New NLS interface to users.

I just read (irby,comlang) at Dirk's suggestion (for other reasons)
and wanted to offer some (unsolicited) comments:

1. Strong vote in favor of from-to reordering of move/copy/etc.
commands.

2. Same feeling about FORMAT command. I would really like to see this
become a general command which allowed things up to and including
automatic FTP to a remote printer or file.

3.[Side question -- What is Browse mode?]

4. I understand chi answered csk's query about Goto/Execute; but I
still do not see the need to distinguish, from the user's end.

5. FILENAME as in Load File cmd, should allow Link, if possible, so
the user does not have to juggle syntax.

6. It would aloso be nice to have the TENEX <esc> feaute for name
complettion, tho I could see that as much hairier for NLS than for
TENEX.

7. A user should be able to automatically enter the Date while typing
in Text (eat up another control character?).

8. I like the direction of the changes. Two hoots and a holler for
predictablity in user interfaces. tnx.

--Dave   1

Journal Secondary Distribution

When I execute Journal and Distribute document, I am prompted for doc
number, then for the ident list; there is a long pause and then I am
prompted for another document number. The only way I seem to be able
to break the cycle is to ↑x out. This isn't supposed to be a feature
is it?   1

16961 Distribution   1
    Diane S. Kaye, Harvey G. Lehtman, Charles H. Irby,   1a

First Try at Graphics with COM

Stanford Research Institute
Augmentation Research Center
333 Ravenswood Avenue
Menlo Park, California   94025

Bill Phillips
DDSI
11161 West Pico Blvd
Los Angeles, CA   90064

Dear Mr. Phillips:

On Tuesday morning you will receive for printing a file named
(DVN)SPQRCOM.   This file is our first attempt to integrate
graphics into one of our own jobs.   The job is a sample part
of our final report.   I enclose a reference copy.   1

As we arranged, the caption of each figure contains a
non-printing directive of the form "PhotoN=n" where n is the
number of a photo on other graphic.   I enclose the numbered
glossy prints, or, in one case a duplicate page containing
the original.   2

Please note that the photographs of characters on a video
screen should appear in the final print as black characters
on a white field.   Please note also that I have allowed more
space for certain pictures in the file I'm sending you than
in the reference printed version.   In every case I would like
the picture width to extend to the margin.   3

                         Sincerely,

                         Dirk van Nouhuys
                         Augmentation Research Center

ll

16962 Distribution   1
    Richard W. Watson, Elizabeth J. (Jake) Feinler, Walt Bass, N. Dean
    Meyer, James C. Norton,   1a

Journal and Insert

I just received some Journal Mail and when I tried to do an insert
statement (I did not at the time know I had received the mail) I
received the message "File Locking Conflict -- Please Reload File").

Is this normal????

Also, when I am not going to be allowed to alter a file, I would like
to be told that before I type a lot of text.

--Dave   1

16977 Distribution   1
    Diane S. Kaye, Harvey G. Lehtman, Charles H. Irby,   1a

John ... Finally we made it. There is a directory for you:
    directory name = <AFDSC>
    passwd = HRP
    size = 100 pgs.
With regard to the manuals, we don't charge (no mechanism to do so),
but do restrict the number of copies because of the volume.
Therefore must send you only one set. ' We have your US mail address
as:
    John E. Kohl
    USAF AFDSC/SFP
    The Pentagon
    Washington, D.C. 20330
Do you wish to amend this?
P.S. Thanks for your patience re the directory. ... Mike   1

16978 Distribution
John E. Kohl,

1
1a

1

Qucik Help Leanring TNLS

This responds to <journal,16959,>

Qucik Help Leanring TNLS

The best help for startng someone out is the new primer MFA has
written. It currently resides in near final form in (auerbach,p3,).It
does not go very far.   1

Do you have a set of the reduced versions of the important fip
charts?...a few are obsolete. I assume you have the cue card.   2

The good old editing exercise book ,Ked, <journal,11311,> is somethat
out of date. It does not contain the new prompts. Xparcop,xview, and
xprint<nic,locator,2j4:xeb> are OK for what they cover.   3

One or another of us might be in L.A. in the next month in connection
with our printing COM which takes place there, and could stop in fr
say an afternoon. I will lt you know if that happens.   4

I can't think of anything else right now.   5

DDSI Will Accept Work from other Sites and Bill Them Separately

A recent letter from DDSI, journalized as <journal,16194,>, declares
that they will accept tapes for printing from other network sites
that are presened via our system if they include a billing address,
and that they will themselves bill those sites separately.   1

16980 Distribution   1
    Douglas C. Engelbart, Richard W. Watson, James C. Norton, Jeanne B.
    North, Michael D. Kudlick, Walt Bass, N. Dean Meyer, James E. (Jim)
    White,   1a

distribute document exit

distribute document does not have a smooth way of quiting. is this
due to an error or by design?   1

more

Dirk -- Thanks for quick reply. We can use the auerbach (she's really
gone? Too bad.) might be good to distribute beforehand for
preliminary view. We have the reduced charts. Let me know which ones
are obsolete (for other than feedback changes. I don't think the
prompt changes offer too much confusion, so that documentation
without it is probably still usefull. Will probably print copies of
exercise files.

Anytime after 15 th of month is ok as of now. That might be nice, say
for the last day (I guess I should plan two days).

Are you (planning to) using the net for communicating text with the
COM printers? Might be fun. Get turnaround down to a day (hah)   1

Execute Show Control Marker

If this worked right, it would be extrememly helpful during tnls editting.

Execute Show Control Marker

I have set Execute Show control Marker On and just did an Insert
word. Input text was ;of; entered after word ending ;ion;. Feedback
after the insert cmd was ...ion or REF.

I then did a '/ and feedback was ...ion of or.....

Execute Show Control Marker seems to execute prematurely.   1

17001 Distribution

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

Literal address error

When entering '(as a literal portion to an address, I get ;(?;
back. In other words '' and '(taken in combination seem to be
unacceptible.

Why???   1

address specification

I thought the second address of a text group specification acted
relative to the first. first address 2'. followed by '; did not give
me the second directive; it said illegal entity.   1

Review of 16926 : Proposed Spec for Network Journal Submissionand
Delivery

Jim, Dave, Diane, and Dick,
I have reviewed your proposed changes for Journal submission and
delivery via the Net and think you should proceed with implementation
as soon as possible. -- Charles.   1

17004 Distribution   1
    James E. (Jim) White, Diane S. Kaye, J. D. Hopper, Richard W. Watson,
                                                                                                                      1a

From-To all the way.

I really like the from to jazz in the experimental system. It takes
a little getting used to for me, but anyone who is comming in fresh
will surely catch on faster with this system than the to-from system.
You get my vote. Only one thing, you forgot to change the Replace
command and the insert command (would allow bugging what is to be
inserted). I hope this is unintentional.   1

17005 Distribution   1
    Diane S. Kaye, Harvey G. Lehtman, Charles H. Irby, Charles F.
    Dornbush,   1a

Project Leaders' Training Course--Memos by Fred Kamphoefner,
SRI-ISE--3/73

MEMO From Fred Kamphoefner to Engineering Sciences Laboratory
Project Leaders and Group Managers.   1

    TO: Engineering Sciences Laboratory   DATE: 3/26/73
               Project Leaders and Group Managers   1a

    FROM: Fred Kamphoefner   1b

    SUBJECT: Project Leaders' Training Course   1c

    The Institute is planning to run an experimental Project
    Leaders' training course.   1d

    Present plans, which are still flexible, are to make this a
    one-day intensive session. This would be preceded by assigned
    reading of the "Project Leaders's Guide," so that the day
    spent in the course can fill in areas not adequately covered
    by the Guide, and permit a better discussion than would be
    possible without the reading assignment.   1e

    Until final plans are made for this workshop, I want to remind
    those that are not Project Leaders, or may inherit this
    assignment in the near future, that the attached summary
    "Responsibilities of the Project Leader" which we have used
    for a number of years, summarizes the primary functions
    expected of you, and the "Project Leaders' Guide" serves as an
    effective reference manual for giving further information on
    most of these topics.   1f

    No decision has been made as to who would take the one-day
    course, but presumably emphasis will be on new Project
    Leaders. Even old hands, however, may like to see how other
    Divisions run their projects, and I trust that eventually
    everyone who is interested will be able to attend the course.   1g

    FJK:lob   1h

    cc: B. Cox, R. Wing, J. Hillhouse, E. Jones, K. Kryter, D.
    Brown, D. Engelbart, B. Raphael.   1i

MEMO from Fred Kamphoefner to Professionals and Group Managers,
Engineering Sciences Laboratory   2

   TO: Professionals and Group Managers,   DATE: 3/22/73
              Engineering Sciences Laboratory   2a

   FROM: Fred Kamphoefner   2b

   SUBJECT: Responsibilities of the Project Leaders (Revised)   2c

   The Project Leader is directly responsible for the technical
   quality of his project and this should be his prime concern.
   Achieving high quality within an allotted time, fixed budget,
   and the foibles of human project personnel, however, requires
   careful planning, discipline, and leadership.   2d

   Central Staff publishes a volume titled "Project Leaders
   Guide" that gives detailed information about proposal
   preparation, negotiations, project administration, and records
   and support functions, such as purchasing. Copies are
   available through your Group Manager or Group Secretary.
   Because of its size you will find this document primarily
   useful as a reference, but you should at least glance through
   it so that you will know its contents. It is well done, and
   is invaluable to a new Project Leader.   2e

   The purpose of the present memo is to summarize a number of
   project administrative duties that experience has shown to be
   important. Unless specifically agreed upon with your project
   Supervisor, each Project Leader is requested to maintain
   project control by doing the following: 2f

      1. PROJECT FILE--   2f1

         Check with your secretary and see that a file is set up
         for the project. All correspondence, reports, memos,
         cost reports, requisitions, etc., for the project should
         be filed by her so that anyone requiring such
         information will have it available. If the Project
         Leader or an engineer desires his own duplicate file, he
         can have copies made, but most Project Leaders prefer to
         keep a personal file of key documents only.   2f1a

      2. PROJECT AUTHORIZATION--   2f2

         Check the various Project Authorizations for accuracy.
         These are the "Start Work," "Change of Status," or "Stop
         Work" orders originated in the Division Office, which

include such information as the starting and termination
dates of the contract, the contract funds, the Project
Leader, and project title and sponsor.   2f2a

Determine if CLIENT PRIVATE or government action is
required on any phase of the project, and see that the
Project Authorization and all other papers reflect this
properly.   2f2b

3.   TIME SCHEDULES--   2f3

Immediately after receipt of approval for a project,
list or graph a series of intermediate project goals
with specific time schedules, and discuss this with the
Project Supervisor and the project personnel.   This
should include: 2f3a

   (1) Schedule of intermediate project tasks   2f3a1

   (2) Termination date of project   2f3a2

   (3) Due dates and starting dates for monthly report,
   interim reports, and final reports   2f3a3

   (4) Progress review points   2f3a4

   (5) Date for issuance of a proposal for next phase,
   if appropriate.   2f3a5

At the progress review points, it may be necessary to
revise the schedule or alter the means of achieving the
research goals.   At all times, however, the basic
objectives and scope of the proposal must be adhered to
unless renegotiated through formal channels.   2f3b

Copies of the schedule and major subsequent revisions
should go to the project file, the Project Supervisor,
Group Manager (if not the same person), and where
appropriate, the client.   2f3c

4.   FINANCIAL CONTROL--   2f4

Examine the weekly Project Status Reports (cost reports)
from the Accounting Department, and monitor these for
correct time charges and costs.   Since the purpose of
this is to catch major errors, the sheets can be scanned
fairly rapidly, but they should always be checked.   2f4a

If your predicted rate of expenditure indicates that you
are short on either time or money, be sure that your
Project Supervisor is aware of it.   2f4b

On CPFF (cost plus fixed fee) contracts the amount of
the fee is fixed, whether we underrun or overrun the
project.   There have been several cases recently where
fee was accrued at an incorrect rate. At the end of the
project it resulted either in an underrun or an overrun.
The Project Leader should watch the fee rate and accrual
to be sure it is accruing properly. E.g., where there
are subs, the burden, overhead and fee rates on the subs
determine accrual. Rates on the master PSR are
completely ineffectual.   2f4c

5.   PROJECT MEETINGS--   2f5

To keep your group informed and as a possible means of
assistance, frequent internal project meetings are
encouraged.   2f5a

6.   MONTHLY LETTER REPORTS--   2f6

Most of our projects require a brief monthly letter
report to the client. If the format is not specified by
the client, include the specific work done during the
past month, the specific steps for the next month, and
the overall status of the project.   2f6a

If the status is such that the project is not meeting
its anticipated schedule, or if a change in direction is
contemplated, this fact should be clearly stated.   2f6b

7.   TECHNICAL MEMOS--   2f7

Prepare internal technical memos from time to time that
can solidify your results to date, and that can later be
updated and used as sections or appendices of the formal
reports.   If written as the material becomes available,
rather than waiting until it is no longer fresh in mind,
it will be easier to set down.   2f7a

8.   FORMAL REPORTS--   2f8

Any major report that must go through our normal
channels of authorship, editing, approval, rewriting,
illustration, and printing, should be started at least
two months prior to the contract termination date.

Study projects of more than eight or ten months duration
should initiate writing of the final report a full three
months before the termination of the project, so that if
the process of writing the report uncovers errors or
omissions, there is still time available to collect new
facts. Short final reports to commercial clients may
require less lead time. History shows, however, that
the average annual report is issued two months after
receipt of the first draft by Editing.   2f8a

9. PROJECT NOTEBOOKS--   2f9

See that all project personnel keep adequate notebooks,
properly dated and witnessed.   2f9a

10. COMMUNICATION WITH THE CLIENT--   2f10

Experience has shown that there are some areas in which
SRI has had difficulty time after time, and that can be
improved only by the Project Leaders. One of these is
communication with the client. Normally, we should see
that each client hears from us at least once a month
during the course of a project, and is never given the
feeling of being uninformed. We should normally send
brief monthly letter reports to each sponsor and
supplement these with visits, correspondence, or
telephone, as necessary. Personal contacts are
essential, but do not relieve the Project Leader of
writing regular monthly reports if these have been
promised in our proposal. Most meetings (and many phone
calls) deserve follow up by letter in order to summarize
the salient points and to prevent future
misunderstandings with the client.   2f10a

11. OVERRUNS--   2f11

Another repetitive theme of past projects has been a
tendency to overrun estimated project time and cost.
This is understandable on a hardware project where
research and development costs are unpredictable;
however, there is no justification for overrunning a
study project. Even the hardware projects must be
stopped prior to overrun, unless we have the written
permission of the client.   2f11a

One frequent cause of overruns is the failure to reserve
sufficient funds for writing and producing the final
report; final report costs are almost always

under-estimated. About half-way through the project the
Project Leader should carefully review the amount
originally set aside to be sure it is still adequate to
cover all estimated costs.   2f11b

12. PROPOSALS FOR PROJECT EXTENSION--   2f12

A source of anguish in the past has been in getting a
proposal into the hands of the client well before the
first phase terminates. On a 12-month contract, the
sponsor should be given a verbal presentation 90 days
before the termination of the contract, and if
appropriate, a proposal for extension should be written
immediately after. This is another reason for issuing
interim reports and technial memos, so that the client
can make a decision about extending the project prior to
receiving the final report or seeing the final hardware.
Remember that we must sell the Project Monitor's
management as well as him, so that he needs
documentation.   2f12a

When approval is needed from the client for a time or
cost extension or change in scope, we should always
coordinate the request with our Division office.
Remember that the Technical Monitor of a Government
project has no authority to approve contract changes.   2f12b

13. CLOSING OUT THE PROJECT--   2f13

The following procedures should serve as a general guide
for closing out a project. All projects should be
closed out in the period of time between the approval of
the final draft of the Final Report and its publication
in final form. In some cases, closing out should begin
earlier than this because of the large volume of work to
be processed. Enough funds should be set aside on each
project to cover this cost.   2f13a

Your Group Secreatary should either be asked to request
the STOP WORK order, or be immediately informed of it,
since she performs the initial screening of time charges
by our personnel.   2f13b

(a) Items to be considered in Project Close-Out: All
files must be gathered and prepared for eventual storage
in the Document Center. This includes all information
not presently in the master project file, i.e., various
copies of letters, etc., that engineers may have in

their desk or personal files. This material should be
collected and given to the secretary who handles the
master project file. She will keep the file in her
office for a minimum of 18 months after its termination.   2f13c

(b) All U.S. Government classified documents
accountable on that project should be inventoried by the
Group's Control Coordinator in cooperation with the SRI
Security Office. Based on this inventory, the Security
Office will make a formal request to retain those
documents we have an interest in keeping and either
return or destroy the remainder.   2f13d

(c) For government contracts, all government-furnished
equipment, purchased project equipment, and developed
prototype assemblies should be collected in one place.
(If an equipment list is desired, contact the Property
Office.) When this has been completed, the Property
Office should be contacted and disposition made.
Prototypes will be judged for expendability on an
individual basis by the Property Office and the Project
Leader.   2f13e

(d) For government contracts, patent disclosures should
be completed and submitted to the Executive Director's
office for processing. If no disclosures are to be
made, a memo to the Executive Director's office should
be prepared so stating, since we cannot recover our fee
until this is done.   2f13f

14.   HELP ON CONTRACTUAL ASPECTS--   2f14

The Project Leader should never hesitate to contact the
Projects Administrator in the Division Office for
assistance on any matters relating to the financial or
contractual aspects of any project.   2f14a

cc: B. Cox, J. Hillhouse, R. Wing, D. Brown, S. Blake, J.
Stevens, C. Dodge   2g

8

Project Leaders' Training Course--Memos by Fred Kamphoefner,
SRI-ISE--3/73

(J17006) 3-JUN-73 09:34;   Title: Author(s): James C. Norton/JCN ;
Sub-Collections: SRI-ARC; Clerk: JCN ;
Origin: <NORTON>PROJLEADER.NLS;1, 3-JUN-73 09:33 JCN ;

DATE OF VISIT: 5/10 and 5/11   1

PEOPLE   2

   ARC: 2a

     Norton   2a1
     Rech   2a2

   IPT: 2b

     Blue   2b1
     Crocker   2b2
     Cutler   2b3
     Dolan   2b4
     Kahn   2b5
     Perry   2b6
     Roberts   2b7
     Secy? (Hilda Bangert?)   2b8
     Secy? (Paula Kaj?)   2b9

MAIN ARC OBJECTIVES OF VISIT   3

  Learn about: 3a

    IPT INFORMATION FLOW: in and out of the office   3a1

      Volume, rate, nature of the information: books,
letters, memos, sndmsgs, reports, etc.   3a1a

    Types and frequency of TECHNIQUES now in use at IPT (and
by whom) for generating information: 3a2

      dictation? handwriting, computer system use? personal
typing? other?   3a2a

    Present FILING SYSTEMS for correspondance, reports..
library access--on or offline   3a3

    TERMINALS now at IPT: 3a4

      printing/non-printing..electric typewriters..types and
number..displays   3a4a

    STATE of IPT people's NLS LEARNING now   3a5

      who at courses, when, use now?.. learn about state of
use and experience with other textediting facilities and
get some idea of the use of the Network IPT people make

now. Also learn about their use of computing facilities
on or off the Network: for what, what volume, what kind
of reports.. form..online files, etc.?   3a5a

IPT use of SNDMSG now and trends: 3a6

    rate, needs for future reference, privacy, with whom do
    they communicate via sndmsg: plans for the future?   3a6a

Kind of WRITING now done by IPT people   3a7

    papers? letterhead? forms? etc. volume in each
    category? What kinds of pressures? Frequent time
    pressure?   3a7a

DYNAMICS of IPT/contractor and IPT /other ARPA,Govt
relationships   3a8

    meetings,   conferences that might be teleconferences,
    etc?   3a8a

Learn about the present IPT EXPECTATIONS about their use
of NLS   3a9

Leave attitudes that will help in later planning and
interaction: 3b

    Realistic view of what will happen at IPT at the start of
    NLS use.   3b1

    Trust in JCN,PR and ARC people: in our ability to help
    them get into NLS [AKW, really) while we ourselves learn
    how to do it.   3b2

    Acceptance and understanding of the local IPT AKW
    architect strategy   3b3

    Appreciation for AKW potential and how IPT use fits into
    the ARC strategy..and why it will be beneficial (we hope)
    to IPT operations, both internally and in their position in
    the ARPA community.   3b4

Develop and discuss a tentative implementation plan: 3c

    The basic logic of the implementation plan should be
    worked out by the time we leave. It may well go along the
    lines: 3c1

ARC / IPT architect [or temporary person?] analysis of
what we see on the trip   3c1a

Training of clerical people: input, file handling,
Journal in and out, output processing, etc.   3c1b

ARC new Utility features under development: what IPT
needs.. Journal, privacy, sendprint, etc.   3c1c

Be set up for later analysis of what we learn: 3d

Possibilities for IPT NLS use..new features needed right
off (Journal stuff, etc).. integration with other online
processes (accounting, etc)   3d1

Strategy for implementing: steps.. stages   3d2

Plan.. steps, timing, who, when..   3d3

Visit NMRO   3e

Se Dr. Willis and Col. Russell: NMRO office similar to
IPT? VELA and Russell's ideas?   3e1

Visit HRRO   3f

See Tom O'Sullivan: HRRO office similar to IPT? Talk about
the possibility of getting the community CBI started.. this
is really RWW interest, but since we will be there....   3f1

Meet Marie Morello, Keydata. Discuss her role as it is
forming.   3g

TENTATIVE ARC-SUGGESTED AGENDA:

THURSDAY 5/10:

9:00 - 10:00

ARC and IPT meeting--LGR and staff?

Discuss objectives of the visit, the planned IPT NLS use, the IPT objectives, etc.

10:00 - 12:00

Discussion with smaller group or individuals?

1:00 - 5:00+

JCN PR learning about IPT office operations

FRIDAY 5/11:

9:00 - 11:00

JCN visit with NMRO (Dave Russell) and HRRO (Tom O'Sullivan)?

11:00 - 12:00

Status meeting with whoever seems appropriate?

1:00 - 3:00+

JCN   learning more about IPT office operations

3:00 - 4:00?

Summary meeting with LGR and others?

(J17007) 3-JUN-73 09:37;   Title: Author(s): James C. Norton/JCN ;
Sub-Collections: SRI-ARC; Clerk: JCN ;
Origin: <NORTON>ARPAVISIT.NLS;1, 3-JUN-73 09:36 JCN ;

2-JUN-73 11:08:51,3712   1

-------   2

Date: 2-JUN-73 1108-PDT   3

From: WALLACE   4

Re: group allocation   5

cc: VICTOR, IRBY, peters   6

- - - -   7

Gentlemen: 8

    The following tells you all you need to know about the group   8a

allocations stuff in my absence (hopefully). I have check the
notifiy   9

and logout stuff and it all works.   10

    CURRENT KNOWN FUNNIES   10a

        If you restart the systen (or it crashes and restarts) and
        there   10a1

    are no disk pages (ie: less then 300) the exec allocation stuff   10b

    fails to get write access to the data page (group.core). and the   10c

    allocation stuff aborts. This will also occur if you login and   10d

    your personal disk allocation is exceeded   10e

    symptoms: 10f

        When you login it will ask you for your ident   also the   10f1

        groupstat command will say " group allocation data   10f2

        unavailable"   10f3

corrective action   11

    just get enough space back   the service program will fix all   11a

    (i hope) at least it has on the two occations this happened to   11b

data file for group and ident information. It is editable bye   18a

the program <subsys>gedit.sav (type "?" for help)   19

entries are four words ling and have the format: 20

    directory#,,group#   20a

    ident(1)   20b

    ident(2)   20c

    link to personal data block (- not implimented yet)   20d

<system>group.names   21

    defines group names. Sequential file and position determines   21a

group name. ie: 22

    line 1 - group 1   22a

    line 2 - group 2   22b

    line 3 - group 3   22c

        .   22c1

        .   22c2

current group names are: 23

    0 - Local People (the world default)   23a

    1 - System Jobs (autostartup jobs)   23b

    2 - NIC Users   23c

    3 - RADC (rome air development center)   23d

    4 - Test Subjects   23e

<system>group.txt   24

    text file used by OFFQUOTA exec command.   24a

      glitch   currently must have a terminating character of ↑z   24a1

      I will fix this when i get back..   24a2

17008 Distribution   1
    James C. Norton, Charles H. Irby, Jeffrey C. Peters, Kenneth E. (Ken)
    Victor,   1a

NIC Request from NSRDC: 1

2-JUN-73 14:24:30,2987   1a

-------   1b

Date: 2-JUN-73 1424-PDT   1c

From: NORTON   1d

Re: Urgent Need FOR ARPANET Site Data   1e

cc: Kudlick, Feinler, NSRDC, North   1f

- - - -   1g

I am appending a message sent to me by Robert Lieberman of NSRDC
today. His group is completing a look at the ARPANET from the
Navy's standpoint.....I think centering around the question of how
and or if the Navy will use the ARPANET. They desperately need
information about DOD labs connected to the ARPANET or soon to be
connected. I feel the NIC should make a special effort to help RLL
and his people get the data early this next week. Note their
deadline is June 8th...which means getting data maybe by Tuesday??
6/5??... I think Jake should call Robert directly and discuss in
more detail his needs..the date of his resource notebook...the
possibility of trying online lookup...but also the possibility of
getting some stuff we may HAVE, but not have ONLINE. It seems to
me that we should push ahead some direct calls to sites where
important data are missing.. However, for those sites about to
join the ARPANET....perhaps we could leave that to Schlonka's
people or NSRDC themselves..   1h

    Can you help, Mike?   Note that I have sent copies of this to
    NSRDC,Jake, and Jeanne North. If you want to discuss
    further...try a sndmsg?? Thanks, Jim Norton.   1h1

      The text of RLL message follows (I hope)   1h2

$$ 1-JUN-73 20:45   1i

                                                                          1j

    Although I asked Schelonka to fill the information requested
    below, we are pressed for time . I would appreciate nic
    documents (if any) where I can get the information. For all
    dod laboratories who are now on or will soon be on the
    ARPANET: 1j1

                                                                          1k

                                                                          1l

Full name of organization   1l1

                                                                           1m

Person to contact   1m1

                                                                           1n

Address   1n1

                                                                           1o

Phone number   1o1

                                                                           1p

Position   1p1

                                                                           1q

Sites relationship to the ARPANET, i.e.   1q1

                                                                           1r

Host , soon to be host, serious interest in becoming a   1r1

host, or terminal user   1r2

                                                                           1s

Date when became member of the arpa community or expected date   1s1

                                                                           1t

Host machine   1t1

                                                                           1u

Type of IMP   1u1

                                                                           1v

316, 516, or TIP   1v1

                                                                           1w

Other interfaces such as   1w1

                                                                           1x

PDP-11 or CDC-1700   1x1

                                                                           1y

2

Interest in using the network   1y1

                                                                          1z

Network facilities to be used   1z1

                                                                          1a@

what kind of experiments to be conducted   1a@1

                                                                          1aa

What kind of operational work will be done   1aa1

                                                                          1ab

Any interest in participating with others on a network   1ab1

experiment   1ab2

                                                                          1ac

Our copy of the latest resource notebook does not list any of
the DOD sites, for example the fleet numerical weather central
or the Air Force laboratories.   1ac1

                                                                          1ad

I realize that much of this information probably is very hard
to   1ad1

get, but if name and phone number is made available then we
could call directly to them.   1ad2

                                                                          1ae

OUR REPORT IS NOW DUE THIS FRIDAY JUNE 8. I THINK THIS IS THE
LAST   OF THE FINAL DUE DATES.   1ae1

                                                                          1af

If you prefer, I will check with Schelonka before calling
anyone   1af1

that represents future sites.   1af2

                                                                          1ag

Thank you   -- Robert Lieberman, NSRDC (RLL)   1ag1

                                                                          1ah

-------   1ai

17009 Distribution

    Michael D. Kudlick, Elizabeth J. (Jake) Feinler, Jeanne B. North,
    Robert N. Lieberman,

JOURNAL CITATIONS: ANOTHER POINT OF VIEW   1

INTRODUCTION   2

This note suggests a journal citation format which includes the
following information:.   2a

title, name of author(s), date of submission, date, and the
link to the journal file, and   2a1

the following optional information in substatements: 2a2

comments: The usual optional comments   2a2a

reply to document: [aaaaa,)   2a2b

obsoletes document: (xxxxx,)   2a2c

updates document: (yyyyy,)   2a2d

references: (bbbbb,) [ccccc,) (ddddd,)   2a2e

full title: (whenever the given title is too long
             to fit in the first line of the citation)   2a2f

We have examined various forms of journal citations (including
those suggested by MDK in (16845,) and RWW in (16786,)) and we
have concluded that we would prefer the format suggested below.
Some of the considerations which led us to this choice are the
following: 2b

The full name of the author(s) should be given. We know each
other by our initials, but this will generally not be the case
for wider user communities outside ARC. Let us keep a minimal
degree of formality in this respect.   2b1

In the first line we want to see the title and the name of the
first author. That is the first information we need when
reading our mail.   2b2

The second line should contain the names of other authors, the
date and time, and the link to the document cited. Thus, the
first two lines of the citation would come as close as possible
to the classical reference format and, if printed out with the
viewspecs xbry, they would provide the usual form of reference
lists.   2b3

If the given title is too long it should be truncated where
necessary, and the truncation should be indicated by "...". In

such a case, the full title should be repeated in a
substatement.   2b4

All other information should be optional and appear in
substatements only.   2b5

A format of fixed fields, with the author left justified and
the link right justified, the title left justified and the date
right justified, wold be attractive for a display. However, for
efficiency in TTY output, it is important to design for left
justification only.   2b6

Default viewspecs should be xbry; hanging indention allows the
eye to differentiate items.   2b7

Example: 2c

"Proposal for Research No. ISU-73-5 ..." by J.C. Norton,
    and R.W. Watson 30-MAR-73 18:37 (14946,1:w)   2c1

    Comments: We promised to call ARPA early next week.   2c1a

    Obsoletes document: (14946,)   2c1b

    Updates document: (14946,)   2c1c

    References: (xxxxx,), (yyyyy,)   2c1d

    Full title: "Proposal for Research No. ISU-73-5 -- WORKSHOP
    UTILITY SERVICE FOR ARPA AND IPT CONTRACTOR USE OF KNOWLEDGE
    WORKSHOP TECHNOLOGY"   2c1e

SUGGESTED FORM FOR JOURNAL CITATIONS   3

  Viewspecs: xby (one line)   3a

    "Proposal for Research No. ISU-73-5 ..." by J.C. Norton,   3a1

  Viewspecs: xbry (two lines)   3b

    "Proposal for Research No. ISU-73-5 ..." by J.C. Norton,
      and R.W. Watson 30-MAR-73 18:37 (14946,1:w)   3b1

  Viewspecs: wy (the whole citation)   3c

    "Proposal for Research No. ISU-73-5 ..." by J.C. Norton,
      and R.W. Watson 30-MAR-73 18:37 (14946,1:w)   3c1

    Comments: We promised to call ARPA early next week.   3c1a

Obsoletes document: (14946,)   3c1b

Updates document: (14946,)   3c1c

References: (xxxxx,), (yyyyy,)   3c1d

Full title: "Proposal for Research No. ISU-73-5 -- WORKSHOP
UTILITY SERVICE FOR ARPA AND IPT CONTRACTOR USE OF KNOWLEDGE
WORKSHOP TECHNOLOGY"   3c1e

EXAMPLES OF FIRST LEVEL VIEWS (Viewspecs: xb)   4

"Phone Call From Perry Miller" by J.B. North
"Aids to the Publication Process" by N.D. Meyer
"Novice Expert Review Team Meeting" by E.K. Michael
"New Output Processor: Dot Directive" by W.L. Bass
"Ongoing Journal Evolution: Major Issues" by M.D. Kudlick
"Note to Col. John Perry, ARPA re: JCN PR Visit" by J.C. Norton
"Phone Call From Perry Miller, MIT, Re SUR ..." by J.B. North,
"Proposal for Research No. ISU-73-5 ..." by J.C. Norton,
Message from J.C. Norton   4a

EXAMPLES OF FIRST LEVEL VIEWS (Viewspecs: xby)   5

"Phone Call From Perry Miller" by J.B. North   5a

"Aids to the Publication Process" by N.D. Meyer   5b

"Novice Expert Review Team Meeting" by E.K. Michael   5c

"New Output Processor: Dot Directive" by W.L. Bass   5d

"Ongoing Journal Evolution: Major Issues" by M.D. Kudlick   5e

"Note to Col. John Perry, ARPA re: JCN PR Visit" by J.C. Norton   5f

"Phone Call From Perry Miller, MIT, Re SUR ..." by J.B. North,   5g

"Proposal for Research No. ISU-73-5 ..." by J.C. Norton,   5h

Message from J.C. Norton   5i

EXAMPLES OF FIRST LEVEL VIEWS (Viewspecs: xbry)   6

"Phone Call From Perry Miller" by J.B. North
and R.W.Watson, M.D.Kudlick 5/23/73 10:32 (18888,1:w)   6a

"Aids to the Publication Process" by N.D. Meyer
31-MAY-73 19:31 (16942,1:w)   6b

3

"Novice Expert Review Team Meeting" by E.K. Michael
   31-MAY-73 10:55 (16923,1:w)   6c

"New Output Processor: Dot Directive" by W.L. Bass
   31-MAY-73 15:37 (16934,1:w)   6d

"Ongoing Journal Evolution: Major Issues" by M.D. Kudlick
   4-APR-73 17:52 (15494,1:w)   6e

"Note to Col. John Perry, ARPA re: JCN PR Visit" by J.C. Norton
   5-MAY-73 21:44 (16302,1:w)   6f

"Phone Call From Perry Miller, MIT, Re SUR ..." by J.B. North,
   and R.W.Watson, M.D.Kudlick, P.Rech 5/23/73 10:32 (18888,1:w)   6g

"Proposal for Research No. ISU-73-5 ..." by J.C. Norton,
   and R.W. Watson 30-MAR-73 18:37 (14946,1:w)   6h

 Message from J.C. Norton
   8-FEB-73 21:00 (14363,)   6i

EXAMPLES OF FULL CITATIONS (Viewspecs: wy)   7

"Note to Col. John Perry, ARPA re: JCN PR Visit" by J.C. Norton
   5-MAY-73 21:44 (16302,1:w)   7a

"Ongoing Journal Evolution: Major Issues" by M.D. Kudlick
   4-APR-73 17:52 (15494,1:w)   7b

"Aids to the Publication Process" by N.D. Meyer
   31-MAY-73 19:31 (16942,1:w)   7c

"New Output Processor: Dot Directive" by W.L. Bass
   31-MAY-73 15:37 (16934,1:w)   7d

"Novice Expert Review Team Meeting" by E.K. Michael
   31-MAY-73 10:55 (16923,1:w)   7e

"Phone Call From Perry Miller" by J.B. North
   R.W. Watson, M.D. Kudlick 5/23/73 10:32 (18888,1:w)   7f

"Phone Call From Perry Miller, MIT, Re SUR ..." by J.B. North,
   R.W. Watson, M.D. Kudlick, P. Rech 5/23/73 10:32 (18888,1:w)   7g

   Comments: We promised to call him back early next week.   7g1

   References: (xxxxx,), (yyyyy,)   7g2

Full title: "Phone Call From Perry Miller, MIT, Re SUR
Bibliographic Work"   7g3

"Proposal for Research No. ISU-73-5 ..." by J.C. Norton,
R.W. Watson   30-MAR-73 18:37   [14946,1:w]   7h

Obsoletes document: [14946,]   7h1

Updates document: [14946,]   7h2

Full title: "Proposal for Research No. ISU-73-5 -- WORKSHOP
UTILITY SERVICE FOR ARPA AND IPT CONTRACTOR USE OF KNOWLEDGE
WORKSHOP TECHNOLOGY"   7h3

Message from J.C. Norton
8-FEB-73 21:00   (14363,)   7i

Reply to: (14339,)   7i1

Message: Comments on Your Weekly Analysis Report

Beau: Your Journal document [14339,) is an excellent piece of
work. It is readable, well organized and really gives the kind
of summary view we wanted. Thanks for the good effort. I have
the feeling that the format has stabilized for the present. If
RADC or PR need added features we can certainly consider them,
but should discuss before implementing. I think what you now
have will satisfy most of the needs expressed so far.. You sure
seem to have it under control. How is the clerical part of the
process working? Can you keep up with it? Can TNLS be used...
insert sequential to help with the load?

                                                                7i2

ALTERNATE PRESENTATIONS OF FULL CITATIONS (Viewspecs: wy)   8

Norton, J.C.: "Note to Col. John Perry, ARPA re: JCN PR Visit"
5-MAY-73 21:44   (16302,1:w)   8a

Kudlick, M.D.: "Ongoing Journal Evolution: Major Issues"
4-APR-73 17:52   (15494,1:w)   8b

Meyer, N.D.: "Aids to the Publication Process"
31-MAY-73 19:31   (16942,1:w)   8c

Bass, W.L.: "New Output Processor: Dot Directive"
31-MAY-73 15:37   (16934,1:w)   8d

Michael, E.K.: "Novice Expert Review Team Meeting"
31-MAY-73 10:55   (16923,1:w)   8e

Test of Rechcitations

North, J.B. et al: "Phone Call From Perry Miller "
  5/23/73 10:32 (18888,1:w)   8f

  Other authors: R.W.Watson, M.D.Kudlick, P.Rech   8f1

North, J.B. et al: "Phone Call From Perry Miller, MIT, Re SUR
...",
  5/23/73 10:32 (18888,1:w)   8g

  Other authors: R.W.Watson, M.D.Kudlick, P.Rech   8g1

  Comments: We promised to call him back early next week.   8g2

  References: (xxxxx,), (yyyyy,)   8g3

  Full title: "Phone Call From Perry Miller, MIT, Re SUR
  Bibliographic Work"   8g4

Norton, J.C. et al: "Proposal for Research No. ISU-73-5 ..."
  30-MAR-73 18:37 (14946,1:w)   8h

  Other authors: R.W.Watson   8h1

  Obsoletes document: (14946,)   8h2

  Updates document: (14946,)   8h3

  Full title: "Proposal for Research No. ISU-73-5 -- WORKSHOP
  UTILITY SERVICE FOR ARPA AND IPT CONTRACTOR USE OF KNOWLEDGE
  WORKSHOP TECHNOLOGY"   8h4

Norton, J.C.: Message
  8-FEB-73 21:00 (14363,)   8i

  Reply to: (14339,)   8i1

  Message: Comments on Your Weekly Analysis Report

  Beau: Your Journal document (14339,) is an excellent piece of
  work. It is readable, well organized and really gives the kind
  of summary view we wanted. Thanks for the good effort. I have
  the feeling that the format has stabilized for the present. If
  RADC or PR need added features we can certainly consider them,
  but should discuss before implementing. I think what you now
  have will satisfy most of the needs expressed so far.. You sure
  seem to have it under control. How is the clerical part of the
  process working? Can you keep up with it? Can TNLS be used...
  insert sequential to help with the load?

                                                                           8i2

THINGS

This is a quick reminder list I retired

THINGS

30April   1

   Have to jot down for FT impact of losing Sliwa   1a

   Main goal of week is to complete personnel conferences   1b

   As I understand it ,We should start action requesting RN to fund
   the mait effort on DM-1 for FY 74.   1c

   Lab activitity reports are due up front by 26 April.   1d

      I will have Marcel put in the system a description of criteria.   1d1

   You must prioritize our efforts for FY-74   1e

   Call SDC,Delphi,CalTech,TRW for this week   1f

      sdc=?,delphi=tues am,cal tech=wed am trw=mon am and pm i think   1f1

   Have to imprive or update chart for Col thayer   1g

   Have to reply to the memo on F Sliwa   1h

   Lets establish a reading or bibliography for our area and
   jounalize it so we have a KWIC index that we can bullid on   1i

23 April   2

   We have to make sure that when we turn in the MTST,s that we do
   keep one dictating set for Jo as I think that is one mode we
   cantry to use her in on NLS,dictating a file and having her put in
   the first cut.   2a

   remin roc of your discussion with GOEL   2b

   Check with Al to see if he has heard of a letter by Gen.Wade which
   migt have anty impact on our abiltiy to buy the multiplexer for
   Col Fowler.   2c

      He is concerned if we will have any trouble if we rent rather
      than buy.He also keeps talking about us establishing a task to
      evaluate it.I think this should be brought up to al   2c1

   The other DIV(RN) I have herad has a Redactron is this true ?   2d

   You should spend some time on ICL   2e

   Main goal of week is to complete personnel conferences   2f

THINGS

Talk to FT about the course by ward etc   2g

Talk to ft about the possobility of rasing the funds for s mair,s
project to bulid into nls CAItechnology   2h

Explore what can be done about starting paper work on efforts like
NLS service   2i

As I understand it ,We should start action requesting RN to fund
the mait effort on DM-1 for FY 74.   2j

Lab activitity reports are due up front by 26 April.   2k

    I will have Marcel put in the system a description of criteria.   2k1

16 April   3

We have to make sure that when we turn in the MTST,s that we do
keep one dictating set for Jo as I think that is one mode we
cantry to use her in on NLS,dictating a file and having her put in
the first cut.   3a

remin roc of your discussion with GOEL   3b

call jo orlotto   3c

Check with Al to see if he has heard of a letter by Gen.Wade which
migt have anty impact on our abiltiy to buy the multiplexer for
Col Fowler.   3d

    He is concerned if we will have any trouble if we rent rather
    than buy.He also keeps talking about us establishing a task to
    evaluate it.I think this should be brought up to al   3d1

The other DIV(RN) I have herad has a Redactron is this true ?   3e

You should spend some time on ICL   3f

Muat check with FTon BIll rzpeka,s invite etc.   3g

Dean should go tto the meet at howards office at 10am on DM-1.   3h

schedule a dms dev meet this week as well as a AKW so asto get
back onschedulle   3i

Main goal of week is to complete personnel conferences   3j

Lets get the updated progran infor into the system(Marcel can help
with rocs   3k

THINGS

Remind all that the annual confernce is in New York in JUne   3l

Talk to FT about the course by ward etc   3m

Talk to ft about the possobility of rasing the funds for s mair,s
project to bulid into nls CAItechnology   3n

Make sure paper work begins on programs that can like dm-1
Mait,NLS rental etc.   3o

9 April   4

Remind all that the annual confernce is in New York in JUne   4a

Talk to FT about the course by ward etc   4b

Wrk on personnel confernces   4c

Spend some time on the fy-74 program   4d

Wrk on personnel confernces   4e

conplete the report for bb and ft   4f

Talk to ft about the possobility of rasing the funds for s mair,s
project to bulid into nls CAItechnology   4g

2 April   5

Check with FT on DM-1 Mait   5a

start ssp,s   5b

meet schedule with d ward to discuss propasl next week 10pril   5c

Wrk on personnel confernces   5d

Spend some time on the fy-74 program   5e

What happened to the dm ddl effort?   5f

Call Major Zarra   5g

Complete our observations and send copy to Jim Norton   5h

conplete the report for bb and ft   5i

Talk to ft about the possobility of rasing the funds for s mair,s
project to bulid into nls CAItechnology   5j

26 March: 6

Wrk on personnel confernces 6a

Spend some time on the fy-74 program 6b

What happened to the dm ddl effort? 6c

19 March 7

Talk to ft about the possobility of rasing the funds for s mair,s
project to bulid into nls CAItechnology 7a

Keep track of rquesr by Major Fowler 7b

Call COL M,Ginnis on the BR-700 request by dcs/p&o 7c

Talk to roc on the os,s 7d

Call Mitre (Lafferty and discuss dms ddl bit have to give al
Barnum a answer by tuesday 7e

Get Tom L going on the termnal buy today. 7f

Have Jim Bair call Major Norton today and arrange for taaining. 7g

Have A Barnum call QRC .They have the money and want us to do it
.They need to know this week can we or not. 7h

schedulr a program calldiscussion with dm types rolles and goals 7i

What happened to the dm ddl effort? 7j

We have got to persue tying our AKW demo to a large screen display 7k

Call Major Zarra 7l

7m

We need to work out some rational role for us in relation to div
on request from ACD 7n

Complete our observations and send copy to Jim Norton 7o

5 March 8

Make sure we know which dm talks are to be given 8a

Go through the pitch and demo with stone today if possible 8b

THINGS

udate your misp file for stoney,s demo   8c

Discuss with ed more idea of plannig the use of nls by stone   8d

Get terminal doc tp Capt.Stinson and combine with his requirement.   8e

Do the evaluations and begin the writeups   8f

who is going to brief and demo nls?   8g

   this is the one doe IR(J.Adtkinson) on 7 March at 1330 over in
   240 with a exuport   8g1

Call Major Norton no better yet have Jim Call him today and set up
time week of 19 or 26 March.   8h

Check on status of request of col Fowlers   8i

What about the maitincance contract with auerabach?   8j

the 74 progran call is about to begin (lets get roc,s group line
items up on nls   8k

send message to f t that auerbach is going over their design with
ITRI this week mon and tuesday   8l

how about the short term course request should be some   8m

   need them by 15 March.   8m1

Have got to resolve our ability to dem nls to a large audience we
are on 20March.(Jim Bair will give the pitch but for the size
audience 30 or more we need a large diplay capability.   8n

Prepare flyers for Dr.Berra,s pitch for 22 March and Dr.Rudolph
for the 26th of March.   8o

Follow uo on Col Fowler,s request on the multiplexer   8p

Call Major Zarra   8q

What is our role in both the examination of the TPE and the
experiment to see if wwmc,s OS will run on our 63   8r

26 Feb.   9

   read j nortons minutes on our trip to sri(IJOURNAL,14447,1:w)   9a

THINGS

     Foster,s pitch is on the 6th of march at 10 pm(make a flyer and
     personnaly contact the right people tp attend.   9b

     work on misp file for SAB demo   9c

20Feb.   10

     Let appropiate people know that the pitch by Dr.Foster will be the
     28 Feb. at 10pm.   10a

     Gages pitch will be this thursday make sure you know what our
     responsiblities are.   10b

     send message to ed and roc on short term course   10c

     respond to the tn,s from samso   10d

     check on what to do about cazanovia etc.   10e

     see about inteerst in structerd course and about to the problem of
     computer time for non-radc students   10f

     check the agenda the agenda for general robbins.   10g

        the time (i checked bill,s file) is 1115 to 1200 on the 27th of
        Feb.   10g1

     Review the conceptual system 114 soon.   10h

     check on the mtst,s   10i

5 Feb.   11

     Get back to the personnel confernces this week.   11a

     Lets start a roles and goals on-line over time exercise   11b

     Lets start a roles and goals on-line over time exercise   11c

     set up date for dr.Foster(I think ward is to call you.   11d

     Ask bill on dates for auerbach mg,t. to meet with bb and dt.   11e

     Find a copy of the dec. 1971 computer survey article for b rzepka   11f

     process jo cavano,s paper work to convert him to a ee.   11g

     Read the dm-1 report.   11h

prepare or have dean prepare a answer to rc,s objection to our
focal point meno.   11i

push on the text edtior evaluation .   11j

   Did they have a meet (in either case lets get it resolved as to
   who is the eff eng and agree on the approach etc.   11j1

Ask all guys to update their tasks write ups and shoot for next
week a update of your file.   11k

ask marcel about big tupper.   11l

29 Jan.   12

Wrk on pitch for adp committee next week (outline talk with bb
today or tormmorrow)   12a

Have someone prepare a answer to ft memo on terminals (good chance
to help div. establish a realistic plan on terminals)   12b

What is the status of the printer .Lets keep pushing so we finally
get something   12c

   Is their any thing we can do to speed up either the forms
   priner or the tycon device?   12c1

Gabe mention project eng handbook.Why not start guys doing that as
weel as trip repots .   12d

22 Jan.   13

Finish personnel conf. this week   13a

   Resolve any awards etc.   13a1

arrange with dick ward and dick wilson   13b

Set up date for dr Foster to pitch his work any time after 29 Jan.   13c

   prefers modays or wed thursday is out   13c1

Complete update the misp file using the up to date info given to
Tom   13d

make decsion on pitch men for adp visit   13e

have f t call mario on the ahi moneys we need to know quick   13f

need a task write-up on the text-editor   13g

ca   13h

call major zarra etc.   13i

J Norton really convinced me that we have got to scream daily if
necessary for the printer.   13j

establish a open file for SUGGESTIONS.   13k

15 Jan.   14

Get someone to follow marcel to help her and guide her on her use
of the system.   14a

    for instance I triwee to start her on inputting the taskwrite
    ups but i get too involved to keep track of her progress or
    give her any help.   14a1

ft suggested that bill write up on trw,s propolsal be entered inte
ahi .Good example of where marcel can help i would think   14b

    also reminds me when are we going to train ft we can,t run away
    and hide.   14b1

    schedule a rap sessions on the use of AHI.   14b2

    establish a open file for SUGGESTIONS.   14b3

    conduct the personnel conferences this week and next make it
    your goal to be done by next week.   14b4

    Remind F T that we need a good jovial compiler and if their is
    money to spend this would be a ideal effort from our view
    point.   14b5

    J Norton really convinced me that we have got to scream daily
    if necessary for the printer.   14b6

    I am becomong convinced that we need to train Jo on the
    system.   14b7

8 Jan.   15

I am becomong convinced that we need to train Jo on the system.   15a

J Norton really convinced me that we have got to scream daily if
necessary for the printer.   15b

We cannot know the power of the system untill we have a output
device.   15b1

Remind F T that we need a good jovial compiler and if their is
money to spend this would be a ideal effort from our view point.   15c

conduct the personnel conferences this week and next make it your
goal to be done by next week.   15d

establish a file of roles and goals   15e

establish a open file for SUGGESTIONS.   15f

schedule a rap sessions on the use of AHI.   15g

establish practice of a mini confession every other week with a
special topic included.   15h

write the trip report on Admin and DCS P&O.   15i

   Try the apprach of using the dictating equipment and having
   marcel put it itn the system.   15i1

19 Dec.   16

F T wants our reaction the esd plan on multicsthis week.   16a

what is our response to the jovial requwsr by didk robinson.?   16b

start f s write up this week   16c

   callpersonnel for help   16c1

The personnel conferences should roll next week.   16d

   should chat with roc and stone first as well as ft.   16d1

Talk to F.T. on su effort on software reliability it has to be
resolved   16e

   then call ward on a number of items:(1)the last monthly is bad
   (2)roc has recommended we publish the report on "data
   management systems for structuted information retrieval" 72-3
   july 72.(the following is required for this report:a
   repoducible copy on gov,t furnished paper,image area should not
   exeed 61/2 by 9,page numbers shpuld be centered at the bottom
   of the page,(3)like to schedule l rudolph for a review here at
   radc asp,(4)what is the status of the brown report ?   16e1

JLM 4-JUN-73 06:19   17011

THINGS

12 Dec.   17

   Talk to F.T. on su effort on software reliability it has to be
   resolved   17a

      then call ward on a number of items:(1)the last monthly is bad
      (2)roc has recommended we publish the report on "data
      management systems for structuted information retrieval" 72-3
      july 72.(the following is required for this report:a
      repoducible copy on gov,t furnished paper,image area should not
      exeed 61/2 by 9,page numbers shpuld be centered at the bottom
      of the page,(3)like to schedule l rudolph for a review here at
      radc asp,(4)what is the status of the brown report ?   17a1

   The personnel conferences should roll next week.   17b

      should chat with roc and stone first as well as ft.   17b1

   Why isn,t don van hevily involved with the rac people?   17c

   The RAC people will discribe for us and in their progress in the
   dm-1 program .   17d

      on thursday the 14 72.   17d1

   talk up xmas party.   17e

   start f s write up this week   17f

      callpersonnel for help   17f1

   what is our response to the jovial requwsr by didk robinson.?   17g

   F T wants our reaction the esd plan on multicsthis week.   17h

   I want our teninals back in our offices .I will let them out only
   in emerncies our guys have got to have them avaiabale when they
   need themI will ask tome to take over for rog and keep track of
   where they are but i will control their release myself.   17i

5 dec.   18

   need to discuss with f t our room problem.   18a

      we have 3 guys coming and no one leaving and we are cramped
      now.   18a1

      may have to consider moving ed in with you for a while.   18a2

10

need to resolve program reliability at s.u.   18b

continue personnel try to have them done by end of week.   18c

talk up xmas party.   18d

should spend some time on the imlac this week   18e

start f s write up this week   18f

   callpersonnel for help   18f1

27 nov.   19

hold a meet on the ids/ISI job on thursday   19a

make sure we follow the br-700 extension closely   19b

   also call major logan to find out when meet on the installion
   is to be .Stoney thinks it is some time the week of 4 dec.   19b1

col. emmons is to be here tomnorow and the admin project may come
up   19c

f t expressed his concern of the lack of follow up by you   19d

   reminds of tow items or more:work statements ,Dr.Brden   19d1

13 nov   20

dm-1 will probably be discussed today   20a

work on a number of files such as confessions suggestions pr
schedule etc.   20b

continue personnel discussions   20c

hold coffe meetd   20d

hold meet on ahi evaluation this week 15 nov 8:30   20e

   i want us to rework plan like we pitched at mini confessions   20e1

we need to write up our minitutes of meet with gabe with our
planned course of aiction a barnum and co.   20f

need discretionary propalsal for ahi in early this week   20g

talk to roc on status of dm-1 tests   20h

resolve su task on reynolds talk to ft and dick   20i

have to institute practice of room sign off sheets   20j

check on status of modeling course might be worth some of us to
audit   20k

   you should check over all courses being offeered wirh this in
   mind   20k1

have roc assign guys to assure su reports paper work is done   20l

try to remember to use marcel on ahi   20m

   lets get her set up with dictating equip.   20m1

30 oct.   21

make sure to send mitre a cpopy od zerox reoort in soft ware of
ahi   21a

16 oct.   22

have taled to ft on room   22a

   will this mean that bill and frank l will move to the next room   22a1

      i told f t i thought so he wants a final plan and he,ll
      approach front office   22a1a

      should discuss room and move overall   22a1b

chck on status of job descriptions of guys like j cavano and rich
with f t   22b

make decsion on borden with f t and ston e   22c

hold a meet of coffe club   22d

need a position paper on dm-1 for f t and cp   22e

need to resolve position on dave,s cat l   22f

send memo to bb on recommended phone line approach   22g

check on status of a report submaited by brown for publication
under s. u. contract   22h

complete j cavano traing report   22i

should decide with f t if we should make j a ee or not   22i1

d ward will be here 18 oct shpuld prepare for meet   22j

col danielian and we have agreed to fund the br 700 for an
addional 4 months at wich time it will be up to the user to pick
it up   22k

a virgina craster fron the avioncs lab will be here on 26 oct   22l

   she is involed in software dev and is intersted in
   cooridinating with us f t should be aware of her visit   22l1

need to resolve use of lou   22m

   lets review daves task this week lets say wed pm at 3   22m1

must make a list of pr,s   22n

   you need a chart in nls design one and guys can update it for
   you   22n1

i want status on mtst,s when lease is up and what our plans are   22o

give reports to roc from s. u. on others   22p

hold a procect engineers on s u contrct   22q

   it is clear we are beginning to hace same old problem no
   interst and su prof are going off on their own   22q1

i want to see and disscuss dm-1 test plan   22r

it,s time for task updates   22s

isi confessions are this week 19 oct.   22t

program call with center staff will be 14 nov .   22u

   on this we are going to need better charts to support ft when
   he gives the pitch.   22u1

we have a survey of courses in make sure everybody sees it.   22v

9 oct.   23

   chck on status of job descriptions of guys like j cavano and rich
   with f t   23a

THINGS

sdc will be here on tues at 10 pm on dm   23b

we will establish products list with f t on tues so roc and you
can only think of what charts should look like   23c

b mulhauser will be here on 12 and 13 oct.   23d

major grasso may be here on 13oct to see ahi   23e

sri will be here on 27 oct. to give IS a status report on ahi   23f

   make sure stone gives some guidance to doug for this report   23f1

   lets take doug to plaza etc he loves pizza   23f2

   we need charts that better show of our program lets a k sri for
   help.   23f3

ray has observed a lot of activity on advisor should let al and
roger know   23g

should let col danielian know that bb and cp will not be here on
16 and 17 ?   23h

check if week of 16 is okay for traing   23i

have taled to ft on room   23j

   will this mean that bill and frank l will move to the next room   23j1

      i told f t i thought so he wants a final plan and he,ll
      approach front office   23j1a

2 oct.   24

check with f t on f lamonica course switch   24a

establish a position on dm 1 this week and det to cp for chat with
auerabach   24b

check with f t on status of borden   24c

lets speed up traing schedule so as to have guys on for the 3
propolsal in on 1 nov.   24d

see if f t or cp will call jtsa and ask to have proposal sent to
our procurement to keep f sliwa here at the ranch   24e

complete j cavano evaluation form   24f

14

check with f t if we should change him and f l to ee orplanned
or leave where they are   24f1

make sure you put notes from meet with f t on mitre work   24g

remind roc that the german scintist is to be here 12 october   24h

remind ft we could use that room left by kortz   24i

we need write ups on tn or technical accomplishments.due date is
22 sept.   24j

taleked to goel on phone he indicated he would be able to come
down to disscus his program with us 3rd week in oct.   24k

call d ward   24l

data query :c p suugested that we talk our procurment he said they
signed a similair agreement in the past he did not think we would
change honeywwell mind   24m

have to prepare write up on d daughtry this week for cat. l   24n

call is out for programs for lab dir efforts .   24o

25 sept.   25

h powers needs a answer on invite to tipi pitch at esd on 8 nov. 25a

call is out for programs for lab dir efforts .   25b

we should at least consider if we have any progmams that need
support.   25b1

have to prepare write up on d daughtry this week for cat. l   25c

data query.   25d

f t taled with c p and he wants a brief taling paper to use in
a disscussion withhhonweywell   25d1

have roc and stone review traing requirements   25e

call d ward   25f

taleked to goel on phone he indicated he would be able to come
down to disscus his program with us 3rd week in oct.   25g

keep up the push on the task write ups its beginng to work   25h

discuss with stone ahi pitch for next thursday.   25i

   ahi is the special topic on 28 sept.   25i1

     only guidance ive heard is emphasize device planned
utilazation.   25i1a

we need write ups on tn or technical accomplishments.due date is
22 sept.   25j

remind ft we could use that room left by kortz   25k

remind roc that the german scintist is to be here 12 october   25l

must resolve stl 5.0decision in relation to dm-1   25m

   i owe b bethke either guidance on what to say to reilly or not
to call him this week

                                                            25m1

18 sept.   26

must resolve stl 5.0decision in relation to dm-1   26a

   i owe b bethke either guidance on what to say to reilly or not
to call him this week

                                                            26a1

we need write ups on tn or technical accomplishments.due date is
22 sept.   26b

discuss with stone ahi pitch for next thursday.   26c

   ahi is the special topic on 28 sept.   26c1

     only guidance ive heard is emphasize device planned
utilazation.   26c1a

confession are this thursday for us   26d

   lets use ahi to plan topics at least for ahi group.   26d1

data query is back in our lap bring it up to ft.   26e

we have a invite to tipi pitch at esd on 7 8 nov.   26f

   they want any special topics to be sugested to them by 25 sept.   26f1

   due date on attendees is 31 oct.   26f2

multics specs for dar services are being devloped at esd this week   26g

   a barnum is going down on that and other matters   26g1

      first question is should we send any body to help write the spec?   26g1a

      sholud b rzepka go down for a day to fill them in our our progess and plans in dm   26g1b

      a capt   ? at 4460 or 4461 is the point of contact.   26g1c

dr nelson will be here next week on 25 sept. at 3 pm   26h

   ft hopes that we disscus with him trw involment in security as they have the testing peice of ibms program   26h1

   both cp and ft think evaluation is a role we should play in security   26h2

ge was never paid for their consultant work on advisor ?   26i

keep up the push on the task write ups its beginng to work   26j

28 august 72   27

make sure rocs group submits form 30a this week   27a

   he will need a copy of the format   27a1

establish seminar dates for isf on our techincal progmams   27b

   if they are ever to help us sell our ideas thry should have better understanding of our programs   27b1

need better defintion of our goals both in ahi and dm   27c

   should make this high priority item as part of program call   27c1

complete your personal dev plan   27d

hold s u p e ting on sryacause contact   27e

personnel conference periods   27f

meet with d ward   27g

schedule one more go around with rocs group on progran call   27h

14 august 72   28

    establish seminar dates for isf on our techincal progmams   28a

        if they are ever to help us sell our ideas thry should have
        better understanding of our programs   28a1

need better defintion of our goals both in ahi and dm   29

    should make this high priority item as part of program call   29a

7 august 72   30

    follow up on col danilian trip   30a

    talk to f t on dm-1pitch   30b

    make decion on sagamore conf   30c

    send memo to col thayer on increasing interst in transaction
    prosser   30d

    major schell?   30e

    schedule roc first cut on program call this week as he is gone
    next tow weeks   30f

    complete your personal dev plan   30g

    hold s u p e ting on sryacause contact   30h

    personnel conference periods   30i

    meet with d ward   30j

24 july 72   31

    meet with f t on data management manpower   31a

    do j cavano traing evaluation   31b

    meet with d ward   31c

    remind f t that you are off next week   31d

    news brief items are due   31e

    personnel conference periods   31f

THINGS

hold s u p e ting on sryacause contact   31g

10 july   32

sri has invited us to take patrt in i show of the net in wash in
fall tell ft   32a

f allen will be here 24 25 july to discuss our ahi progess and his
plans in relation the mission anlis being done by mitre   32b

personnel conference periods   32c

reply to isf memo on tns and tech achomments   32d

hold s u p e ting on sryacause contact   32e

trip report data services   32f

radc history 11 july to isi   32g

talk to col thayer on airman   32h

check on exuporrt arrivaked   32i

7 july 72   33

reply to col isf traanistion memo   33a

f t insists all men read tech planning guide part 2 real
conceptual systems   33b

sig achievements 26 june   33c

THINGS

(J17011) 4-JUN-73 06:19;   Title: Author(s): John L. McNamara/JLM;
Sub-Collections: RADC; Clerk: JLM;

Inside the TNLS Query Mode

After digesting Mike's comments concerning my proposal
<kelley,file,0:w> and thinking about NET information needs to be met
inside a special TNLS QUERY MODE, it seems to me that the best system
is specified below.   1

In EXEC after typing: NIC <CR> or in NLS after typing: <SP> qu[ery]
<CR> the following is typed: 2

    Type: ? for help.   2a

At this point, no more "commands" need to be remembered or typed.
Instead, the user who has read the help instructions (includes a list
of files) types a DAE / $(words separated by an invisible) / part of
a word followed by ALT / a number -- terminated by a CR.   3

    The system then uses the text typed by the user as an address to
    find all occurances of a name and if more than one, list them all
    with a CHOICE number out to the side of each one. When one (or
    more?) is specified, the following things are done.   3a

        Check for a link, and Print Branch at that link. If no
        viewspecs are in the link (and it's not a statement name),
        repeat this process on the address in the link.   3a1

        If there is an invalid link, Print Branch on the specified
        statement with viewspecs seb. (all lines one level more).   3a2

    If you want to bring a file that is currently recognized by a
    single character, you must type a space preceeding that character
    so it won't be confused with an address. This change in the query
    language would be an appropriate one to go with the new command
    language.   3b

Of course with this system, we would not want to put extra
information (links etc.) into the classifying statements. However,
there seems to be little evidence of a need for this in the type of
data the NET wishes to access.   4

The advantages should be apparant, but I'll list a few.   5

    1. Once in query subnode, the user need not know, remember or
    type any special command syntax.
    2. We won't have to add any new commands or newly formatted
    databases.
    3. The extra capabilities can evolve invisibly yet effectively
    out of the current query language and it's databases.
    4. Everything will still be accessible in the DNLS Jump to Mouse
    Mode.   5a

In short, it has all of the advantages of my system of handling links
with none of the disadvantages associated with my desire to be able
to seperate the data-base from the classification-base by the use of
more than one line (link) in a classification statement.   It seems
for NIC purposes, the database and it's classification structure is
and should be integrated.   6

By the way, the feature of finding all occurances and printing them
with a number to the side is not needed in the ident file.   7

EXAMPLE: 8

   The way the file is currently structured, the user must type
   quotations around the name: 8a

      'smith' <CR>   8a1

   Then both the current query language or the proposed one will
   type: 8b

   ('Smith') LAST NAME   8b1

      (MS) ILLIAC
      Smith, Marcie
      ILLIAC

      Unverified
                                                                     8b1a

      (MHS) UCB
      Smith, Michael H.
      Dept. of Electrical Engineering and Computer Sciences
      University of California
      Berkeley, California   94720

      Phone: (415) 642-3705;
                                                                     8b1b

      (JAS) ETAC-TIP
      Smith, J. A.
      ETAC-TIP

      Function: Station Agent;
      Phone: (202) 693-3912;
                                                                     8b1c

      (GAS) JPL;

        Smith, Gordon A.
        JPL

        Phone: (213) 354-5429;   8b1d

    There will never be more than one Smith as that is the way the
    ident file is structured.   8c

Also, this feature needs to somehow display the branch nodes that
differentiate each of the alternatives found. Otherwise, this
information is going to have to be redundant in every classification
statement that has a duplicate name.   9

EXAMPLE: 10

    The user types: 10a

        discs <CR>   10a1

    The system should type: 10b

        (BBN-TENEX)   10b1

            1 (DISCS)   10b1a

        (SRI-ARC)   10b2

            2 (DISCS)   10b2a

        etc.   10b3

    Otherwise, the name of the major branch will have to be typed on
    all statements so the user can tell the difference: 10c

        1 (DISCS) BBN-TENEX   10c1

        2 (DISCS) SRI-ARC   10c2

        etc.   10c3

After specifying and viewing one of the choice numbers from a series
of statements with the same address, how is the system to know if the
next number typed is meant to be a statement number or a choice
number? Have the default be another choice number unless the same
one is typed twice in a row (a natural thing for the user to do if he
doesn't get what he wants the first time) in which case it is
reinterpreted as a statement number.   If the number was not one of

the available choice numbers, it of course would be taken as a
statement number.   11

17012 Distribution   1
   Michael D. Kudlick, Elizabeth J. (Jake) Feinler, Harvey G. Lehtman,
   Charles H. Irby, Nps Np, Richard W. Watson, Charles H. Irby, Diane S.
   Kaye, Charles F. Dornbush, Elizabeth K. Michael,   1a

On Proposed NLS Command Language Changes

This note expresses my complete concurrence with Jim White's
reservations and suggestions concerning NLS command language changes
(see JEW -- IJOURNAL, 16823, 1:w). I wish to add the following
remarks to the discussion: 1

Like Jim, I'm not suggesting that command language changes shouldn't
be made. To the contrary, I have always advocated cleaning up the
command language by making it consistent and more easily extendable,
and by using words that connote the operations intended. In this
regard I welcome the current efforts to review the language and make
these types of improvements to it. Because of the anticipated sharp
increase in new NLS users due to the Utility, it surely would be
desireable that we have a better command language in order to be
"accepted" by these users.   2

However, I am absolutely against making changes without giving
adequate warning to enable users to learn and be ready for the new
commands, and without providing a gradual rather than an abrupt
transition when the changes are of a global nature.   3

Jim White's suggestions on how to break the news "gently" are the
right way to go, in my opinion.   4

   Especially important among his suggestions, given the scope of the
   changes being planned and the cool reception that NLS has received
   ammong many users to date, is the need to modify NLS so that, for
   a time, it informs the user that the command language has changed
   and gives him the option of using the old one.   4a

      It is not a simple matter to get the word out.   4a1

      Writing adequate documentation is not simple. The
      documentation requires debugging (a "shake-down" period) just
      as programs do; there are almost always omissions, errors,
      inconsistencies, or unclear parts in any documentation when it
      is first issued, no matter how careful the writer is.   4a2

      Training persons to use the new features is not simple either.
      The logistics involved is imposing enough. But old habits must
      also be broken, and resentments against change have to be
      overcome (especially among those who have spent a long time
      learning it the way it is).   4a3

   There is of course another factor crucial to the continued success
   of our system, in addition to the timing and method of introducing
   the new language.   4b

      This is that the consistency and useability of the new language
      must also be established beyond doubt before we cut over.   4b1

Getting the new language up and running is one thing; getting it debugged so that we don't compound the frustrations of users is quite another, in my opinion.   4b2

I therefore recommend that in addition to the advanced notices and command language overlap suggested by Jim White, we plan a "shakedown" period for the new language (and for its accompanying documentation) by a select group such as RADC, for some weeks or months, before introducing the changes to the world. In my opinion, discussions and decisions must address this scheduling problem fully, before any implementation plans that include Network users are put into effect.   5

The above issues are very important to the NIC. Issues which should be very important to ARC, it seems to me, are the consistency of the new language, and the ease with which it will be parsable and extendable. I mention this not as an "expert" in the area of command language design, which everyone (including me) knows I'm not, but because I feel strongly that we shouldn't repeat the underlying problems with the present language. At the last meeting on this subject that I attended, these issues were not directly addressed. This is a plea that they not be ignored.   6

17013 Distribution   1
   Charles H. Irby, Richard W. Watson, Charles F. Dornbush, Diane S.
   Kaye, James C. Norton, Marilyn F. Auerbach, Dirk H. Van Nouhuys,
   James E. (Jim) White,   1a

NIC TNLS Class Membership, 4-8 June 1973

The NIC TNLS Class of the week of 4 - 8 June 1973 is being given at SRI-ARC, Conference Room, for five days, Monday through Friday, from 1 P.M. through 4 P.M. each afternoon. The classes are being arranged to handle local people who cannot be spared from their jobs for 3 full days.　　1

Student membership is:

Marcia Keeney, Carol Guilbault, and Judy Cooke, from the SRI-NIC office.

Paul L. Cotter, SRI-AI

Michael (Mike) L. Marrah, Tymshare, Cupertino

Mark Beach, SRI-ARC night computer operator

Barbara Irby　　2

Dirk van Nouhuys and Marilyn Auerbach are teaching the class.　　3

17014 Distribution   1
    Dirk H. Van Nouhuys, Marilyn F. Auerbach, Michael D. Kudlick, James
    C. Norton, Douglas C. Engelbart, Richard W. Watson,   1a

JOURNAL CITATIONS: ANOTHER POINT OF VIEW   1

INTRODUCTION   2

This note suggests a journal citation format which includes the
following information:.   2a

  title, name of author(s), date of submission, date, and the
  link to the journal file, and   2a1

  the following optional information in substatements: 2a2

    comments: The usual optional comments   2a2a

    reply to document: (aaaaa,)   2a2b

    obsoletes document: (xxxxx,)   2a2c

    updates document: (yyyyy,)   2a2d

    references: (bbbbb,) (ccccc,) (ddddd,)   2a2e

    full title: (whenever the given title is too long
                  to fit in the first line of the citation)   2a2f

We have examined various forms of journal citations (including
those suggested by MDK in (16845,) and RWW in (16786,)) and we
have concluded that we would prefer the format suggested below.
Some of the considerations which led us to this choice are the
following: 2b

  The full name of the author(s) should be given. We know each
  other by our initials, but this will generally not be the case
  for wider user comnunities outside ARC. Let us keep a minimal
  degree of formality in this respect.   2b1

  In the first line we want to see the title and the name of the
  first author. That is the first information we need when
  reading our mail.   2b2

  The second line should contain the names of other authors, the
  date and time, and the link to the document cited. Thus, the
  first two lines of the citation would come as close as possible
  to the classical reference fornat and, if printed out with the
  viewspecs xbry, they would provide the usual form of reference
  lists.   2b3

  If the given title is too long it should be truncated where
  necessary, and the truncation should be indicated by "...".   In

such a case, the full title should be repeated in a
substatement.   2b4

All other information should be optional and appear in
substatements only.   2b5

A format of fixed fields, with the author left justified and
the link right justified, the title left justified and the date
right justified, wold be attractive for a display. However, for
efficiency in TTY output, it is important to design for left
justification only.   2b6

Default viewspecs should be xbry; hanging indention allows the
eye to differentiate items.   2b7

Example: 2c

"Proposal for Research No. ISU-73-5 ..." by J.C. Norton,
    and R.W. Watson 30-MAR-73 18:37 (14946,1:w)   2c1

    Comments: We promised to call ARPA early next week.   2c1a

    Obsoletes document: (14946,)   2c1b

    Updates document: (14946,)   2c1c

    References: (xxxxx,), (yyyyy,)   2c1d

    Full title: "Proposal for Research No. ISU-73-5 -- WORKSHOP
    UTILITY SERVICE FOR ARPA AND IPT CONTRACTOR USE OF KNOWLEDGE
    WORKSHOP TECHNOLOGY"   2c1e

SUGGESTED FORM FOR JOURNAL CITATIONS   3

Viewspecs: xby (one line)   3a

    "Proposal for Research No. ISU-73-5 ..." by J.C. Norton,   3a1

Viewspecs: xbry (two lines)   3b

    "Proposal for Research No. ISU-73-5 ..." by J.C. Norton,
    and R.W. Watson 30-MAR-73 18:37 (14946,1:w)   3b1

Viewspecs: wy (the whole citation)   3c

    "Proposal for Research No. ISU-73-5 ..." by J.C. Norton,
    and R.W. Watson 30-MAR-73 18:37 (14946,1:w)   3c1

    Comments: We promised to call ARPA early next week.   3c1a

Obsoletes document: (14946,)   3c1b

Updates document: (14946,)   3c1c

References: (xxxxx,), (yyyyy,)   3c1d

Full title: "Proposal for Research No. ISU-73-5 -- WORKSHOP
UTILITY SERVICE FOR ARPA AND IPT CONTRACTOR USE OF KNOWLEDGE
WORKSHOP TECHNOLOGY"   3c1e

EXAMPLES OF FIRST LEVEL VIEWS (Viewspecs: xb)   4

"Phone Call From Perry Miller" by J.B. North
"Aids to the Publication Process" by N.D. Meyer
"Novice Expert Review Team Meeting" by E.K. Michael
"New Output Processor: Dot Directive" by W.L. Bass
"Ongoing Journal Evolution: Major Issues" by M.D. Kudlick
"Note to Col. John Perry, ARPA re: JCN PR Visit" by J.C. Norton
"Phone Call From Perry Miller, MIT, Re SUR ..." by J.B. North,
"Proposal for Research No. ISU-73-5 ..." by J.C. Norton,
  Message from J.C. Norton   4a

EXAMPLES OF FIRST LEVEL VIEWS (Viewspecs: xby)   5

"Phone Call From Perry Miller" by J.B. North   5a

"Aids to the Publication Process" by N.D. Meyer   5b

"Novice Expert Review Team Meeting" by E.K. Michael   5c

"New Output Processor: Dot Directive" by W.L. Bass   5d

"Ongoing Journal Evolution: Major Issues" by M.D. Kudlick   5e

"Note to Col. John Perry, ARPA re: JCN PR Visit" by J.C. Norton   5f

"Phone Call From Perry Miller, MIT, Re SUR ..." by J.B. North,   5g

"Proposal for Research No. ISU-73-5 ..." by J.C. Norton,   5h

  Message from J.C. Norton   5i

EXAMPLES OF FIRST LEVEL VIEWS (Viewspecs: xbry)   6

"Phone Call From Perry Miller" by J.B. North
    and R.W.Watson, M.D.Kudlick 5/23/73 10:32 (18888,1:w)   6a

"Aids to the Publication Process" by N.D. Meyer
    31-MAY-73 19:31 (16942,1:w)   6b

"Novice Expert Review Team Meeting" by E.K. Michael
31-MAY-73 10:55   (16923,1:w)   6c

"New Output Processor: Dot Directive" by W.L. Bass
31-MAY-73 15:37   (16934,1:w)   6d

"Ongoing Journal Evolution: Major Issues" by M.D. Kudlick
4-APR-73 17:52   (15494,1:w)   6e

"Note to Col. John Perry, ARPA re: JCN PR Visit" by J.C. Norton
5-MAY-73 21:44   (16302,1:w)   6f

"Phone Call From Perry Miller, MIT, Re SUR ..." by J.B. North,
and R.W.Watson, M.D.Kudlick, P.Rech   5/23/73 10:32   (18888,1:w)   6g

"Proposal for Research No. ISU-73-5 ..." by J.C. Norton,
and R.W. Watson   30-MAR-73 18:37   (14946,1:w)   6h

Message from J.C. Norton
8-FEB-73 21:00   (14363,)   6i

EXAMPLES OF FULL CITATIONS (Viewspecs: wy)   7

"Note to Col. John Perry, ARPA re: JCN PR Visit" by J.C. Norton
5-MAY-73 21:44   (16302,1:w)   7a

"Ongoing Journal Evolution: Major Issues" by M.D. Kudlick
4-APR-73 17:52   (15494,1:w)   7b

"Aids to the Publication Process" by N.D. Meyer
31-MAY-73 19:31   (16942,1:w)   7c

"New Output Processor: Dot Directive" by W.L. Bass
31-MAY-73 15:37   (16934,1:w)   7d

"Novice Expert Review Team Meeting" by E.K. Michael
31-MAY-73 10:55   (16923,1:w)   7e

"Phone Call From Perry Miller" by J.B. North,
and R.W. Watson, M.D. Kudlick   5/23/73 10:32   (18888,1:w)   7f

"Phone Call From Perry Miller, MIT, Re SUR ..." by J.B. North,
and R.W. Watson, M.D. Kudlick, P. Rech   5/23/73 10:32
(18888,1:w)   7g

Comments: We promised to call him back early next week.   7g1

References: (xxxxx,), (yyyyy,)   7g2

Full title: "Phone Call From Perry Miller, MIT, Re SUR
Bibliographic Work"   7g3

"Proposal for Research No. ISU-73-5 ..." by J.C. Norton,
   and R.W. Watson   30-MAR-73 18:37 (14946,1:w)   7h

   Obsoletes document: (14946,)   7h1

   Updates document: (14946,)   7h2

   Full title: "Proposal for Research No. ISU-73-5 -- WORKSHOP
   UTILITY SERVICE FOR ARPA AND IPT CONTRACTOR USE OF KNOWLEDGE
   WORKSHOP TECHNOLOGY"   7h3

Message from J.C. Norton
   8-FEB-73 21:00 (14363,)   7i

   Reply to: (14339,)   7i1

   Message: Comments on Your Weekly Analysis Report

   Beau: Your Journal document (14339,) is an excellent piece of
   work. It is readable, well organized and really gives the kind
   of summary view we wanted. Thanks for the good effort. I have
   the feeling that the format has stabilized for the present. If
   RADC or PR need added features we can certainly consider them,
   but should discuss before implementing. I think what you now
   have will satisfy most of the needs expressed so far.. You sure
   seem to have it under control. How is the clerical part of the
   process working? Can you keep up with it? Can TNLS be used...
   insert sequential to help with the load?

                                                                      7i2

ALTERNATE PRESENTATIONS OF FULL CITATIONS (Viewspecs: wy)   8

   Norton, J.C.: "Note to Col. John Perry, ARPA re: JCN PR Visit"
      5-MAY-73 21:44 (16302,1:w)   8a

   Kudlick, M.D.: "Ongoing Journal Evolution: Major Issues"
      4-APR-73 17:52 (15494,1:w)   8b

   Meyer, N.D.: "Aids to the Publication Process"
      31-MAY-73 19:31 (16942,1:w)   8c

   Bass, W.L.: "New Output Processor: Dot Directive"
      31-MAY-73 15:37 (16934,1:w)   8d

   Michael, E.K.: "Novice Expert Review Team Meeting"
      31-MAY-73 10:55 (16923,1:w)   8e

North, J.B. et al: "Phone Call From Perry Miller "
    5/23/73 10:32   (18888,1:w)   8f

    Other authors: R.W.Watson, M.D.Kudlick, P.Rech   8f1

North, J.B. et al: "Phone Call From Perry Miller, MIT, Re SUR
...",
    5/23/73 10:32   (18888,1:w)   8g

    Other authors: R.W.Watson, M.D.Kudlick, P.Rech   8g1

    Comments: We promised to call him back early next week.   8g2

    References: (xxxxx,), (yyyyy,)   8g3

    Full title: "Phone Call From Perry Miller, MIT, Re SUR
    Bibliographic Work"   8g4

Norton, J.C. et al: "Proposal for Research No. ISU-73-5 ..."
    30-MAR-73 18:37   (14946,1:w)   8h

    Other authors: R.W.Watson   8h1

    Obsoletes document: (14946,)   8h2

    Updates document: (14946,)   8h3

    Full title: "Proposal for Research No. ISU-73-5 -- WORKSHOP
    UTILITY SERVICE FOR ARPA AND IPT CONTRACTOR USE OF KNOWLEDGE
    WORKSHOP TECHNOLOGY"   8h4

Norton, J.C.: Message
    8-FEB-73 21:00   (14363,)   8i

    Reply to: (14339,)   8i1

    Message: Comments on Your Weekly Analysis Report

    Beau: Your Journal document (14339,) is an excellent piece of
    work. It is readable, well organized and really gives the kind
    of summary view we wanted. Thanks for the good effort. I have
    the feeling that the format has stabilized for the present. If
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    seem to have it under control. How is the clerical part of the
    process working? Can you keep up with it? Can TNLS be used...
    insert sequential to help with the load?

                                                                   8i2

Donald C. (Smokey) Wallace, Richard W. Watson, Don I. Andrews,   1a
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, Augmentation Research Handbook, Kirk E.
Kelley, N. Dean Meyer, Kay F. Byrd, James E. (Jim) White, Diane S.
Kaye, Paul Rech, Michael D. Kudlick, Ferg R. Ferguson, Linda L. Lane,
Marilyn F. Auerbach, Walt Bass, 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,
William H. Paxton, Jeffrey C. Peters, Jake Ratliff, Edwin K. Van De
Riet, Dirk H. Van Nouhuys, Kenneth E. (Ken) Victor   1b

This note is in response to RFC #510. I have indicated ALL prefered
modes of journal mail delivery for each member of the "BBN-NET"
group, where
Online means available in the Journal Branch of the owner's initial
file at the NIC
Hardcopy means delivery through the US mail
USERNAME means delivery through FTP mail to the given username at
BBN-TENEX.

Regards, Alex McKenzie   1

   WBB   Ben Barker   1a

      Hardcopy
      BARKER   1a1

   PMWB Peter Bliss   1b

      PMWBLISS   1b1

   RDB2 Bob Bressler   1c

      Online
      BRESSLER   1c1

   BPC   Bernie Cosell   1d

      Online
      Hardcopy
      COSELL   1d1

   WRC   Will Crowther   1e

      Online   1e1

   FEH   Frank Heart   1f

      HEART   1f1

   MFK   Mike Kraley   DELETE THIS USER FROM THE NIC   1g

   JBL   Joel Levin   1h

      Online
      LEVIN   1h1

   AAM   Alex McKenzie   1i

      Online   1i1

Response to RFC 510

JBM	Julie Moore	1j
	Hardcopy	1j1
NJN	Nancy Neigus	1k
	Online NEIGUS	1k1
DCW3	Dave Walden	1l
	WALDEN	1l1

Visit Log: Peter Kirstein, Univ of London, 31-May-73

Introduction

1

These notes are the record of a visit to SRI-ARC by Peter Kirstein
of the University of London, on May 31, 1973. Please refer to
(DCE --IJOURNAL,16807,1:w) for background information.

1a

Being in London (at the Institute of Computer Sciences), Peter is
very much interested in the problem of facsimile transmission of
documents via the Network. ESPECIALLY IMPORTANT IS THE PROBLEM OF
OBTAINING DOCUMENTS THAT ARE NOT IN MACHINE READABLE FORM.

1b

London Site Specs (rough)

2

There will be one TIP for all of Great Britain, initially. It is
to be operational around the end of June 1973. They expect a few
hundred users within a year after they come up. Some will be
local at London, most will be remote via switched telephone lines.
Initially they plan 5 or 6 leased lines, six or so local
terminals, five 300-baud dial-up lines, and three high-speed
lines. They will be connected to the ARPA Net via Norway.

2a

Peter's place will act as a mini-NIC for the rest of the country.
He would like to be able to get whole or partial documents from
the US (and other locations) as expeditiously as possible.
Especially manuals, and other resource type of information.

2b

Current Facsimile Inadequacies

3

Current fax equipment requires 4 to 6 minutes per page of
transmission, and is done with analogue equipment at each end of
the transmission line. This equipment must be synchronized
throughout the transmission. Bandwidth requirements are about 800
points per line, 100 scan lines per inch, or about 1 megabit per
page. This effectively rules out use of packet switching
technology and digital transmission mode.

3a

Current Plans for Desired Facsimile Equipment

4

What is desired is equipment that scans and transmits one line (or
a group of lines) at a time, and does data compression on the fly.

4a

The data compression could reduce the number of bits per page
by a factor of 5 or 10. The line-at-a-time mode would require
the addition of codes for beginning of line and end of line,
codes which currently do not exist for fax transmission.

4a1

Peter is interested in getting protoype equipment built --- two
devices, one to use locally at London, one perhaps to use at the
NIC here. He will discuss this further with DCE.

4b

Visit Log: Peter Kirstein, Univ of London, 31-May-73

He is attempting to remain familiar with other related work ---
such as that of Xerox, of Bill Pratt (WKP at Univ of Southern
California's Elec Engr Dept), the LDX printer --- because he does
not want to be incompatible with any that would be promising for
future network facsimile use. Therefore he is in periodic touch
with these developments. Before returning from his current trip,
he will stop by Xerox PARC (Bob Metcalf) to try to determine what
plans they have for digital transmission (xerox drum currently
transmits analogue only).   4c

Alternatives   5

One of the hindering factors to using special TERMINAL equipment
(such as MTST and the like) that produces machine readable
information is the cost of such special equipment on the Euopean
market. Teletype cost is about one-half a secretary's salary,
fancier equipment exceeds a secretary's salary often by more than
a factor of two. Also, a reluctance to use "gadgetry" by
secretary types hinders introduction of new equipment.   5a

Other Needs at London   6

Peter would like a NIC training course --- to include NIC usage,
TIP usage, FTP and general network usage, NLS usage, and to last
probably one week --- to be given to his people at London,
sometime in the Fall.   6a

He recognizes the funding problem involved, has no immediate
solution of course. But he did mention that around the 10th
through 15th of September there is to be a "Brighton Summer
Course on Networks" to be given by LGR, REK2, others, in
London. If we went to it, or participated in it, then the
following week at the U of London would be satisfactory to him.
Otherwise later in October.   6a1

I told him to discuss this with DCE further.   6b

Other topics discussed   7

Peter was interested in what our plans were for the NIC's future. 7a

I mentioned the desire to have two classes of service ---
"free" and "costed".   7a1

I also discussed briefly these things: 7a2

- the need and expected proposal to ARPA for an expanded
hard-copy library;   7a2a

Visit Log: Peter Kirstein, Univ of London, 31-May-73

.

       - the need for a hot-line to the NIC for on-line
question-answers;   7a2b

       - the need for more comprehensive document indexing
capabilities;   7a2c

       - JEW's work on getting Network Journal submission,
delivery, and readmail facilities through the FTP mechanism;   7a2d

       - our COM work (gave him a copy of a document that had been
produced that way);   7a2e

       - shared screen work with implications for a type of
"teleconferencing";   7a2f

       - bootstrap community concepts, with emphasis on the
Utility;   7a2g

I suggested that he discuss these things further with DCE when
they get together in NYC.   7b

Douglas C. Engelbart, James C. Norton, Richard W. Watson,   1a

NICPSO

See (NICPSO,) from Susan Lee.   1

Substitute across files: per (MJournal,16246,)

As requested in (MJournal, 16233,), I have written a user program
that will execute the substitute command on a list of links. It is
called SUBLIST. The syntax is just like the substitute command,
except that instead of bugging a statement/branch/group/plex, one
bugs a group. All links in the bugged group (including its
substructure, regardless of viewspecs) will be fed to the substtute
monster. Further comments in (user-progs, -contents,).   1

-- DAY #1 --

CREATING & PRINTING TEXT   1d2

ADDRESSING: statement numbers, names, "SID"'s, context   1d3

VIEWSPECS   1d4

-- DAY #3 --

3

NIC USAGE   3a

   "LOCATOR"   3a1

   NIC/QUERY

                                                                  3a2

OUTPUT TO HARDCOPY PRINTER   3b

   OUTPUT PROCESSOR - PGINATION GH   3b1

   SEDPRINT

                                                                  3b2

ADVANCED NLS CONCEPTS   3c

   USER CONTROL OPTIONS   3c1

      control characters   3c1a

      viewset package   3c1b

      cntrol markers, control selection

                                                                  3c1c

   CONTENT ANALYSIS   3c2

      pattern searches   3c2a

      user programs   3c2b

-- DAY #2 --

Outline for June 4-8 TNLS Course

(J17030) 4-JUN-73 21:21; Title: Author(s): Dirk H. Van Nouhuys/DVN;
Distribution: /; Sub-Collections: NIC SRI-ARC; Clerk: DVN;
Origin: <VANNOUHUYS>TNLS-CLASS-OUTLINE.NLS;4, 1-JUN-73 13:42 KIRK ;

Sites on ARPAnet

I have put together a very 'klugey' file that may supply some of the
data you requested from Jim Norton and RML. It is a very rough DRAFT
and can be found in <FEINLER>SITEIDENTS. You are welcome to load,
read, or copy the file. I did not send it to you through the journal
because I am reluctant to journalize a premature version of the
Hostname list.I hope this will be of some use to you.   Jake
Feinler, Resource Notebook Coordinator   1

In response to JCN's Request for Help for NSRDC.

This is a copy of the note I sent to Lieberman at NSRDC.   The
material is a mess but it was the best I could do on such short
notice.   PLEASE Norton — no more quickies.   I've had it after today
for awhile   Hope the paper is going well and you are enjoying the
meeting.   Bye.   JAKE

In response to JCN's Request for Help for NSRDC.

I have put together a very 'klugey' file that may supply some of the
data you requested from Jim Norton and RML. It is a very rough DRAFT
and can be found in <FEINLER>SITEIDENTS. You are welcome to load,
read, or copy the file. I did not send it to you through the journal
because I am reluctant to journalize a premature version of the
Hostname list. I hope this will be of some use to you.   Jake
Feinler, Resource Notebook Coordinator   1