for our new-development work, our formal workshop-systems analysis, the ARPA

Peter Kirstein: Facsimile collaboration and UK information services

Network Information Center (NIC), and the special development
activities of workshop support for explicit communities.

5

The NIC itself is managed by Dr. Michael Kudlick (MDK), who reports
to Dick. Mike and his staff will certainly be interested in the
above.

6

19439 Distribution

Peter Kirstein, Richard W. Watson, James C. Norton, Michael D.
Kudlick, Bonnar Cox, David R. Brown,

DCE 3-OCT-73 14:24 19439

Peter Kirstein: Facsimile collaboration and UK information services

(J19439) 3-OCT-73 14:24; Title: Author(s): Douglas C. Engelbart/DCE
; Distribution: /pk rww jcn mdk bc drb ; Sub-Collections: SRI-ARC;
Clerk: DCE ;

Steve Wilbur: Testing from afar

Steve:

1

You had agreed to do some testing on the data-transmission performance with the Delta Data display and our Line Processor.

2

At this end we've decided that we need the Line Processor back more than we need the extra bit of test data that it could supply us. I am asking Hugh to box the thing up and send it back to us.

3

We can learn enough about transmission from tests with your 1200 baud terminals in typewriter mode. If you have time and interest for doing any such testing, communicate with Charles Irby here: Journal Ident = CHI; SNDMSG address = IRBY@SRI-ARC.

4

Regards, Doug

5

P.S. I sent a Journal message to PK; would you please see that he gets it? In general, I hope that somebody is making sure of communications into your group, both SNDMSG and Journal.

6

19441 Distribution

Stephen R. Wilbur, Charles H. Irby, Martin E. Hardy,

Steve Wilbur: Testing from afar

(J19441) 3-OCT-73 14:56; Title: Author(s): Douglas C. Engelbart/DCE
; Distribution: /SRW chi mah ; Sub-Collections: SRI-ARC; Clerk: DCE
;

UK-ICS NLS experts: Practising from afar

For ARC addressees, the main item to note is in 4b. It is lonesome so far away, and we should watch for link-helping them.

UK-ICS NLS experts: Practising from afar

Sylvia, Hugh, Adrian and Steve:

1

You were the ones who expressed interest and intent about learning NLS. This memo is to encourage your efforts in that direction (plus to give you a little practice in managing Journal correspondence).

2

I hope that you can find regular opportunity to practice with NLS; it would be quite important, I think, for a core of your ICS staff to learn it quite well if indeed you are going to be the UK users' interface to the NIC. For the time being, if you during your earlier part of the day, before 5 a.m. our time (that's before 1 p.m. your time, right?), it presents almost no problem for us. After that time, our Eastern U.S. customers start getting on, and we must generally give them priority over you.

3

I urge you to try developing some documentation, as well as practising what we covered about roaming through the reference documentation files, and outputting selected references to your good-quality line printer.

3a

If you would like some advice, help, or companionship, try linking to some of us sometime. I realize that the time difference makes for a small working-period overlap, and that you aren't going to be doing your main practising during our regular working hours -- but if you have a special need for link-talking, log in for the purpose at a time you'd expect to find us working.

4

Understand that not everyone you see logged in here is in our group, there may be other people from remote locations, too.

4a

I'm quite sure that any of the following ARC people would be happy to get acquainted that way: Engelbart, Feinler, Irby, Jernigan, Kelley, Kudlick, Lehtman, North, Norton, vanNouhuys, Victor, or White.

4b

Also, Jean Iseli, who works at MITRE, near Washington, D.C., has helped a number of people in this way -- he is very knowledgeable about the Net, and about NLS, too. His day starts three hours before ours, which helps you to "meet him," and also he seems to be logged on during much of the rest of the week (sometimes on our system, as MITRE-TIP, sometimes at USC-ISI as Iseli).

4c

Hope to be hearing from you, one way or another.

Regards, Doug

5

19442 Distribution

Sylvia Kenney, Hugh R G H Gamble, Adrian V. Stokes, Stephen R. Wilbur, Richard W. Watson, James C. Norton, Elizabeth J. (Jake) Feinler, Charles H. Irby, Mil E. Jernigan, Kirk E. Kelley, Michael D. Kudlick, Harvey G. Lehtman, Jeanne B. North, Dirk H. Van Nouhuys, Kenneth E. (Ken) Victor, James E. (Jim) White,

DCE 3-OCT-73 15:25 19442

UK-ICS NLS experts: Practising from afar

(J19442) 3-OCT-73 15:25; Title: Author(s): Douglas C. Engelbart/DCE
; Distribution: /SK HRG AVS SRW rww jcn jake chi mej kirk mdk
hgl jbn dvn kev jew ; Sub-Collections: SRI-ARC; Clerk: DCE ;

MSG TO AJR

I HAVEN'T GOTTEN ANY MAIL FROM NIC AND I WONDERED WHY

1

19443 Distribution
Al J. Rosenfeld,

MSG TO AJR

(J19443) 3-OCT-73 15:33; Title: Author(s): Al J. Rosenfeld/AJR;
Distribution: /AJR; Sub-Collections: NIC; Clerk: AJR;

Hugh Gamble: Shipping back the Line Processor

Hugh:

1

You, I guess, will be the one that wraps up and ships us our Line Processor. We would like it to get on its way as soon as possible.

2

Steve was going to make some tests with it, but I told him that satisfactory tests could be made with fast typewriter-like devices, and said we'd be asking you to ship it back.

3

Nice getting acquainted with you; I appreciated all your off-hours help.

4

Best regards, Doug.

5

19444 Distribution

Hugh R G H Gamble, Alec R. Duncan, Martin E. Hardy, Charles H. Irby,
Don I. Andrews,

Hugh Gamble: Shipping back the Line Processor

(J19444) 3-OCT-73 15:35; Title: Author(s): Douglas C. Engelbart/DCE
; Distribution: /HRG ARD meh chi dia ; Sub-Collections: SRI-ARC;
Clerk: DCE ;

Imlac Interest Group Note 1

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

NIC 19445

NIC 19445

Marcia Keeney (SRI-ARC)

Imlac Interest Group Note 1

October 9, 1973

Procedures for Distributing Imlac Interest Group Notes

The Network Information Center (NIC) provides document distribution service for the Imlac Interest Group. The NIC will reproduce dialogue among members of the group and distribute copies to all members.

Preparation

Each document should have on it a Imlac Interest Group Note number, a NIC number, the author's name and affiliation, the date, and a title. (See above.) These items are necessary for proper cataloging of the note.

To obtain NIC and Imlac Interest Group Note numbers call NIC at (415) 329-0740, or use your Enterprise number if you have one. If calling is not practical, leave room on the original so that the NIC can type in the numbers.

If you have online access and can prepare the document using NLS, put the document into a file and send a Journal message to Marcia Keeney at NIC. The file will be given a heading and printing directives as necessary, and a master made for reproduction and distribution.

Distribution

Send the original, a good copy, or a Journal message about the file, to NIC:

ARPA Network Information Center
c/o Ms. Marcia Keeney
Augmentation Research Center
Stanford Research Institute
Menlo Park, California 94025

NIC will distribute copies to all Imlac Interest Group members.

Names to be added to the distribution list should be submitted to Ken Victor (KEV) (SRI-ARC).

19445 Distribution

Station Agent, John W. Bottoms, A. D. (Buz) Owen, Alan R. Hill, Kenneth E. (Ken) Victor, William E. Merriam, Elaine L. Thomas, Anthony E. Scandora, Andres G. Zellweger, J. J. Wolf, Donald C. (Smokey) Wallace, Duane L. Stone, Jeanne B. North, L. Peter Deutsch, Ira W. Cotton, W. Jack Bouknight, Steve D. Crocker, Charles H. Irby, Jaacov Meir, J. C. R. Licklider, John W. McConnell, Robert M. (Bob) Metcalfe, Edwin W. Meyer, James C. Michener, James A. Moorer, Jonathan B. Postel, Kenneth T. Pogran, Ronald M. Stoughton,

Imlac Interest Group Note 1

(J19445) 9-OCT-73 11:48; Title: Author(s): Marcia Lynn Keeney/MLK ;
Distribution: /SA IIG ; Sub-Collections: NIC IIG; Clerk: KIRK ;

Imlac Interest Group Note 2

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

NIC 19446

1

NIC 19446
Imlac Interest Group Note 2

Ken Victor (SRI-ARC)
October 9, 1973

2

I am trying to bring up to date the membership list for the Imlac Interest Group. This is the group that can be used, via the NIC, for any Imlac related communication.

2a

I've enclosed the current membership list in the U.S. Mail (it is also available in -- NIC, IIGMEMLIST,). I would appreciate your verifying this list with regards to yourself and any associates of yours about whom you have up to date information.

2b

Please return a verified copy of the list to me by November 7. Please indicate any changes that you deem appropriate (e.g. removing yourself from this group; an ex-associate should be removed from the group; an associate should be added to the group; etc.).

2c

If I do not here from you by November 7, I will assume that you wish to be removed from the group.

2d

Thank you in advance for your cooperation.

2e

19446 Distribution

Station Agent, John W. Bottoms, A. D. (Buz) Owen, Alan R. Hill, Kenneth E. (Ken) Victor, William E. Merriam, Elaine L. Thomas, Anthony E. Scandora, Andres G. Zellweger, J. J. Wolf, Donald C. (Smokey) Wallace, Duane L. Stone, Jeanne B. North, L. Peter Deutsch, Ira W. Cotton, W. Jack Bouknight, Steve D. Crocker, Charles H. Irby, Jaacov Meir, J. C. R. Licklider, John W. McConnell, Robert M. (Bob) Metcalfe, Edwin W. Meyer, James C. Michener, James A. Moorer, Jonathan B. Postel, Kenneth T. Pogran, Ronald M. Stoughton,

Imlac Interest Group Note 2

(J19446) 9-OCT-73 11:55; Title: Author(s): Kenneth E. (Ken)
Victor/KEV ; Distribution: /SA IIG ; Sub-Collections: NIC IIG;
Clerk: KIRK ;

Results of Questionnaire on NIC Catalogs

JBN 17-OCT-73 10:51 19471

NIC 19035

JBN 19 OCT 73

Altogether, 31 replies have been received to the questionnaire on the usefulness of the NIC Catalog of Network Documents. The tally of replies is given, then specific comments, then conclusions.

TALLY OF REPLIES

3. Check level of use you make of each section of the Catalog:

Current Catalog of the NIC Collection	indis- pensable	very useful	useful	not useful	no opinion
------------------------------------------	--------------------	----------------	--------	---------------	---------------

Author Index	4	6	12	6	3
Number Index	2	8	8	9	4
Titleword Index	6	10	3	7	5
Listing (with abstracts)	5	7	13	4	2

Would you miss the abstracts if the Listing were discontinued?
Yes 18 No 7

Are RFC's almost the only items you refer to in the Catalog?
Yes: 1 No: 19

LL-67 and XEROX-PARC and Martin of UCLA-CCN account for 3 "not useful" votes for all documents. Braden accounts for 1 "no opinion" for all.

COMMENTS VOLUNTEERED BY RESPONDENTS, in order received

Schelonka (RML) Useful.

Cerf (SU-ERL) I make a point of reading through new issues of the abstracts. Often look for articles by author, less often by titleword. I could probably stand not having the abstracts if I could know what the authors and titles of new listings were. Number index might serve. I'd want online abstracts, tho. The abstract service really helps cut my reading time.

Deutsch (XEROX-PARC) I don't use it at all. Whn I need to find something, (which is 1 - 2 times a month) I use the NIC online.

McKenzie (BBN-NET) Some, but not too much. However, a lot of people use my copy of the Catalog, and I believe two or three of them ONLY look at the abstracts.

Fink (LBL) Not bad, in fact it's pretty good. A listing of Group papers, by Group, like the RFC's, would be nice.

Golding (AMES) I have calls from time to time for subjects from all over the Center and these (abstracts) have proven an easy way to assist customers. .. I feel all these (listings and indexes) should be continued until the ARPA Network is in full use and then decisions can be formulated as to which are expendable.

Padlipsky (Multics) Publication annually, on microfiche, would be enough. Dropping it would be no tragedy.

Devine (Rutgers) It would be nice if the Catalog could be kept more up to date. I realize that it's an enormous job to update the whole Catalog, so I would suggest publishing supplements every few months, and a new Catalog, say once a year. Another thing I would like to see along with the abstracts is where to get copies of the documentation. The abstracts give the information for documents which were formally published. An example which comes to mind now is the DED manual. After chasing around I found out it was available online at ISI. If there was an entry in the Catalog saying "Documentation on <Documentation>DED.INFO at ISI" not only would I have been saved some work but I wouldn't have had to bother a number of people who probably had better things to do than to tell me how to get copies of the document.

D.Crocker/L.Nelson (UCLA-NMC) More frequently updated, at least the titleword index, please.

Lundh (NDRE) Disregard me, have not had opportunity to use it yet. Expect it to be very useful when we get our terminal connected.

Results of Questionnaire on NIC Catalogs

JBN 17-OCT-73 10:51 19471

NIC 19035

JBN 19 OCT 73

Reid (UQSS) Publish in ascending sequence. Issue addenda rather than complete reprints at each revision. Provide manual title entry for non-English titles, otherwise your program will go crazy over them. The list of non-significant words in the program should be expanded in order to reduce the number of trivial entries. 14k

White (SU-HP) It seems to me that for the NIC collection to be useful at all, a Catalog of this type is a necessity. You should probably consider only furnishing one copy to each Site. 14l

McHale (FNWC) Am really not into consistent use of any of this material. I know what we have and where to find answers -- so it is all useful in that sense. 14m

O'Malley (UMICH) Is there an information retrieval system in NIC which could replace this all and could I get abstracts etc., from such a system? 14n

14o

CONCLUSIONS

15

The following are my conclusions about the desirability of various Catalog features, as expressed in the tally.

15a

1. All sections of the Catalog received sufficient votes to justify their existence. There is no obvious candidate for discontinuance.

15b

2. The Number Index has the least support, raising the possibility of offering this as an option. (I don't find this possibility to be particularly advantageous to us, because this Index is the smallest, and the saving in reproduction and mailing would be offset by the problem of record-keeping and billing).

15c

3. Opinion on the Titleword Index is sharply split, making this another candidate for option.

15d

4. Although not evident in this method of tally, the pattern of returns was indicated by the returns from those noted as negative; those who find one section of the Catalog indispensable or very useful tend to find others of some use also, so that the conclusion can be drawn that the Catalog as a whole is used or not used by an individual.

15e

19471 Distribution

Michael D. Kudlick, Richard W. Watson, Mil E. Jernigan, James E.
(Jim) White, Douglas C. Engelbart, James C. Norton,

RWW 3-OCT-73 16:36 19485

Need for Collaboration of ARPA Contractors Working in Office
Automation

Letter to John Perry at ARPA

Need for Collaboration of ARPA Contractors Working in Office Automation

ARPA, as we understand it, is sponsoring a number of contractors, including ourselves, to work in the new IPT program area of Office Automation. ARPA is also sponsoring a significant piece of the NLS Workshop Utility PDP-10 to supply prototype services to its offices and is sponsoring another PDP-10 system at USC for miscellaneous uses, some relating to Office Automation such as TECO, SNDMSG, FORUM, etc. Multicontractor sponsorship in this important area feels very appropriate.

1

The question that it raises, however, is how to coordinate the various efforts so that each group can build on the work of the other and how the resulting systems can be properly interconnected to produce a growing Workshop of coordinated mutually supporting tools, possibly distributed on various hosts around the ARPANET. Many of these tools will be reached on a stand alone basis, or, from a larger workshop framework such as NLS.

2

As you know from our recent proposal, we visualize a Knowledge Workshop evolving with many collaborators building tools reachable from an NLS based Workshop or whatever it evolves into. We visualize these tools running on the most appropriate computer in the network for their specific functions, but we see that the user interface: command language, help facilities, terminal control and feedback, etc. need to have consistency and coordination so that the user can move from tool to tool with ease and a feeling of workshop integrity. We also visualize that the tools work well together so that outputs of one can be input to another, that from within one subsystem one can exercise capabilities of another thus eliminating need for function duplication etc.

2a

Just as close collaboration was needed to develop ARPANET protocols to the benefit of all, we feel similar close collaboration will be needed in the Office Automation area if a coherent Workshop system is to evolve from the various ARPA sponsored efforts.

2b

Now that we are winding up various activities in preparation for the Utility, and beginning to plan our next development thrusts, it is important to us to know how the larger Office Automation picture is to unfold. If ARPA does not see that the tools being developed by its various contractors will work together as we are visualizing them, then this affects our planning. If they are to work together, then the various parties need to begin serious dialog on the many challenging technical and other issues involved.

3

For example, we feel that the IFF FORUM system might have been easier to build in an NLS L-10 environment rather than in a TENEX FORTRAN environment because it could have been built on the large

Need for Collaboration of ARPA Contractors Working in Office
Automation

number of NLS file, editing, and Journal primitives and would have resulted in a system easier to interface into a larger Workshop context. I point this out not because we think we should have built FORUM or its equivalent, but because of the type of issue it raises for collaboration in this area.

3a

What we would like to propose is that ARPA call a meeting of its contractors working in the Office Automation area to review with each other their plans and to discuss areas of user and system interface. Topics might include relation of various projects to each other, review of plans and status, interface protocol development, discussions of user interface principles, etc. This meeting would then be followed by ongoing dialog and further meetings as appropriate. Besides the contractors working directly in the Office Automation area there are others who are also appropriate, such as CCA or BBN whose work is vital to plans of various contractors. We definitely feel that it would be important to have such a meeting before the next ARPA contractor's meeting in January. At the very least it would be important for the various contractors to see each other's proposals to determine where they can collaborate, and avoid duplication.

4

Jim Norton will be talking with you in Washington next week about a range of other issues and hopes to have some time to discuss this one also. I look forward to your thoughts on the suggestions above. If you feel such a meeting is appropriate, then I would be glad to discuss further possible agenda items.

5

19485 Distribution

John S. Perry, Douglas C. Engelbart, James C. Norton, Charles H.
Irby, Michael D. Kudlick, Paul Rech,

Need for Collaboration of ARPA Contractors Working in Office
Automation

(J19485) 3-OCT-73 16:36; Title: Author(s): Richard W. Watson/RWW;
Distribution: /JSP DCE JCN CHI MDK PR; Sub-Collections: SRI-ARC; Clerk:
RWW;
Origin: <WATSON>PERRY.NLS;6, 3-OCT-73 16:33 RWW ;

Visit Log: Lee, Matheson, Miller, Palos, Pezier and Williams of SRI, and Howard of Stanford; possibilities explored for collaboration in management systems AKW development and application

Visitors:

Al Lee, Executive Director, Management Systems Division (450)

W. Kay Williams, Director, Management Information Systems Department (460)

Jim Matheson, Director, Decision Analysis Department (464)

Al Miller, Decision Analyst

Jacques Pezier, Decision Analyst

Oscar Palos, Director, Strategic Planning And Organization Development Department (463)

Ronald A. Howard (Consultant), Professor, Engineering Economic Systems, Stanford University

Earlier in the year, I had had contacts independently with Al Lee, Jim Matheson, and Ozzie Palos. For each there seemed to be relevance in our current trends toward knowledge-workshop utility, community support, etc. Some of them had talked with Dick Watson and Paul Rech, also. Jim Matheson arranged for this visit.

For two hours I gave them description of ARC, tour of our facilities, description of the ARPANET, of NIC, of our AKW pursuit in general. Gave them a video-projected demonstration of DNLS, including screen linking to Jim Norton at a Tasker console in the commons room. Covered Journal system, also.

Al Lee and Kay Williams left at 1200. The rest stayed on for 50 minutes more. We explored rather explicitly the possibilities for the Decision Analysis Department to use the Utility in various ways and stages. I gave a picture of other clients to try to make the Community idea seem more concrete; described how we pictured the typical organization going through the stages of assigning an architect, giving him Utility resource and having him get experience, then of his working out the stages of other trial and prototype applications.

A number of stimulating possibilities -- including their building their decision-analysis computer aids via an NLS-Workshop interface (both for their system development, and for the users).

Mentioned that, for SRI as a sample "client" organization, Cox and Brown and I were tentatively considering Tom Humphrey to

Visit Log: Lee, Matheson, Miller, Palos, Pezier and Williams of SRI, and Howard of Stanford; possibilities explored for collaboration in management systems AKW development and application

tackle the role of SRI's AKW architect (Tom and Jim Norton are currently exploring this from both Tom's and ARC's point of view); thus Humphrey might be a logical one to help work out feasible stages for Matheson's department, interfacing between them and us at least for the general application of NLS within their working domain. (We don't yet have a clear picture of what kind of interfacing would be needed for clients who build integrated workshop sub-systems.)

4b

No conclusions. Jim will contact us next.

5

19486 Distribution

James C. Norton, Richard W. Watson, Paul Rech, Bonnar Cox, David R. Brown,

DCE 3-OCT-73 16:47 19486

Visit Log: Lee, Matheson, Miller, Palos, Pezier and Williams of SRI,
and Howard of Stanford; possibilities explored for collaboration in
management systems AKW development and application

(J19486) 3-OCT-73 16:47; Title: Author(s): Douglas C. Engelbart/DCE
; Distribution: /jcn rww pr bc drb ; Sub-Collections: SRI-ARC;
Clerk: DCE ;

In regards to (19380,) by RWW.

Space means YES in the journal subsystem. I discovered the documentation was wrong when updating the userguide last spring.

1

19487 Distribution

Dirk H. Van Nouhuys, Charles F. Dornbush, James E. (Jim) White,
Charles H. Irby, Richard W. Watson,

In regards to (19380,) by RWW.

(J19487) 3-OCT-73 16:53; Title: Author(s): Kirk E. Kelley/KIRK;
Distribution: /DVN CFD JEW CHI RWW; Sub-Collections: SRI-ARC; Clerk:
KIRK;

It's a shame <ALT> still doesn't work in TNLS when specifying filenames. <↑F> works, but is not echoed so user thinks it doesn't work.

1

19488 Distribution

Bgs Bugs, Diane S. Kaye, Harvey G. Lehtman, Charles H. Irby,

(J19488) 3-OCT-73 17:01; Title: Author(s): Kirk E. Kelley/KIRK;
Distribution: /BUGS; Sub-Collections: SRI-ARC BUGS; Clerk: KIRK;

Addendum to (JJOURNAL,19424,) for NDM--The definitions we're using in HELP of the acronyms to be copied into (userguides,commands,):
globals in introductory section and locals with individual commands

We might want to make them more concise (while including the same info) for the syntax document, but these were what Dirk approved for the HELP file, and as I understood it, he thought they should be copied into the summary.

Addendum to (JJOURNAL,19424,) for NDM--The definitions we're using in
 HELP of the acronyms to be copied into (userguides,commands,):
 globals in introductory section and locals with individual commands

(toDean) DEFINITIONS of the acronyms

1

Globals to be copied into the top of the command summary
 (according to Dirk):

1a

STRUCTURE

STRUCTURE = Statement OR Branch OR Plex OR Group
 These are keywords in command syntax; STRUCTURE will be
 prompted by "K:" (keyword)

1a1

STRING

STRING = Character OR Word OR Visible OR Invisible OR Number OR
 Link OR Text
 These are keywords in command syntax; STRING will be prompted
 by "K:" (keyword)

1a2

LEVEL-ADJUST

You are allowed to specify the level you wish a STRUCTURE to
 occupy when copying, moving, or inserting it. LEVEL-ADJUST is a
 string of u's and d's, optionally preceded by inegers,
 terminated by a SPACE or CA; the difference between the number
 of u's and d's (using the integers as coeffelicients) is taken
 as a level adjustment value. The value locates the STRUCTURE so
 many levels "up" or "down" relative to the level of the
 statement addressed immediately after "to follow" (destination
 selection).

1a3

VIEWSPECS

You can change the viewspec codes in effect by using the Set
 Viewspecs command to enter new codes, by using the Reset
 Viewspecs command which sets them back to the system's original
 values, or by entering codes in an NLS command which allows it.
 Whenever prompted with "V:", as in the first and last cases,
 specify viewspecs as a string of any of the codes, terminated
 by a Command Accept.

1a4

ADDRESS[Dirk wrote this definition--I disagree with it--the one
 I propose follows]

ADDRESS is used in commands to direct the verb and noun "where"
 to operate. Every statement is numbered in order of writing
 (SIDs) and, separately, according to its position in the file
 hierarchy (statement numbers). Users may also name statements.
 Such identifiers of statements automatically refer to the first
 character. You may address other characters within a statement
 by count, by searching for specific content, or by invisible
 markers. Different such elements may be combined in a single
 ADDRESS to create a path to the final position. A CA always

Addendum to (JJOURNAL,19424,) for NDM--The definitions we're using in HELP of the acronyms to be copied into (userguides,commands,):
globals in introductory section and locals with individual commands

ends an ADDRESS. "A:" will prompt you when an address is expected.

1a5

(Jeanne's)

ADDRESS = DAE CA

For group or text:

ADDRESS = DAE CA (through A:) DAE CA

ADDRESS will be prompted by "A:"

1a6

TYPEIN

TYPEIN = any string of characters from the keyboard, terminated by a CA (Command Accept)

TYPEIN will be prompted by "I:"

1a7

IDENT

NLS knows you by your ident, a string of 2-5 characters recorded with your address in a master file. It is often your initials and the same as your TENEX password, but they are keys to different systems. At many sites several people share a username by having different idents. Wherever NLS prompts you "I:", it expects an ident followed by a Command Accept. Idents designate journal authorship and distribution. If you have no ident, you may use ARCG. If you want an ident, call the Network Information Center.

1a8

OPTION

OPTION = <control-u> (This is a control character, typed by holding down the control key while striking the u key)

1a9

CONFIRM

Most commands must be terminated by one of three confirmation functions: CA (Command Accept) or REPEAT or INSERT. The system will prompt you with "C:" when one of these CONFIRM functions is expected.

1) A Command Accept (CA) character (the character <control-d>, or as a default re-settable character, <CR>) will carry out the command and reset ready for the next command.

2) A REPEAT character <fb> will execute the command and repeat the same command, in some cases defaulting one or more operands, until you type a Command Delete <fx>.

3) An INSERT character <fe> will execute the command and start an Insert Statement after the edited statement.

A Command Delete (CD) character <fx> will abort the command at any point during the command specification.

1a10

Locals which will merely be copied into the appropriate commands; but they are defined thusly in CONCEPTS branch:

1b

Addendum to (JJOURNAL,19424,) for NDM--The definitions we're using in
 HELP of the acronyms to be copied into (userguides,commands,):
 globals in introductory section and locals with individual commands

SOURCE

SOURCE = ADDRESS OR OPTION TYPEIN

Source will ordinarily be prompted by "A:"

1b1

CONTENT

CONTENT = TYPEIN OR OPTION ADDRESS

CONTENT will ordinarily be prompted by "T:"

1b2

IDENTLIST

A list of one or more IDENTs seperated by a space. CA
 terminates a list.

1b3

CA (Command Accept)

1b4

A Command Accept (CA) character (the character <control-d>, or
 as a default re-settable character, <CR>) will carry out the
 command and reset ready for the next command.

1b5

FILENAME

I propose that we use FILENAME as a local acronym in the
 commands instead of CONTENT, because it is a special kind of
 content which needs more to be explained about it--like the
 following definition written by KIRK--it's not just ANY CONTENT
 and we want the user to know these things:

1b6

(FILENAME) Wherever FILENAME appears in the command syntax,
 it will be prompted by "F:" and calls for TYPEIN or
 optionally an ADDRESS of a filename. It may include stars
 or Alt Mode (ALT).

1b6a

(According to Dirk, this question is still negotiable)

1b7

JMB 3-OCT-73 17:28 19489

Addendum to (JJOURNAL,19424,) for NDM--The definitions we're using in
HELP of the acronyms to be copied into (userguides,commands,):
globals in introductory section and locals with individual commands

(J19489) 3-OCT-73 17:28; Title: Author(s): Jeanne M. Beck/JMB;
Distribution: /NDM; Sub-Collections: SRI-ARC; Clerk: JMB;

Iseli: Note that I volunteered you (19442,), and that new TENEX linking possibilities are under consideration (19324,)

Jean: I am trying to encourage the group managing the London TIP to practise using the NIC and NLS to capitalize upon the headway made when I struggled to handle a three-day class there by myself. I sent them a short memo for this purpose (19442,), and suggested that they do a little link-talking with some of us to answer questions, become acquainted, etc. I listed the ARC people who are appropriate; then I impulsively mentioned you (19442, 4c). Figured that the least I could do was to notify you after I sent their message.

1

DCE 3-OCT-73 15:25 19442

UK-ICS NLS experts: Practising from afar
Location: (KJOURNAL, 19442, 1:w)

1a

You might be interested in the current activity of Ken Victor, here at ARC, toward improving the TENEX LINK facility.

2

This sprung up rather spontaneously, without any impetus from me, but perhaps stimulated somewhat by all of the link-talking that Ken and Charles Irby had to do with me during checkout of the IMLAC and of our Line Processor at London -- really some irritating limitations. Ken got involved once during that period, with Mil and me, in trying Calvin's program, the one that you and Mil introduced me to; and some of its features seemed to please him (as they did me).

2a

I think that he has made more headway since then, but in (19324,) he describes some of his notions.

2b

I want to thank you again for spending so much time with/for me on the England-demo flap last month. I appreciated it tremendously. Would like to have a face-to-face visit with you sometime; any plans for journeying this way? If so, please come by.

3

Best Regards, Doug

4

19490 Distribution

Jean Iseli, Kenneth E. (Ken) Victor, Charles H. Irby, Mil E.
Jernigan,

DCE 3-OCT-73 18:36 19490

Iseli: Note that I volunteered you (19442,), and that new TENEX
linking possibilities are under consideration (19324,)

(J19490) 3-OCT-73 18:36; Title: Author(s): Douglas C. Engelbart/DCE
; Distribution: /ji kev chi mej ; Sub-Collections: SRI-ARC; Clerk:
DCE ;

Jim: Thank you for the RUNOFF documentation. I will begin work on an Input Sequential Runoff file program and let you know what I come up with. If, in the interim, you hear of RUNOFF files that we might test this thing on, please keep them in mind. Thanks. Dean

1

19492 Distribution
James E. (Jim) White,

(J19492) 3-OCT-73 19:28; Title: Author(s): N. Dean Meyer/NDM;
Distribution: /JEW; Sub-Collections: SRI-ARC; Clerk: NDM;

Some software features for Query and the HELP subsystem.

Some features available in the general Query system:

Commands

Show

< (return)

Complex PATTERNS

List Database

Use Database

Introductory command.

Find Complex PATTERNS

Quit

Top

Up

Entry point

Types of statements available in substructure.

1. Menued Nodes (default)

Both named and unnamed. Executable links would be invisible.

2. Comment Nodes visible to the user but not menued.

Preceeded by "close bracket"]. No executable links.

3. Invisible nodes for the database maintainer.

Preceeded by percent sign.

Resource notebook could updated to this form by doing a content analyser for unnamed statements and "addtext"] to the beginning of each one.

Qspecs available.

C Columnate the next menu

I INCLUDE the node and substructure of the addressed node

S INCLUDE only the substructure of the addressed node.

D Do not include the linked node as menu item.

N=digit Override the system default for max menu items and use this value. Will ask "More?" if there are more.

Defaults:

N=7 Will ask "More?" if there are more than 7.

Some software features for Query and the HELP subsystem.

Every link delimited by ## will be menued regardless of position.

1c2b

When processing a link, INCLUDE the node but do not INCLUDE substructure of addressed item.

1c2c

View of addressed node.

1d

All lines, independent of line clipping in viewspecs.
Executable links invisible.

1d1

View of substructure.

1e

Default one line, one level, but dependent on viewspecs in optional link at the end of top node. More than one level is allowed with sequential menu numbers for each menu item regardless of structural level. (e.g.:

1e1

1. STRING
 2. Character
 3. Word
 4. Visible
 5. Invisible
 6. Link
 7. Statement
8. STRUCTURE
 9. Statement
 - 10 Branch
 - 11 Group
 - 12 Plex

1e1a

Viewspecs in a link to a node take precedence over any viewspecs in the executable link at the end of that node.

1e2

Proper subset of Query features for Help (Where different from preceeding branch)

2

Commands

2a

Introductory command.

2a1

Show

2a2

PATTERN

< (return)

Default viewspecs reset for each Show: Cteb

Names on, one line, one level more.

2a2a

Quit

2a3

Some software features for Query and the HELP subsystem.

Possible commands

2a4

Top

Entry point

2a4a

Executable links

2b

Must be located at the end of a statement and delimited by anglebrackets. (Double pound signs still necessary for future expansion.)

2b1

Qspec possibility.

2c

A queryspec in (square brackets) specifies the number to start the substructure menu (e.g.: [m=5]). Links interspersed in the text of a node will not be searched unless the user specifies a number that is smaller than the first one in the menued substructure.

2c1

This would allow placing multiple links in statements preceeded by an editor supplied number, but not slowing the system down to search for them and make them disappear. Would not look bad for links that are just names and contain no viewspecs.

2c2

Tests to be run.

3

Speed of searching for a link interspersed in the text

3a

Speed of searching for link only at the end of text

3b

Speed of not searching for a link at all

3c

4

19493 Distribution

Richard W. Watson, Elizabeth J. (Jake) Feinler, Harvey G. Lehtman,
Kirk E. Kelley, Laura E. Gould, N. Dean Meyer, Jeanne M. Beck,
Charles F. Dornbush, Dirk H. Van Nouhuys, Michael D. Kudlick, Diane
S. Kaye, James C. Norton,

Some software features for Query and the HELP subsystem.

(J19493) 3-OCT-73 19:46; Title: Author(s): Harvey G. Lehtman, Kirk
E. Kelley/HGL KIRK; Distribution: /DIRT; Sub-Collections: SRI-ARC DIRT;
Clerk: KIRK;
Origin: <KELLEY>SOFTWARE.NLS;9, 3-OCT-73 19:41 KIRK ;

Please Pick Up Output Procesor Concepts

I a rare continuing show of augmented awkwardness (AARC) I have destroyed in a partial copy fuckup my work on the conepts of the output procesor. That being the case, let me had tham back to you. That is, could you write conepts for not only the user programs, as we discussed, but for what now appears as the branch headed (meyer,helpconcepts,0311)?
thanks

1

19494 Distribution

N. Dean Meyer, Jeanne M. Beck, Kirk E. Kelley,

Please Pick Up Output Procesor Concepts

(J19494) 3-OCT-73 20:42; Title: Author(s): Dirk H. Van Nouhuys/DVN;
Distribution: /NDM JMB(fyi) KIRK(fyi); Sub-Collections: DIRT SRI-ARC;
Clerk: DVN;

You Are a Member of TU

After reading Doug's item (kjournal,19442,) I have taken the liberty of adding you to ARC's distribution group called TNLS Users (ident = TU). From time to time we send out information to this list which includes active network users and people at ARC especially interested in the state of TNLS.

1

Good luck

1a

19495 Distribution

Sylvia Kenney, Hugh R G H Gamble, Adrian V. Stokes, Stephen R.
Wilbur, Douglas C. Engelbart,

You Are a Member of TU

(J19495) 3-OCT-73 21:33; Title: Author(s): Dirk H. Van Nouhuys/DVN;
Distribution: /SK HRG AVS SRW DCE(fyi); Sub-Collections: SRI-ARC NIC;
Clerk: DVN;

Survey History Display

Got your message about Survey History. Agree about date time, order everything. However we will not change the format. The command is historic and uses a database in which no date, time is recorded except for first and last test. We are sending all the data to DATACOMPUTER complete with date, time, host number, status, and response time every 20 min. We have programs in muddle to retrieve and display the data in a dazzling array of FORMATS (rfc on it will come out soon) including all kinds of graphs, daily averages, profiles, time-of-day plots, etc., etc. Perhaps if I get around to it I will also implement some new commands in CALICO to do what you asked (ie see profile for last 24 hours, today, last week, average day etc. -- but we already have this in MUDDLE in both console graphics, and printer graphics ie putting Xs. Also you can get a simple printout including status and response time for each probe). Thanks for your suggestion, I do appreciate and welcome comments.

19502 Distribution
Jonathan B. Postel,

Survey History Display

(J19502) 4-OCT-73 07:01; Title: Author(s): Abhay K. Bhushan/AKB;
Distribution: /JBP; Sub-Collections: NIC; Clerk: AKB;

DLS 4-OCT-73 07:20 19503

Reply to (19265,).Forms generator status

● Sorry to have taken so long to get back to you

Reply to (19265,).Forms generator status

I took a look at (mjournal,18468,), but couldn't really understand from that what the impact of the query language would have on the forms generator..Thats OK, I'll leave it in Elizabeth's hands. We have 2 TYCOM units and a couple of 2741's which we may have to use until we can find abetter replacement, so son't hold off until we get a terminal specifically for printing forms...Thanks for getting Dean to write us a journal printing routine. I've run it a couple of times and it seems to work OK...He tells me that it will be a lot easire once the new system comes up to do things like remote printing...Mean while we will use Deans program to see what the benefit might be of printing out journal items daily and delivering them to the users.

1

19503 Distribution
Dirk H. Van Nouhuys,

Reply to (19265,).Forms generator status

(J19503) 4-OCT-73 07:20; Title: Author(s): Duane L. Stone/DLS;
Distribution: /DVN; Sub-Collections: RADG; Clerk: DLS;

Re Printing Directives for NIC Directories (19432,)

Alex --

Congratulations on your ingenuity in using directives to make a printable version of the Brief Directory, and thanks for the instructions.

The directives you found are presumably from the new Output Processor User's Guide, which I am sending to you.

Jeanne

1

19504 Distribution

Alex A. McKenzie, Kirk E. Kelley, N. Dean Meyer, Michael D. Kudlick,

Re Printing Directives for NIC Directories (19432,)

(J19504) 4-OCT-73 08:14; Title: Author(s): Jeanne B. North/JBN;
Distribution: /AAM KIRK NDM MDK; Sub-Collections: NIC IC ; Clerk: JBN;

Request for Novel Reprint

Augmentation Research Center
Stanford Research Institute
Menlo Park, California 94025

Sheldon Klein
COMPUTER SCIENCES DEPARTMENT
The University of Wisconsin
1210 West Dayton Street
Madison, Wisconsin 53706

Dear Dr. Klein:

A friend lent me copy of your report Automatic Novel Writing
.

1

I am a novelist, but, what is more to the point, with Mike Plesset at JPL I have worked off and on for several years on computer generation of cutpus.

2

Our (quite simple) programs break up text according to some criterion and/or at random and reassemble it similarly for literary ends.

2a

In a way we are doing exactly opposite things; while you are building things up from the depths were are tearing them appart from the top. The results sometimes rather resemble one another.

2b

At times we have considered using some sort of parsing system to mediate our printout, but have never done so partly because of the work involved and partly because the existing systems are so limited. But yours is more promising, and it happens we've worked on an 1108.

3

In any event I would be glad if you could send me a copy of my own and if possible one to Mike and to a poet who has worked with us, Anne Severson.

4

Mike Plesset
Jet Propulsion Laboratory
4800 Oak Grove Drive
Pasadena, California 91103

5

Request for Novel Reprint

Anne Severson
Foster's Cottage
Brill-near-Aylesbury
Buckinghamshire, England

6

Sincerely,

Dirk H. van Nouhuys
Augmentation Research Center

19505 Distribution
Michael R. Plesset,

Request for Novel Reprint

(J19505) 4-OCT-73 08:29; Title: Author(s): Dirk H. Van Nouhuys/DVN;
Distribution: /MRP(for yor information); Sub-Collections: SRI-ARC;
Clerk: DVN;
Origin: <VANNOUHUYS>MURDER.NLS;1, 3-OCT-73 21:57 DVN ;

Further on Online Versions of NIC Directories

Alex -- In order to try for the tty and op version of the Brief Directory which you want and to retain the phone numbers, I plan to try the following when the load average is low tonight.

1

Substitute Text in Plex

SP for <Face=2>

SP for <Face=5>

/ SP for / SP SP SP SP SP SP SP SP SP SP

CR SP SP SP SP (for SP SP SP SP SP SP SP SP SP)

2

Also Jim Norton was looking over my shoulder and has asked me to document once again the unsatisfactory status of the documentation which we present for online use. Making the online version simple to look at and to print never has the task attraction that fancy output capabilities, for COM for instance, has, and is too low on list of priorities to have been accomplished..

3

Jeanne

4

19506 Distribution

Alex A. McKenzie, Michael D. Kudlick, Richard W. Watson, James C.
Norton, Kirk E. Kelley, N. Dean Meyer,

Further on Online Versions of NIC Directories

(J19506) 4-OCT-73 09:37; Title: Author(s): Jeanne B. North/JBN;
Distribution: /AAM MDK RWW JCN KIRK NDM; Sub-Collections: NIC ; Clerk:
JBN;
Origin: <NIC-WORK>BRINDFORMEXP.NLS;1, 4-OCT-73 08:46 JBN ;

Dear Dr. Newell,

Pursuant to our recent telephone conversation, this is a reminder that the deadline for the CMU ARPANET Newsletter article is 25 October 1973. You may forward it to me through the journal system at the NIC to JI, or if preferable to you, to ISELI@ISI. Should we receive it prior to the deadline, it will be our pleasure to include it in the on-line update prior to inclusion in the November issue.

Thank you again for your kind consideration.

Best regards, Jean

1

19507 Distribution

Allen Newell, Jeanne B. North, Mil E. Jernigan, Susan S. Poh,

(J19507) 4-OCT-73 09:58; Title: Author(s): Jean Iseli/JI;
Distribution: /AN JBN(fyi) MEJ(fyi) SSP(fyi); Sub-Collections: NIC;
Clerk: JI;

<space> in Journal

Kirk, <space> means no in the Journal

1

19508 Distribution
Kirk E. Kelley,

<space> in Journal

(J19508) 4-OCT-73 11:29; Title: Author(s): Richard W. Watson/RWW;
Distribution: /KIRK; Sub-Collections: SRI-ARC; Clerk: RWW;

tickler for month of september

(sm2) 3 September

1

(st2) 4 September

2

1630 hrs. Officers Call - Club - All Officers must attend

2a

(sw2) 5 September

3

Briefing on System 2000 in Conference Room 1 - AFSC wants IS to evaluate this system as a potential candidate for a DMS selection 0930 hrs.

3a

0830 hrs. Branch Chief's Meeting

3b

Due Date ISIS - ISIM Proj Eng Bimonthly Review of Contract Completion - Stat Runs

3c

Laboratory Activity Reports are due tomorrow.

3d

(sth2) 6 September

4

ISC Confessions 0830 hrs.

4a

Ray Liuzzi - Report for Tech Review is due Contract F30602-72-C-0491

4b

Laboratory Activity Reports due today: Bucciero must have them by 1000, ISM must have them by 1100, and DOT must have them by 1600.

4c

(sf2) 7 September

5

The personnel listed below have been identified to provide technical support of the WWMCCS community on an "as required" basis to that extent it is necessary that DD Form 398 and AF Form 309, already distributed, must be completed by each individual no later than 7 sep 73 and returned to ISIM/Capt Daughtry for further processing. This action is necessary since data processing facilities and work areas at WWMCCS user sites are to be designated as Top Secret areas:

5a

Richard Nelson
Richard Robinson
David Trad
Ray Liuzzi
Robert Walker
Clem Falzarano
Don Mark
Bill Rzepka

tickler for month of september

John McLean
Don VanAlstine
Lt Wingfield
Frank LaMonica
Sam DiNitto
Tom Lawrence

5a1

(sm3) 10 September Monday

6

Becky will most likely be out all week but will let you know when she will be coming in. If any problems as far as typing is concerned, see T. Bucciero.

6a

0830 hrs. Branch Chief's Meeting

6b

The following people will be on TDY as of this date: Nelson, DiNitto, McNamara, Panara, LaForge, Lombardo, and McLean

6c

C. Marcoccia - 8 annual

6d

(st3) 11 September Tuesday

7

C. Marcoccia - 8 annual

7a

Sgt. Johnson's Duedate!!

7b

(sw3) 12 September Wednesday

8

This PM is for you all to play golf - Just reminding you!

8a

0830 hrs. Branch Chief's Meeting

8b

C. Marcoccia - 8 annual

8c

Ann Cafarelli is to report to work today!!

8d

Laboratory Activity Reports are due tomorrow.

8e

(sth3) 13 September Thursday

9

ISF Confessions - 0830 hrs.

9a

Laboratory Activity Reports due today: Bucciero must have them by 1000, ISM must have them by 1100, and DOT must have them by 1600.

9b

C. Marcoccia - 8 Annual

9c

WWMCCS/GCOS System Software Training Meeting - Conference Room 1a at 1400 hrs. - Purpose - To discuss training and Honeywell Course

tickler for month of september

630. Attn: J. McLean, D. Mark, M. Wingfield, R. Calicchia, J. Cavano, R. Liuzzi

9d

(sf3) 14 September Friday

10

Margaret Colasanti is to get some type of passes for ISI personnel (3) for Today in event anyone has to leave building!!

10a

Buckskin Rider

10b

Timecards are due today.

10c

C. Marcoccia - 8 Annual

10d

Remind tom B. to return RADC/LMCA Subcustodian Training Questionnaire!

10e

(sm4) 17 September - Monday

11

ColThayer TDY to CA at 1330 hrs.

11a

0830 hrs. Branch Chief's Meeting

11b

There will be an Inspection sometime this month - This info is for Supervisors only - Review and Update 971 Cards and all other personnel records.

11c

Demonstration on Holographic Binary Data Storage - 1030 hrs. Bldg. 240 - Conference Room A - For further info, contact Capt Mincieli, IRDE - X2035

11d

Due Date for D. VanAlstine - Reply by 1st Ind - Contract F30602-73-C-0024 - Auerbach Corp.

11e

(sth) 18 September - Tuesday

12

Col Thayer TDY to CA

12a

Confessions are this Thursday. Topic write-ups must be collected tomorrow.

12b

(sw4) 19 September - Wednesday

13

0830 hrs. Branch Chief's Meeting

13a

Laboratory Activity Reports are due tomorrow.

13b

collect topic write-ups today by noon for confessions.

13c

tickler for month of september

(sth4) 20 September - Thursday

14

R&T Selection of the Month DUE!

14a

Note for Bobbie - Remind Nelson & Di Nitto they owe trip reports for their Omaha NB trip and Nelson owes trip report for Brooklyn!!! Don't let them get away with it!!

14b

Laboratory Activity Reports due today: Bucciero must have them by 1000, ISM must have them by 1100, and DOT must have them by 1600.

14c

Confessions today!!

14d

ISIS & ISIM Due Date - Projected Training Requirements for Air Training Command and Air Force Institute of Technology Funded Courses for FY-75.

14e

(sf4) 21 September - Friday

15

Due Date for Iuorno - ASM 557 Systems Integration - Complete Section I, Item 4 of AF 1152 - R. Calicchia

15a

(sm5) 24 September - Monday

16

0830 hrs. Branch Chief's Meeting

16a

Remind DiNitto - Form 77 Change A for PRB-4-3230 - Need signature. Completed

16b

Remind Nelson & DiNitto need trip report for Omaha NB trip.

16c

(st5) 25 September - Tuesday

17

Due Date - Wingfield - Technical Evaluation - PR B - 4 - 3219 - AHI Line Printer - Completed

17a

Combined Federal Campaign Film - Auditorium - Bldg. 106 - 1400 - 1430 hrs. Remind Tom B.

17b

(sw5) 26 September - Wednesday

18

0830 hrs. Branch Chief's Meeting

18a

Laboratory Activity Reports are due tomorrow.

18b

Due Date - ISIM/ISIS Project Eng Bimonthly Review of Tech Completions. Completed.

18c

tickler for month of september

Unsol Prop DO 44-74, "Program Verification and Writing Techniques"
- Stanford Research Institute - Due Date - ISIS/DiNitto

18d

(sth5) 27 September - Thursday

19

Officers' Commander's Call - 0900 hrs. - Auditorium - Bldg. 106

19a

Laboratory Activity Reports due today: Bucciero must have them by 1000, ISM must have them by 1100, and DOT must have them by 1600.

19b

Wine and Cheese Party (PM) for Mr. Bethke - Everyone invited -
Costs you a \$1.00!!!

19c

(sf5) 28 September - Friday

20

Timecards due today.

20a

form 2's (employee time expenditures) are due today.

20b

form 6's (projected manpower) are due today.

20c

Due Date - ISIS/Robinson Evaluation & Ranking of Invention
Disclosure 72-199, TRW Inc. Contr. FO4701-71C-0070. Completed.

20d

19509 Distribution
Joe P. Cavano,

tickler for month of september

(J19509) 4-OCT-73 11:54; Title: Author(s): Frank J. Tomaini/FJT;
Distribution: /JPC; Sub-Collections: RADC; Clerk: FJT;

Analysis Needs your Help!

A study of command frequency is needed and we would like to ask all DNLS users to assist us in gathering information.

1

Upon completion of a DNLS session, the NLS command G(oto) U(se Measurements) F(requency Count) S(ave) will produce two versions of a file QBVMXYZ.LAN in your directory (where XYZ is your ident). An output quickprint of this file will produce tables showing the command frequency and can be left in my In-Box.

2

The purpose of this study is not to "check up" on anyone. It is simply to take a look at which commands get a high frequency of use.

3

We would like to conduct the sampling next week, and another message will be sent to let you know when the test is ending.

4

19510 Distribution

Donald C. (Smokey) Wallace, Richard W. Watson, Don I. Andrews,
A. Jim Blum, A. Analysis, Meredith (Reddy) E. Dively, Jeanne M.
Leavitt, Rodney A. Bondurant, Jeanne M. Beck, Mark Alexander Beach,
Judy D. Cooke, Marcia Lynn Keeney, Carol B. Guilbault, Susan R. Lee,
Elizabeth K. Michael, Charles F. Dornbush, Elizabeth J. (Jake)
Feinler, Kirk E. Kelley, N. Dean Meyer, James E. (Jim) White, Diane
S. Kaye, Paul Rech, Michael D. Kudlick, Ferg R. Ferguson, Douglas C.
Engelbart, Beauregard A. Hardeman, Martin E. Hardy, J. D. Hopper,
Charles H. Irby, Mil E. Jernigan, Harvey G. Lehtman, Jeanne B. North,
James C. Norton, Jeffrey C. Peters, Jake Ratliff, Edwin K. Van De
Riet, Dirk H. Van Nouhuys, Kenneth E. (Ken) Victor

Analysis Needs your Help!

(J19510) 4-OCT-73 12:43; Title: Author(s): Susan R. Lee/SRL;
Distribution: /SRI-ARC; Sub-Collections: SRI-ARC; Clerk: SRL;
Origin: <LEE>COFREQ.NLS;3, 4-OCT-73 12:26 SRL ;