Re: 26728, the need for a business plan

Dirk, I don't understand your message, because the term "business
plan" is not well-defined.   1

Re: 26728, the need for a business plan

33727 Distribution
   Dirk H. Van Nouhuys,

```
TXT     TXT     TXT     TXT     TXT     TXT     TXT     TXT     TXT     TXT     TXT     TX
   TXT     TXT     TXT     TXT     TXT     TXT     TXT     TXT     TXT     TXT     TXT     T
   TXT     TXT     TXT     TXT     TXT     TXT     TXT     TXT     TXT     TXT     TXT
-OCT-75LPT      23-OCT-75LPT      23-OCT-75LPT      23-OCT-75LPT      23-OCT-75LPT      2
-75LPT      23-OCT-75LPT      23-OCT-75LPT      23-OCT-75LPT      23-OCT-75LPT      23-OC
PT      23-OCT-75LPT      23-OCT-75LPT      23-OCT-75LPT      23-OCT-75LPT      23-OCT-75
```

Any Action on DDPCS at the KWAC Meeting?

I sent essentially this journal item earlier but it seems never to have arrived,

Any Action on DDPCS at the KWAC Meeting?

Doug, in planning for Nucleation Activity, Norm and I would like to know what if anything happend at the KWAC meeting with respect to Duane's proposal for a Text Processing Data Base and about anything else giving a lead toward the Nucleation activity being a paid-for going thing.   1

Any Action on DDPCS at the KWAC Meeting?

(J33728)   22-OCT-75 17:18;;;;   Title: Author(s): Dirk H. Van
Nouhuys/DVN; Distribution: /KLM([ACTION] not for the docplan
notebook, but please give copies toNorm and Dave) DCE([ACTION]) DRB(
[INFO-ONLY]) NRN([INFO-ONLY]) DLS([INFO-ONLY]) ;
Sub-Collections: SRI-ARC; Clerk: DVN;

33728 Distribution
Kathey L. Mabrey, Douglas C. Engelbart, David R. Brown, Norman R. Nielsen, Duane L. Stone,

Public Messages Send by Bell-Canada, First Six Months 1975

(BEDFORD)FILE JULY15- rough final outline of SPRITE
30 Jun 75   32876   Bedford
   (32876,1:wznC)   1

(BEDFORD)Thanking JCN and BOBM for their help with MIKE's
MAY15,NLS;12 problems.   27 Jun 75   32852   Bedford
   (32852,1:wznC)   2

(BEDFORD)reminder that I need help with a BAD FILE
<bedford>may15,nls;12   22 Jun 75   32799
Bedford
   (32799,1:wznC)   3

(BEDFORD)proposed summary and synopsis of 'Trends in Teleconferencing
and Computer-Augmented 20 Jun 75   32792   Bedford
   (32792,1:wznC)   4

(BEDFORD)text of DMA's thoughts from 4:00 am, to 7:30 am, this
morning   12 Jun 75   32736   Bedford
   (32736,1:wznC)   5

(BEDFORD)Under what sign was Office-1 conceived ? (Sandy's interest
in astrology and other   10 Jun 75   32720   Bedford
   (32720,1:wznC)   6

(BEDFORD)Ben Ho's reaction to Turoff proposal for research in '75,
6 Jun 75   32685   Bedford
   (32685,1:wznC)   7

(BEDFORD)J, Bhatt (bnr- 7F41) will be here in late june to talk SL/1
and its applications in   5 Jun 75   32676   Bedford
   (32676,1:wznC)   8

(BEDFORD)this is a demo of the journal syste
29 May 75   32619   Bedford
   (32619,1:wznC)   9

(BEDFORD)response to JCN request for further details of proposed BPG
NLS-based info.   9 May 75   32461   Bedford
   (32461,1:wznC)   10

(BEDFORD)text of a message from Hardy to Bedford re lineprocessor
probs,   8 May 75   32456   Bedford
   (32456,1:wznC)   11

(BEDFORD)MIKE response to GAS2 questionnaire on computer conferencing
ptot'1, at ARC   6 May 75   32437   Bedford
   (32437,1:wznC)   12

Public Messages Send by Bell-Canada, First Six Months 1975

Public Messages Send by Bell-Canada, First Six Months 1975

29 Mar 75   32215   Bedford
    (32215,1:wznC)   25

(BEDFORD)Comments on Entertainment by Question No, (000 thru 059)
29 Mar 75   32214   Bedford
    (32214,1:wznC)   26

(BEDFORD)draft of letter to Meagher with third cheque
28 Mar 75   32211   Bedford
    (32211,1:wznC)   27

(BEDFORD)MIKE response to GEC qeustionnaire on NLS
28 Mar 75   32208   Bedford
    (32208,1:wznC)   28

(BEDFORD)further notes on the MRI Solar Energy T,A, questionnaire
19 Mar 75   32150   Bedford
    (32150,1:wznC)   29

(BEDFORD)update of reviw of MRI Delphi on Solar Energy
20 Mar 75   32132   Bedford
    (32132,1:wznC)   30

(BEDFORD)confirmation letter to Turoff re MDS visit
18 Mar 75   32118   Bedford
    (32118,1:wznC)   31

(BEDFORD)summary of MIKE visit to Weyerhauser Inc,
14 Mar 75   32093   Bedford
    (32093,1:wznC)   32

(BEDFORD)
11 Mar 75   32029   Bedford
    (32029,1:wznC)   33

(BEDFORD)quick review of MIR Solar Energy T,A, questionnaire
11 Mar 75   32028   Bedford
    (32028,1:wznC)   34

(BEDFORD)response to Hickling-Johnston for SPRITE info
11 Mar 75   32027   Bedford
    (32027,1:wznC)   35

(BEDFORD)A Process Commands Branch for moving messages, reformatting
them, and sorting them   8 Mar 75   32004   Bedford
    (32004,1:wznC)   36

(BEDFORD)sort2-fancy dump

Public Messages Send by Bell-Canada, First Six Months 1975


```
20 Feb 75   31889    Bedford
   (31889,1:wznC)                                                  37

(BEDFORD)sort-quest-num dump
20 Feb 75   31887    Bedford
   (31887,1:wznC)                                                  38

(BEDFORD)sort-refd-grp dump
20 Feb 75   31886    Bedford
   (31886,1:wznC)                                                  39

(BEDFORD)sort-refng-grp dump
20 Feb 75   31885    Bedford
   (31885,1:wznC)                                                  40

(BEDFORD)sort-panel-num dump
20 Feb 75   31884    Bedford
   (31884,1:wznC)                                                  41

(BEDFORD)this is a test of the sendmail system
12 Feb 75   31853    Bedford
   (31853,1:wznC)                                                  42

(BEDFORD)slide presentation of MIKE for conference (March 10-11,
1975, right ?)              30 Jan 75   31750    Bedford
   (31750,1:wznC)                                                  43

(BEDFORD)draft of a letter to speakers inviting them to Tues, supper
30 Jan 75   31749    Bedford
   (31749,1:wznC)                                                  44

(BEDFORD)Follow up on KSH for info, re a U,S, mail-order house having
difficulties that          30 Jan 75   31746    Bedford
   (31746,1:wznC)                                                  45

(BEDFORD)outline of my SPRITE talk for T,A, conference
21 Jan 75   31676    Bedford
   (31676,1:wznC)                                                  46

(BEDFORD)update on next week's meeting between Sears, AT&T, and MIKE,
including note on          17 Jan 75   31656    Bedford
   (31656,1:wznC)                                                  47

(BEDFORD)resend of a Mattiuz-Norton sndmess re a new Bell directory
9 Dec 75    31598    Bedford
   (31598,1:wznC)                                                  48

(BEDFORD)summary of MIKE request for info, re Dvorak keyboard
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Public Messages Send by Bell-Canada, First Six Months 1975

simulation   9 Dec 75   31597   Bedford
    (31597,1:wznC)   49

(BEDFORD)note on a phone call from Dep't, of H&W Delphi guy,
7 Jan 75   31582   Bedford
    (31582,1:wznC)   50

(BEDFORD)statement to the houranl system
3 Jan 75   31568   Bedford
    (31568,1:wznC)   51

(DAY)Airlie House Report
32540   Day
    (32540,1:wznC)   52

(DAY)the abstract
2 Mar 75   31931   Day
    (31931,1:wznC)   53

(DAY)test
2 Mar 75   31930   Day
    (31930,1:wznC)   54

(DAY)abstract,,,try one more time!!!
31929   Day
    (31929,1:wznC)   55

(EDWARDS)
32505   Edwards
    (32505,1:wznC)   56

(EDWARDS)User Questionaire on NLS
32117   Edwards
    (32117,1:wznC)   57

(FELDMAN)quest
19 Mar 75   32124   Feldman
    (32124,1:wznC)   58

(KOLLEN)ident problem
9 Jun 75   32711   Kollen
    (32711,1:wznC)   59

(KOLLEN)Practice Message
9 Jun 75   32706   Kollen
    (32706,1:wznC)   60

(MATTIUZ)Journal demo

Public Messages Send by Bell-Canada, First Six Months 1975

28 Jun 75   32853   Mattiuz
   (32853,1:wznC)   61

(MATTIUZ)COMPUTER CONFERENCING: AN OVERVIEW
32785   Mattiuz
   (32785,1:wznC)   62

(MATTIUZ)FUTURE OPPORTUNITIES IN TELECOMUNICATIONS
32784   Mattiuz
   (32784,1:wznC)   63

(MATTIUZ)TELECONFERENCING
22 Apr 75   32773   Mattiuz
   (32773,1:wznC)   64

(MATTIUZ)TELECONFERENCING
13 May 75   32772   Mattiuz
   (32772,1:wznC)   65

(MATTIUZ)Delete modifications command in 'process commands branch'
16 Jun 75   32754   Mattiuz
   (32754,1:wznC)   66

(MATTIUZ)WFS
32647   Mattiuz
   (32647,1:wznC)   67

(MATTIUZ)
9 Apr 75   32276   Mattiuz
   (32276,1:wznC)   68

(MATTIUZ)
5 Apr 75   32259   Mattiuz
   (32259,1:wznC)   69

(MEADE)this is sections bcef
11 Apr 75   32290   Meade
   (32290,1:wznC)   70

(NAPKE)napke,home,telephone,telivision
21 Mar 75   32159   Napke
   (32159,1:wznC)   71

(NAPKE)hello
14 Jan 75   31633   Napke
   (31633,1:wznC)   72

(NAPKE)hello

Public Messages Send by Bell-Canada, First Six Months 1975


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14 Jan 75    31632      Napke
   (31632,1:wznC)                                              73

(NAPKE)hello
14 Jan 75    31631      Napke
   (31631,1:wznC)                                              74

(NAPKE)Info-Retrieval System
31580     Napke
   (31580,1:wznC)                                              75

(NAPKE)testing
31579     Napke
   (31579,1:wznC)                                              76

(NAPKE)
31578     Napke
   (31578,1:wznC)                                              77

(NARDI)class
10 Jun 75    32717      Nardi
   (32717,1:wznC)                                              78
```

Public Messages Send by Bell-Canada, First Six Months 1975

(J33729) 22-OCT-75 21:41;;;;   Title: Author(s): Raymond R,
Panko/RA3Y; Distribution: /GCE([ACTION]) PAN([INFO-ONLY]) ;
Sub-Collections: SRI-ARC; Clerk: RA3Y;   Origin: < PANKO,
BELLPUB,NLS;3, >, 22-OCT-75 21:38 RA3Y ;;;;####;

33729 Distribution
    Gwen C. Edwards, Penny A. Napke,

I will be in Santa Barbara again

My father will be going in for another operation, and I will again be
at (805) 962-9657. Feel free to call me there.   1

I will be in Santa Barbara again

(J33730)   22-OCT-75 21:43;;;;   Title: Author(s): Raymond R.
Panko/RA3Y; Distribution: /SRI-ARC([ACTION]) GCE([ACTION]) ;
Sub-Collections: SRI-ARC; Clerk: RA3Y;

33730 Distribution

Douglas C. Engelbart, Martin E. Hardy, J. D. Hopper, Charles H. Irby,
Harvey G. Lehtman, James C. Norton, Jeffrey C. Peters, Dirk H. Van
Nouhuys, Kenneth E. (Ken) Victor, Richard W. Watson, Don I. Andrews,
Gwen C. Edwards,
Israel A. Torres, Jan H. Kremers, Susan K. Ocken, Raphael Rom, David
C. Smith, Buddie J. Pine, Andy Poggio, David L. Retz, Laura J.
Metzger, Karolyn J. Martin, Jan A. Cornish, Larry L. Garlick,
Priscilla A. Wold, Pamela K. Allen, Delorse M. Brooks, Beverly Boli,
Rita Hysmith, Log Augmentation, Raymond R. Panko, Susan Gail Roetter,
Robert Louis Belleville, Ann Weinberg, Adrian C. McGinnis, Robert S.
Ratner, David S. Maynard, Robert N. Lieberman, Sandy L. Johnson,
James H. Bair, Jeanne M. Leavitt, Rodney A. Bondurant, Jeanne M.
Beck, Marcia L. Keeney, Elizabeth K. Michael, Jonathan B. Postel,
Elizabeth J. Feinler, Kirk E. Kelley, N. Dean Meyer, James E. (Jim)
White

Henle

I found the Henle, Paul book Language, Thought and Culture (AnnArbor
Paperbacks, 1958). With the mail strike on, how do I get it to you?   1

Henle

(J33731)   23-OCT-75 07:32;;;;   Title: Author(s): Raymond R,
Panko/RA3Y; Distribution: /GCE([ACTION]) ; Sub-Collections:
SRI-ARC; Clerk: RA3Y;

33731 Distribution
   Gwen C, Edwards,

menu file

menu file

(J33732)   23-OCT-75 07:44;;;;   Title: Author(s): Douglas R,
Weeks/DRW; Distribution: /RH([ACTION]) CAM2([ACTION]) CAM2([
INFO-ONLY]) ; Sub-Collections: NIC; Clerk: DRW;   Origin: <
WEEKS, MENU.NLS;2, >, 23-OCT-75 07:31 DRW ;;;;####;

33732 Distribution
   Rita Hysmith, Carol Ann Mahoney, Carol Ann Mahoney,

Associative Processor Application Study

HISTORY   1

On 9 September, we sent a letter to the AWACS SPO requesting
support to the Associative Processor Application Study to complete
the coordinate conversion and RDC efforts.   1a

About a week or 10 days ago Jim Previte called the SPO. In the
meantime Harry Richter has changed jobs and Col Conley took over
as Deputy SPO Director. Jim talked to the Col, pointed out the
need to make a decision soon before the contract was up, and asked
if he could provide any additional info. The Col said no other
info was needed and his Engineering had the request and working
it.   1b

Today we received a letter dated 17 Oct in which Col Conley
indicated that funds will not be made available   1c

ANALYSIS   2

While the lack of support from the SPO is disappointing, it must
be remembered that the AWACS problem was selected as
representative of the type of problems in which the Associative
Processor could effectively be used. The intent was to
demonstrate the capability of the AP in handling these types of
problems, not to propose the use of the AP for the immediate AWACS
situation. We have already successfully shown the advantage of
the AP to a large extent. The followon was to complete the full
analysis.   2a

If the remaining tasks can not be added on to the BCS contract in
the near future, the basic contract will expire. This effort is
listed as the last priority in our overceiling program of 5597.
We believe that we have demostrated the applicability of the AP to
a large extent even if not to the full extent. With the other
demands for the limited resources, we do not think that we can
pursue the completion of this effort. Therefore we do not intend
to fund the completion of the efforts.   2b

This particular study must be concluded in a way that provides as
full a transfer as possible as to the results and conclusions of
the study. To do this we are considering such actions as: 2c

The BCS effort will be documented in a technical report.
Likewise the in-house efforts of Summers will be published in a
tech report. The report is in final form and should go to the
TR Unit in the next week.   2c1

We will consider the posssibility of extracting certain

Associative Processor Application Study

information of the two efforts in a short summary report with
the major conclusions.   2c2

You have asked previously about reporting to the SAB on our
efforts. The combined results of the two studies may be
appropriate to provide the SAB either in presentation or
written form.   2c3

We should consider the use of suitable symposiums and
conferences in which to submit a paper or two providing the
results. Especially we must consider Government type meetings.   2c4

We should make certain that the results are again presented in
their final form to the AWACS SPO.   2c5

There is some possibility that the present efforts yet to be
accomplished by Jan (over and above those we asked for assistance
in the letter to the SPO) may need some extra cash in order to be
completed. Perhaps as high as $10K. If this situation ocurs, we
will examine the benefits to be derived versus the cost in light
of the latest communications on this matter. At this time we do
not know what we will do, since we haven't had a chance to get all
the facts.   2d

The wrap up of this AP study may take some time. However, when
it is completed, it will allow us to spend more time in the AP
applications such as SACWARDANS, AMOS, etc. We believe we need
more attention to these on-going efforts in order to assure an
effective technology transfer of the AP.   2e

SUSPENSE   3

We consider this a reply to clear suspense in your list of 20
Oct.   3a

Associative Processor Application Study

(J33733) 23-OCT-75 07:57;;;;   Title: Author(s): Francis J.
Hilbing/FJH; Distribution: /RDK([ACTION]) DRL2([INFO-ONLY]) FJH(
[INFO-ONLY]) ; Sub-Collections: NIC; Clerk: FJH;   Origin: <
HILBING, E3,NLS;5, >, 23-OCT-75 07:22 FJH ;;;;####;

33733 Distribution
    Robert D. Krutz, Daniel R. Loreto, Francis J. Hilbing,

Associative Processor Application Study - Retransmittal

 I am retransmitting the file to see if I can get it formatted
better.

Associative Processor Application Study - Retransmittal

HISTORY   1

  On 9 September, we sent a letter to the AWACS SPO requesting
  support to the Associative Processor Application Study to complete
  the coordinate conversion and RDC efforts.   1a

  About a week or 10 days ago Jim Previte called the SPO. In the
  meantime Harry Richter has changed jobs and Col Conley took over
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  need to make a decision soon before the contract was up, and asked
  if he could provide any additional info. The Col said no other
  info was needed and his Engineering had the request and working
  it.   1b

  Today we received a letter dated 17 Oct in which Col Conley
  indicated that funds will not be made available   1c

ANALYSIS   2

  While the lack of support from the SPO is disappointing, it must
  be remembered that the AWACS problem was selected as
  representative of the type of problems in which the Associative
  Processor could effectively be used. The intent was to
  demonstrate the capability of the AP in handling these types of
  problems, not to propose the use of the AP for the immediate AWACS
  situation. We have already successfully shown the advantage of
  the AP to a large extent. The followon was to complete the full
  analysis.   2a

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  the near future, the basic contract will expire. This effort is
  listed as the last priority in our overceiling program of 5597.
  We believe that we have demostrated the applicability of the AP to
  a large extent even if not to the full extent. With the other
  demands for the limited resources, we do not think that we can
  pursue the completion of this effort. Therefore we do not intend
  to fund the completion of the efforts.   2b

  This particular study must be concluded in a way that provides as
  full a transfer as possible as to the results and conclusions of
  the study. To do this we are considering such actions as: 2c

    The BCS effort will be documented in a technical report.
    Likewise the in-house efforts of Summers will be published in a
    tech report. The report is in final form and should go to the
    TR Unit in the next week.   2c1

    We will consider the posssibility of extracting certain

1

Associative Processor Application Study - Retransmittal

information of the two efforts in a short summary report with
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accomplished by Jan (over and above those we asked for assistance
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it is completed, it will allow us to spend more time in the AP
applications such as SACWARDANS, AMOS, etc. We believe we need
more attention to these on-going efforts in order to assure an
effective technology transfer of the AP.   2e

SUSPENSE   3

We consider this a reply to clear suspense in your list of 20
Oct.   3a

Associative Processor Application Study - Retransmittal

(J33734) 23-OCT-75 09:35;;;;   Title: Author(s): Francis J.
Hilbing/FJH; Distribution: /RDK([ACTION]) DRL2([INFO-ONLY]) FJH(
[INFO-ONLY]) ; Sub-Collections: NIC; Clerk: FJH;   Origin: <
HILBING, E3,NLS;5, >, 23-OCT-75 07:22 FJH ;;;;####;

33734 Distribution
  Robert D. Krutz, Daniel R. Loreto, Francis J. Hilbing,

Problem trying to make an application in (33201,) work

A RADC user is trying to use the application of Output Journal and
Print Journal described in the ETS Application Description; neither
they nor I could make it work, ...jeanne b.

Problem trying to make an application in (33201,) work

When I was at RADC on Oct 8, Ed told me that he could not make a
particular application in the ETS Applicaton Description (33201,)
work, We tried it together while I was there and couldn't make it
work, I tried it again on October 23 as described here,   1

The application we attempted was to use the Output Journal quickprint
File and Print Journal commands to print the files contained in a
list of citations of the type found in a Journal branch,   2

First I copy here the instructions from <33201,3d6b>:   3

   Links to Abstracts or Document Data Bases   3a

      Once the citation list is established, links can be added as
      substructure to each of the citations which will eliminate the
      need to duplicate the list and make the list into a "locator"
      to the larger text items, Thus, searches may be refined by
      searching the citations, then linking to the abstract and then
      to the entire document if it is online,   3a1

      A special application of the Journal Quickprint or Print
      Journal commands may used if the links are of the form:
      Location: <LINK>
      The list of citations will have to be subsumed under a branch
      named JOURNAL, The commands will then cause the system to read
      every citation in the branch (as it would the sendmail Journal
      branch), take the link and print out the abstract/document, and
      return to the next citation and continue the process, Each
      citation is printed followed by a header:
      <<<<<<<<<<<<<Text of Cited Document Follows>>>>>>>>,
         The pseudo Journal branch may be set up at any time a subset
      of the documents is desired,   3a2

According to my interpretation of those instructions, I then created
a file containing the following branch named Journal: 4

(journal) Citations: 5

   Here is an abstract:
   Location: <beck,abstract,>   5a

   Here is a menu:
   Location: <beck,menu,>   5b

While located in that file, I gave the Output Journal (quickprint)
File command (to make a text file that could be Sendprinted to RADC's
printer; this is how those users print files), When I read the
resulting file, it was formatted in the expected way, but there were
blanks where the cited files should have printed, Then I gave the

Problem trying to make an application in (33201,) work

Print Journal command in TNLS while in the file, but it did even
less: the branch was simply printed as it stood in the file,   6

How do we make this work? Please advise JMB and EJK and ELF.   7

Problem trying to make an application in (33201,) work

(J33735) 23-OCT-75 12:31;;;;   Title: Author(s): Jeanne M. Beck/JMB;
Distribution: /FEEDBACK([ACTION]) JHB([ACTION]) DAP([ACTION]
) EJK([INFO-ONLY]) ELF([INFO-ONLY]) ARC-ADG([INFO-ONLY]) ;
Sub-Collections: SRI-ARC FEEDBACK ARC-ADG; Clerk: JMB;   Origin:
< BECK, OJQFTEST.NLS;2, >, 23-OCT-75 10:24 JMB ;;;;####;

33735 Distribution
    Special Jhb Feedback, James H, Bair, David A, Potter, Edmund J,
    Kennedy, Edward F, LaForge, Jeanne M, Beck, Laura J, Metzger, James
    H, Bair,

Matching versions of WUC and NLS

Yes, the new version of WUC is for NLS 8.5. I thought everyone at
bbnb who was using wuc was also using 8.5. I'm sorry I didn't send
out a notice about the change, I have returned the old NLS 8
version, The NLS 8.5 version is in directory KKELLEY now,   1

Matching versions of WUC and NLS

(J33736)   23-OCT-75 18:13;;;;   Title: Author(s): Kirk E, Kelley/KIRK;
Distribution: /DAV([INFO-ONLY]) ; Sub-Collections: SRI-ARC; Clerk:
KIRK;

33736 Distribution
David C. Smith,

DPCS Support from RADC

please feel free to suggest others who could contribute to the
requirements analysis...my criteria is 'have they suffered through it
at least once'...also comments on that criteria?

DPCS Support from RADC

The purpose of this short note is to say that a concerted effort to
obtain decent funding for DPCS is being mounted by yours truly. I am
quite optimistic at this time...a couple of weeks should tell whether
my optimism is warrented. My time is highly fragmented, but I will
make every effort to get back to you in a week with a realistic
picture of the possibilities and problems from my end.   1

    The need for a SYSTEMATIC look at improving the Document
    Production and Control domain of NLS application has been
    demonstrated by projects at DSDC, DSC, SRI and RADC; which have
    strained the capabilities of NLS (to say nothing of the nerves of
    those trying to produce the documents). RADC will have additional
    need for a "smooth" DPCS within the context of building a
    prototype Language Control Facility. The KWAC community has (or
    will have) similar needs once they become actively involved in
    producing documentation through the medium of COM, photocomposers,
    and variable spacing terminals.   1a

    It seems an appropriate time to seek funding for a general
    overhaul of the Output Processor with associated changes in
    editing commands, viewspecs, etc. What seems to be required is to
    crystalize Dirk's wish list (33683,) (and others) into the form of
    a requirements document.   1b

        I feel such a requirements document should be driven by a model
        of how DP&C should be done. This model should be articulated
        by those who have used NLS to see a production job of decent
        size to completion and then made visible, circulated, updated
        etc. until the general DPCS community can agree in principle on
        its content. Dirk has provided a first cut at a model by
        categorizing his wish list into traditional classes,
        input-process-output. The process portion of the model needs
        further elaboration as does the contol of the whole processs.   1b1

    I will attempt to initiate such a document here. I would like to
    work closely with Dirk in its preparation. In parallel with this
    activity I will be seeking funding at RADC and when we have a
    decent requirements document, at other sites that may wish to
    contribute. I would expect that Dirk would be contractually
    supported in this effort, heavily in the requirements and design
    phases, less in the coding and debugging and heavily again in the
    testing and documentation phases. Since he is the DPCS community
    focal point and has on-site access to the people that will be
    doing the job, he is in the best position to keep tabs on it,
    answer questions from the community and provide status reports.   1c

Guidelines for thinking in the next week.   2

    My current thinking is loose and subject to reshaping by fund

DPCS Support from RADC

availability, procurement options, etc. I'm thinking in the time
frame of 6-8 months, to start in Nov, for some finished, visable,
useable product. This can be phase 1 of a multi-phased project,
but should have a demonstrable improvement running on Office-1,
("Running on Office-1" is a way that I can be assured of some
level of stability, documentation, support, etc. since this
implies that it will pass whatever criteria JCN has for offering
it as a part of the WUS)   2a

The level of effort is yet to be defined, but has an UPPER BOUNDRY
ranging from 100K to 300K during that time period, depending on
funding and procurement limitations. The possibilities and
pitfalls of using the existing NSW contract will be explored
during the next week, but initial indications are good.   2b

DPCS Support from RADC

(J33737) 23-OCT-75 18:15;;;;   Title: Author(s): Duane L. Stone/DLS;
Distribution: /DCE([INFO-ONLY]) RWW([INFO-ONLY]) JCN([
INFO-ONLY]) DVN([INFO-ONLY]) JLM([INFO-ONLY]) FJH([INFO-ONLY
]) FJT([INFO-ONLY]) ; Sub-Collections: RADC; Clerk: DLS;

33737 Distribution
Douglas C, Engelbart, Richard W, Watson, James C, Norton, Dirk H, Van
Nouhuys, John L, McNamara, Francis J, Hilbing, Frank J, Tomaini,

Including WUC

You seem to be suprised that you have WUC included as a user program,
I tried to make it clear to you when I included it what was
happening. If you don't want it available to you without explicitly
loading it, use the useroptions exclude command, See ya monday,   1

Including WUC

(J33738)   23-OCT-75 18:19;;;;   Title: Author(s): Kirk E. Kelley/KIRK;
Distribution: /DAV([INFO-ONLY]) ; Sub-Collections: SRI-ARC; Clerk:
KIRK;

33738 Distribution
David C. Smith,

Journal delivery bug

Something seems to be screwed up with journal delivery, Ann sent a
message at 15:58, I just tried to load it and I get "File Not
On-line ..." The file is 26741,   1

Journal delivery bug

(J33739)   23-OCT-75 18:26;;;;   Title: Author(s): Kirk E, Kelley/KIRK;
Distribution: /FEEDBACK([INFO-ONLY]) JDH([INFO-ONLY]) JCP([
INFO-ONLY]) ; Sub-Collections: SRI-ARC FEEDBACK; Clerk: KIRK;

33739 Distribution
    Special Jhb Feedback, J. D. Hopper, Jeffrey C. Peters,

Bechtel

Memorandum to: D. R. Scheuch   1

From: Dave Brown   2

Subject: Bechtel   3

cc: B. Cox, D. C. Engelbart   4

Pat Whiting-O'Keefe, Bob Belleville, and I visited Bechtel on October
9 to promote automation of technical document production. The men we
met, Rex Akins and Jacques Gasser were encouraging. They agreed to
visit us in late October or early November. They thought that SRI,
being an outside organization, might be more effective than they in
getting the cooperation of the different Bechtel divisions,
particularly if we had the support of the president of Bechtel,
George Shultz. They recommended that we contact Shultz directly for
his support.   5

Is there anyone at SRI who knows Mr. shultz, perhaps Charlie
Anderson? If there is, I would like to talk with him and then get in
touch with Shultz.   6

Bechtel

(J33740)   24-OCT-75 11:39;;;;   Title: Author(s): David R, Brown/DRB;
Distribution: /DOCPLAN([INFO-ONLY]) RLB2([INFO-ONLY]) ;
Sub-Collections: NIC DOCPLAN; Clerk: KLM;   Origin: < MABREY,
BECHTEL,NLS;2, >, 23-OCT-75 10:35 KLM ;;;;####;

33740 Distribution
Joseph L. Ehardt, Raymond R. Panko, James H. Bair, David R. Brown,
Glenn A. Sherwood, N. Dean Meyer, Kathey L. Mabrey, Norman R.
Nielsen, Thomas L. Humphrey, Robert Louis Belleville, Elizabeth K.
Michael, Richard W. Watson, James C. Norton, Robert N. Lieberman, Pat
Whiting O'Keefe, Douglas C. Engelbart, Dirk H. Van Nouhuys, Robert
Louis Belleville,

CONTACT REPORT   1

Company Name: Varian Associates Date of Visit: October 20, 1975   2

Division: Palo Alto Tube Division   Place of Visit: Palo Alto   3

Address: 611 Hansen Way, Palo Alto Telephone: 493-4000, ext 2234   4

Personnel Contacted: Frank Jean Title: Supervisor of Technical
Publications   Bob Hines   5

SRI Reporter: D. R. Brown   Other SRI: T. L. Humphrey   6

Action: T. L. Humphrey to draft letter to Don Rutledge, Vice
President, Administration.   7

Remarks: This is the fourth of a series of calls being made to
potential clients for work related to technical document production.
(The three organizations contacted previously were EPRI, PG&E, and
Bechtel.) The technical publications department includes 14 people,
including two editors, operators for two IBM executive typewriters
and two IBM composers, and four people in a photo lab located in
another building. The department provides service for all divisions
on the Palo Alto campus. Jean estimated the following breakdown for
users of his department: 8

        Palo Alto Tube Division   40 percent   9

        Instrument Group   5 percent   10

        Radiation   8 percent   11

        Vacuum   20 percent   12

        Solid State West   15 percent   13

        Corporate   1 percent   14

        Personnel and Public Relations   1 percent   15

About 90 percent of their work is new work. Their work includes
the following kinds of documents: 16

    Data sheets and brochures   17

    Operating and maintenance manuals   18

    Proposals   19

1

Contact Report - Varian

Contract Reports   20

Visual Aids (slides, viewgraphs, posters)   21

Technical illustrations other than those in publication,
including perspective drawings and artist renderings.   22

Jean's department is one of two technical publications
departments in Varian. The other one is in the Instrument Group.
However, Jean estimates that the number of people working on
documents in Varian is as follows: 23

Palo Alto Tube Division technical publications   14   24

Instrument Group technical publications   16   25

Forms control   2   26

Procedures   2   27

Personnel and Public Relations   4   28

Advertising   ?   29

Legal   6   30

Jean estimates his department handles about 12,000 pages per year.   31

Varian has two print shops, one for small jobs in Palo Alto and
the main print shop in San Carlos. Varian also makes use of outside
publication services and printers. Probably 20 to 30 percent of
Varian's work goes outside. One of the outside printers is National
Press.   32

The legal department has five tyypists and is presently looking
at, and may already have purchased, Lexitron or Linolex equipment.
For more information on the activities of the legal department, see
Maureen.   33

Jean works for Carl Doak.   34

Jean said that his department has a reputation for being
respponsive and turning out high-quality work. He uses outside
services to take care of peaks. He doesn't know about rush jobs like
proposals until the work arrives in his department. He has no
control over printing, since that is a responsibility of another part
of Varian. He explained that the different divisions of Varian are
quite autonomous and are quite free to set up their own technical
publications groups or use outside services. He believes that his

Contact Report - Varian

department is able to do an outstanding job in spite of obsolete
equipment and a meager capital equipment budget,   35

    If we want to pursue Varian further, Jean suggested that we
address ourselves to Don Rutledge, Vice President of Administration,   36

cc: DOCPLAN
     D, R, Scheuch
     Belleville   37

Contact Report - Varian

(J33741) 24-OCT-75 14:02;;;; Title: Author(s): David R, Brown/DRB;
Distribution: /DOCPLAN([INFO-ONLY]) RLB2([INFO-ONLY]) ;
Sub-Collections: NIC DOCPLAN; Clerk: KLM; Origin: < MABREY,
VARIAN,NLS;3, >, 24-OCT-75 13:59 KLM ;;;;####;

33741 Distribution

Joseph L. Ehardt, Raymond R. Panko, James H. Bair, David R. Brown, Glenn A. Sherwood, N. Dean Meyer, Kathey L. Mabrey, Norman R. Nielsen, Thomas L. Humphrey, Robert Louis Belleville, Elizabeth K. Michael, Richard W. Watson, James C. Norton, Robert N. Lieberman, Pat whiting O'Keefe, Douglas C. Engelbart, Dirk H. Van Nouhuys, Robert Louis Belleville,

Phone Contact by Miguel Tirado, Consultant with Caifornia Assembly
Rules Committee

Call today from Mr. Miguel Tirado, Consultant with the Assembly Rules
Committee in Sacramento. He says that they are working up an idea
for a "Center for Applied Research" in the Assembly, apparently to be
used to support the information processing and management involved in
legislative research. He had read the paper "Coordinated Information
Services for a Discipline- or Mission-Oriented Community" (12445,)
and it "struck a chord." He was interested in learning more about
ARC and the status of work discussed in the paper.   1

We agreed that I would provide him with a collection of literature;
he would pick it up this afternoon, look it over, and call me on
Monday or Tuesday of next week.   2

The literature provided for him: 3

   NLS-8 Glossary (16 Jul 75)   3a

   "Experimental Development of a Small Computer-Augmented
   Information System," (21453,) Dec 73   3b

   NLS-8 Command Summary (24831,) 16 May 75   3c

   Investment in Tomorrow, No, 14, Winter 75   3d

   A Seminar on the Augmented Knowledge Workshop (Brocuhre, and Nov
   75 announcement)   3e

   "A Special-Studies Support Center," (24758,), Proposal to NSF
   OSIS, 14 Dec 74   3f

Phone Contact by Miguel Tirado, Consultant with Caifornia Assembly
Rules Committee

(J33747) 24-OCT-75 14:43;;;;   Title: Author(s): Douglas C.
Engelbart/DCE; Distribution: /RLL([ACTION]) SRI-ARC([INFO-ONLY])
; Sub-Collections: SRI-ARC; Clerk: DCE;

33747 Distribution

N, Dean Meyer, James E, (Jim) White, Douglas C, Engelbart, Martin E,
Hardy, J, D, Hopper, Charles H, Irby, Harvey G, Lehtman, James C,
Norton, Jeffrey C, Peters, Dirk H, Van Nouhuys, Kenneth E, (Ken)
Victor, Richard W, Watson, Don I, Andrews,
Robert N, Lieberman, Israel A, Torres, Jan H, Kremers, Susan K,
Ocken, Raphael Rom, David C, Smith, Buddie J, Pine, Andy Poggio,
David L, Retz, Laura J, Metzger, Karolyn J, Martin, Jan A, Cornish,
Larry L, Garlick, Priscilla A, Wold, Pamela K, Allen, Delorse M,
Brooks, Beverly Boli, Rita Hysmith, Log Augmentation, Raymond R,
Panko, Susan Gail Roetter, Robert Louis Belleville, Ann Weinberg,
Adrian C, McGinnis, Robert S, Ratner, David S, Maynard, Robert N,
Lieberman, Sandy L, Johnson, James H, Bair, Jeanne M, Leavitt, Rodney
A, Bondurant, Jeanne M, Beck, Marcia L, Keeney, Elizabeth K, Michael,
Jonathan B, Postel, Elizabeth J, Feinler, Kirk E, Kelley

APRIL 1975 STATUS REPORT FOR OFFICE-1

RELIABILITY   1

   APRIL WAS SOMEWHAT DIAPPOINTING FOR UPTIME RELIABILITY DUE
   PRIMARILY TO PROBLEMS WITH THE ORIGINAL DRUM AND A BAD POWER
   FAILURE WHICH REQUIRED A FULL REBUILD OF THE FILE SYSTEM. TOTAL
   UPTIME PERCENTAGE WAS 95.71% WITH NINE CRASHES. A BREAKDOWN
   OF INFLUENCES COMPRISING THE TOTAL FIGURE IS AS FOLLOWS: 1a

   LOST TIME - HARDWARE   13:26   FOR   2.45%
   LOST TIME - SOFTWARE   6:35   FOR   1.2 %
   LOST TIME - NETWORK   1:50   FOR   .33%
   LOST TIME - OTHER   1:43   FOR   .31%

   TOTAL DOWNTIME   23:34   FOR   4.29%   1b

HARDWARE   2

   THE FIRST HALF OF THE MONTH LABORED UNDER COMBINED
   INFLUENCES OF DRUM HARDWARE AND POWER RELATED PROBLEMS INTERACTING
   WITH EACH OTHER. AFTER EXTENSIVE MAINTENANCE EFFORT SEVERAL
   SWAPPING RELATED CRASHES WERE ISOLATED TO A NUMBER OF FAULTY READ
   HEADS ON THE ORIGINAL OFFICE-1 RM10-B DRUM. ALL THESE PROBLEMS
   WERE COMPLETELY ERADICATED BY 4/19.   2a

   ON 4/3 OFFICE-1 HAD IT'S MOST SERIOUS POWER FAILURE TO DATE
   WHEN UTILITY POWER DROPPED DURRING A WRITE OPERATION AND THE FILE
   SYSTEM SUSTAINED DAMAGE. THE ANTICIPATED INSTALLATION OF AN
   UNINTERRUPTIBLE POWER SYSTEM SCHEDULED FOR MAY WILL BE MOST
   WELCOME.   2b

   THE ADDITIONAL 10 ASSOCIATIVE REGISTERS INSTALLED
   TO THE OFFICE-1 PAGER LAST MONTH HAVE BEEN RUNNING WITHOUT
   PROBLEMS AND SYSTEM RESPONSE SEEMS SUBJECTIVELY BETTER. A SWITCH
   WAS INSTALLED BY TYMSHARE MAINTENANCE TO ENABLE/DISABLE THE
   MILISECOND CLOCK AND FACILITATE THE TRANSITION FROM OPERATING MODE
   TO
   DIAGNOSTIC MODE.   2c

   ON 4/2 THE VERY DISTANT HOST LINE TO SUMEX-AIC WAS FINALLY
   REMOVED AND WE MOVED OUT OF THE NETWORK ENVIRONMENT WHERE TIP
   CRASHES OCCURRED ALL TOO FREQUENTLY. OTHER NETWORK RELATED
   PROBLEMS HAVE ALSO DIMINISHED SUBSTANTIALLY AFTER A VERY
   WIDESPREAD EFFORT WITHIN THE ARPANET COMMUNITY. FROM A HARDWARE
   STANDPOINT HONEYWELL CAME IN ON 4/16 TO REPLACE A FAULTY CHIP
   WITHIN THE MLC PORTION OF THE TIP. TOWARDS MONTH END BB&N HAD A
   MAN COME IN TO ASSESS THE HARDWARE OF THE TYMSHARE-TIP IN
   PREPARATION FOR BB&N REPLACING HONEYWELL FOR MAINTENANCE EFFORTS
   SOME TIME IN JUNE.   2d

APRIL 1975 STATUS REPORT FOR OFFICE-1

SOFTWARE   3

   DISPITE THE GENERAL GAINS IN NETWORK ACCESS AND USE OF
   OFFICE-1 ONE FURTHER DEVELOPMENT RELATING TO THIS EFFORT HAS BEEN
   FUNDAMENTALLY ACHIEVED: MONITOR VERSION 133, ON 4/25 JERRY WHEAT
   HAD ASSEMBLED 13300 AND A FIELD TEST WAS RUN THAT WEEKEND WITHOUT
   ANY CRASHES. IT WAS DECIDED BY SRI THAT SEVERAL USER-VISIBLE
   FEATURES REQUIRED FURTHER REFINEMENT BEFORE 133 COULD BECOME
   PRESENTABLE. JERRY PARAMETERIZED SEVERAL QUEUING CELLS IN THE NEW
   MONITOR TO BE UTILIZED WHEN WE MOVE INTO THE 'FINE TUNING'
   PHASE OF THIS INSTALLATION SOMETIME IN MAY. ONE VITAL REFINEMENT
   TO BE DEALT WITH IS PROVIDING AN NLS ENVIRONMENT THAT EMBODIES
   MARKED IMPROVEMENT OVER NLS ON BB&N'S SYSTEM. MOTIVATED WITH THIS
   IN MIND SRI HAS BEEN WORKING WITH JERRY ON A SCHEME TO LOCK NLS IN
   CORE. BEYOND THAT THE OTHER MAJOR HURDLE BETWEEN US AND 133 IS THE
   NEED TO GET THE JOURNAL TO WORK PROPERLY, JERRY HAS SEVERAL
   FEATURES TO FIELD TEST IN SUBSEQUENT VERSIONS OF THE NEW MONITOR
   TO ENHANCE THE OPERATIONAL ENVIRONMENT. IN THE MEAN TIME WE ARE
   RUNNING MONITOR 131 AND I TRUST THAT A COMPREHENSIVE
   STATISTICAL COMPARISON BETWEEN 131 AND 133 REGARDING NETWORK
   USE IMPROVEMENTS WILL BE INITIATED, AS FOR LOCKING NLS IN CORE,
   FULL ATTENTION TO PITFALLS AND CONTINGENCY COVERAGE IS ABSOLUTELY
   ESSENTIAL IF WE ARE TO AVOID NOW POSSIBLE GRIEF AND BAD
   USER FEELINGS TO COME.   3a

PERSONELL   4

   TRAINING EFFORTS ON OFFICE-1 WERE POSTPONED
   PENDING THE BRINGUP OF MONITOR 133. IN THE MEAN TIME CERTAIN
   DIFFICULTIES IN THE OPERATIONAL ENVIRONMENT WILL BE ATTACKED. A
   PHASE OUT WILL OCCUR FOR THE GREEN PHONE AND STANDARD CALLING
   PROCEDURE TO THE TYMSHARE NUMBER (408-257-6550) WILL BE PHASED IN;
   THIS SHOULD CORRECT THE COMPLAINT OF GREEN PHONE CALLS GOING
   UNANSWERED.
   I ANTICIPATE SPENDING TIME WITH EACH SHIFT IN
   MAY AND HOPE TO HAVE SPECIFIC AREAS OF TRAINING REQUESTED BY EACH
   SHIFT BASED ON THE PARTICULAR FUNCTIONAL EXPERIENCES AND
   PROBLEM AREAS THAT COULD BE IMPROVED BY MORE TRAINING.   4a

SERVICES AND SUPPLIES   5

   IN APRIL WE RECIEVED SOME 95 ARCHIVE TAPES FROM THE OLD
   SRI-ARC SYSTEM. THESE HAVE BEEN SHELVED BUT WILL HAVE TO BE
   BETTER LABELED AND HAVE DIRECTORIES LISTED. I WOULD LIKE TO
   OBTAIN RED TAPE SEALS FOR THEM TO MINIMIZE THE POSSIBILITY THAT
   THEY COULD BE MISLAID.   5a

   SINCE SRI-ARC SYSTEM HAS BEEN REMOVED WE FACE A POTENTIALLY
   CRITICAL SITUATION OF REORIENTING OFFICE-1 COMPUTING OBJECTIVES:

APRIL 1975 STATUS REPORT FOR OFFICE-1

SINCE WE NO LONGER HAVE ONE USER SYSTEM AND ONE EXPERIMENTAL
SYSTEM THE INTEGRATION OF BOTH OBJECTIVES WITHOUT DEGRADING
EITHER MUST BE WORKED OUT. THE KEY HERE WILL HAVE TO RELY ON GOOD
COMMUNICATION BETWEEN TYMSHARE AND SRI. TYMSHARE WILL HAVE TO DO
IT'S BEST TO FACILITATE THE TESTING DESIRES OF SRI WHILE
MAINTAING THE SECURE AND DEPENDABLE USER ENVIRONMENT THAT
CONTRIBUTES TO OUR PROFESSIONAL REPUTATION. SRI WILL HAVE TO
COORDINATE THEIR EFFORTS SO THAT POSSIBLE JEOPARDY TO USERS IS
MINIMIZED
WHILE MOVING AGGRESSIVELY TOWARDS CHANGES DICTATED BY FUTURE
POSSIBILITIES. WE'LL ALL HAVE TO WORK AT CONSUMATING THIS
'MARRIAGE OF PORCUPINES'.   5b

SUPPLIES USED IN APRIL CONSISTED OF 10 NEW TAPES, 7 BOXES OF
PRINTER PAPER, 1 BOX OF CONSOLE PAPER AND 7 COURIER DELIVERIES,   5c

APRIL 1975 STATUS REPORT FOR OFFICE-1

(J33750) 24-OCT-75 16:14;;;;   Title: Author(s): Robert L.
Martinez/BOBM; Distribution: /JCN([INFO-ONLY]) BJP([INFO-ONLY])
BOBM([INFO-ONLY]) ; Sub-Collections: NIC; Clerk: BOBM;
Origin: < MARTINEZ, APRIL75-STATUS,NLS;2, >, 24-OCT-75 16:11 BOBM
;;;;#####;

33750 Distribution
    James C. Norton, Buddie J. Pine, Robert L. Martinez,

MAY 1975 STATUS REPORT FOR OFFICE-1

RELIABILITY   1

  MAY PROVIDED AN IMPROVED SYSTEM AVAILABILITY AND A TOTAL UPTIME
  PERCENT OF 98.20 WITH 5 CRASHES. IT WOULD HAVE BEEN POSSIBLE TO
  SURPASS THE 99% THRESHOLD EXCEPT FOR AN UNFORTUNATE PERIOD OVER
  THE MEMORIAL WEEKEND WHEN A JOB PERMITTING ARPANET ACCESS CRASHED
  AND WAS NOT PROMPTLY CORRECTED. FACTORS COMPRISING THE TOTAL
  DOWNTIME PERCENTAGE (1.8%) ARE AS FOLLOWS: 1a

HARDWARE RELATED	2:54	FOR	.50%
SOFTWARE/PERSONELL	6:40	FOR	1.15%
NETWORK RELATED	:45	FOR	.13%
OTHER FACTORS	:06	FOR	.02%

                                                                           1b

HARDWARE   2

  IT WAS A RELATIVELY STABLE MONTH FOR OFFICE-1 HARDWARE.
  THE APPROACH OF ANTICIPATING DEVELOPMENT OF HARDWARE PROBLEMS BY
  PROMPT INVESTIGATION OF POTENTIAL SYMPTOMS HAS APPARENTLY
  PAID OFF WITH A GOOD MONTH FROM A HARDWARE STANDPOINT. SHORT LIVED
  PROBLEMS WITH MEMORIES OCCURRED AT THE BEGINNING AND LAST THIRD OF
  THE MONTH. IN EACH CASE THE PROBLEM WAS PREVENTED FROM LINGERING
  LONGER THAN TWO DAYS.   2a

  A SITUATION WHERE THE FREQUENCY OF RECOVERABLE DISK ERRORS WAS
  INCREASING BEYOND ACCEPTABLE LIMITS WAS CORRECTED ON 5/19 WITH
  HEAD REPLACEMENT AND ADJUSTMENT. BY MONTH'S END THIS FREQUENCY HAS
  BEEN MAINTAINING NORMAL LIMITS.   2b

  REGARDING PERIPHERALS, AN EARLIER PRINTER PROBLEM
  (SEE JAN 75 REPORT) OF MISINTERPRETED CONTROL R CHARACTERS HAS
  BEEN TRACED TO DIRT ON THE OPTICAL ELEMENT ON THE CARRIAGE RIBBON
  UNIT AND SHOULD BE EASILY PREVENTABLE NOW.   2c

  4 NEW ROTOR LINES HAVE BEEN ADDED TO THE EXISTING PHONE
  CABINET AND PRELIMINARY DISTANCES FROM THESE 113B DATA SETS TO
  POINTS ACCESSING OFFICE-1 HAVE BEEN PASSED ON TO SRI. FOR
  THE NEAR TERM 3 OF THE ROTORS (255-4300 THRU 4302) WILL CONNECT TO
  THE TYMSHARE TIP. LATER THESE LINES AND THE OTHER ROTOR (329-8220)
  WILL PROBABLY BE CONNECTED TO THE SECOND DC10B FOR SYSTEM ACCESS
  BYPASSING THE ARPANET. INVESTIGATION IS NOW UNDERWAY TO DETERMINE
  AND CORRECT ANY STRAPPING OR OPTION IN EXISTING DC-10 HARDWARE
  THAT COULD BE INVOLVED IN PROBLEMS BELL OF CANADA IS HAVING WITH
  LINE PROCESSOR DISPLAY CONNECTIONS AT 1200 BAUD AND CASSETTE
  CONNECTIONS AT 300 BAUD.   2d

SOFTWARE   3

  TWO MONITORS WERE RELEASED DURING THE MONTH: 13146 AND 13301.   3a

MAY 1975 STATUS REPORT FOR OFFICE-1

13146 WAS THE ATTEMPT TO MAXIMIZE THE RESPONSIVENESS
OF NLS VIA A MEMORY PAGE LOCKING/UNLOCKING CAPACITY; THIS WAS
LATER DISCARDED WHEN ADVERSE SYSTEM RESPONSIVENESS WAS A
BYPRODUCT.   3b

THERE WAS A NOTEWORTHY PERIOD OF DOWNTIME ON 5/28
WHEN SYSTEM JOB GROUP HALTED AND SEVERAL OF IT'S FILES
DISAPPEARED. THIS HAD THE EFFECT OF PREVENTING NEW LOGINS AND 1:49
OF LOST TIME RESULTED.   3c

13301 WAS THE MAJOR SOFTWARE UPGRADE THAT CULMINATED MONTHS
OF EFFORT, THIS VERSION WAS SUBSTANTIALLY THE SAME AS 13300 EXCEPT
FOR ATTEMPTS TO MAKE THE OPERATOR INTERFACE AS IDENTICAL LOOKING
AS POSSIBLE TO 131 MONITORS AND ALSO SET GROUNDWORK FOR DYNAMIC
DRUM SPACE ALLOCATION. AGAIN A FIELD TEST WAS CONDUCTED OVER THE
WEEKEND AND THERE WERE NO SOFTWARE RELATED BUGHLTS, JERRY WHEAT IS
TO BE COMMENDED FOR HIS THOROUGH RESULTS. AS OF THE BEGINNING OF
JUNE 13301 HAS BEEN ACCEPTED AS THE RUNNING MONITOR, WE WILL NOT
REVERT TO ANY 131 MONITOR WITHOUT PRIOR APPROVAL FROM SRI, SEVERAL
PROJECTS REGARDING THE NEW MONITOR ARE IN PROGRESS: 3d

   -'FINE TUNING' OF THE SYSTEM QUEUE PARAMETERS WILL BE DONE
   TO PROVIDE THE CLOSEST FITTING ENVIRONMENT TO THE NEEDS OF
   OFFICE-1 CLIENTS;
   -INVESTIGATION INTO WHAT TYPE OF EVOLUTION TOWARDS 'PIE SLICE'
   SCHEDULING IS DESIRABLE;
   -A NEW PAPER TAPE BOOTSTRAP IS NEEDED; CURRENTLY ONE MUST USE A
   MAGTAPE BOOTSTRAP ONLY;
   -FINAL WORK ON DYNAMIC DRUM SPACE ALLOCATION TO FURTHER
   OPTIMIZE SWAPPING EFFICIENCY;
   -SEVERAL BUGS INTERNAL TO NLS ARE BEING WORKED ON BY SRI;
   -A FEATURE OF THE ARCHIVE SUBSYSTEM FILE NAMING
   CONVENTION MUST BE CHANGED FOR BACKWARD COMPATIBILITY;
   -A FIX IS NEEDED TO PREVENT MULTIPLE TELETYPE LINKS.   3d1

THERE WERE SEVERAL SUBSYSTEM CHANGES EFFECTED BY THE BRINGUP OF
13301, THE SYSTEM JOB SUPERW AND SUPERWATCH SUBSYSTEM HAS
DISAPPEARED ENTIRELY, THE FTPSRV JOB NOW RUNS AS A SEPARATE JOB
DETACHED UNDER DIRECTORY SYSTEM, DELD, BSYS AND BACKGROUND HAVE
BEEN CHANGED AND THERE IS A NEW CHECKDSK, THE EXEC IS AN UPGRADE
TO COINCIDE WITH THE NEW MONITOR, THESE CHANGES AND OTHERS WILL BE
MONITORED CLOSELY AS COORDINATED FINAL DEBUGGING IS NOW
PROGRESSING.   3e

PERSONELL   4

I HAVE BEEN WORKING WITH TYMSHARE ENGINEERS ON DESIGN AND PARTS
FOR THE PROPOSED OPER ALARM DEVICE. TARGET DATE FOR INSTALLATION

MAY 1975 STATUS REPORT FOR OFFICE-1

SHOULD BE IN JUNE, THEN WE WILL START TO 'HOOK' IT UP TO SYSTEM
SITUATIONS WHERE PROMPT ATTENTION IS NEEDED.   4a

CERTAINLY THE CHANGES TOUCHED UPON ABOVE REGARDING 13301 AND THE
NEW SUBSYSTEMS WILL REQUIRE AN UPGRADE BOTH TO DOCUMENTATION AND
TO TRAINING. I INTEND TO SPEND TIME WITH EACH SHIFT DURING JUNE. I
WILL ALSO HAVE TO MEET WITH SRI TO DETERMINE THE NEW PROCEDURES
THEY WILL WANT REGARDING THE NLS BACKGROUND AND OTHER JOBS. I
EXPECT TO HAVE RETROFITTED THE OPER COVERAGE FOR THE NEW MONITOR
BY THE MIDDLE OF JUNE AT THE LATEST.   4b

SERVICES AND SUPPLIES   5

THE OLD SRI-ARC ARCHIVE TAPES ARE STILL BOXED NEAR OFFICE-1. I
HOPE TO GET RED TAPE SEALS SO I CAN CLEARLY DISTINGUISH THESE
TAPES FROM THE OTHER OFFICE-1 TAPES.   5a

SUPPLIES USED IN MAY INCLUDED 10 MAG TAPES, 4 CASES OF PRINTER AND
1 CASE OF CONSOLE PAPER, ALONG WITH 6 COURIER DELIVERIES.   5b

MAY 1975 STATUS REPORT FOR OFFICE-1

(J33751) 24-OCT-75 16:30;;;;   Title: Author(s): Robert L,
Martinez/BOBM; Distribution: /JCN([INFO-ONLY]) BJP([INFO-ONLY])
BOBM([INFO-ONLY]) ; Sub-Collections: NIC; Clerk: BOBM;
Origin: < MARTINEZ, MAY75-STATUS,NLS;2, >, 24-OCT-75 16:28 BOBM
;;;;####;

33751 Distribution
    James C, Norton, Buddie J, Pine, Robert L, Martinez,

JUNE 1975 STATUS REPORT FOR OFFICE-1

RELIABILITY   1

   JUNE DIPPED SLIGHTLY FROM MAY'S TOTALS AS A TOTAL UPTIME
   PERCENT OF 97.88 AND 6 CRASHES WAS ACHIEVED. A DRUM MALFUNCTION
   WITH THE NEED TO REBUILD THE FILE SYSTEM AND A SOLID DISK DRIVE
   MALFUNCTION WERE THE LARGEST CONTRIBUTIONS TO THE DOWNTIME. ALSO,
   THERE WERE A SERIES OF ENIGMATIC HANGUPS/CRASHES FROM JOB 0 THAT
   ARE
   AS YET NOT FULLY ACCOUNTABLE. BELOW IS A COMPOSIT BREAKDOWN OF THE
   SYSTEM'S MONTHLY TOTAL DOWNTIME;   1a

   HARDWARE RELATED   9:28   FOR   1.57%
   SOFTWARE RELATED   1:50   FOR   .31%
   OTHER REASONS   1:15   FOR   .21%
   NETWORK PROBLEMS   :09   FOR   .03%   1b

HARDWARE   2

   ALL THE CRASHES FOR THE MONTH WERE EITHER PARITY CRASHES
   DETECTED BY APR/DEVICE (AND NO ADDRESSES/CONTENTS FOUND) OR
   HANGUPS FOLLOWED BY A JOB 0 INITIATED BUGHLT. NEITHER CIRCUMSTANCE
   LENDED ITSELF TO EASY ISOLATION OF A PROBLEM AND DIAGNOSTICS COULD
   NOT REPLICATE THE CONDITION THAT EXISTED WHEN A CRASH OCCURRED.
   THE JOB 0 CRASH HAS HAD A CORRELATION IN THE PAST WITH SWAPPING
   HANGUPS AND PROBLEMS ALONG THE DATA PATH FROM MEMORY TO DRUM TO
   DISK; OFTEN THO, IT IS MERELY AN AFTEREFFECT OF OTHER PROBLEMS (IE
   NXM IN USER MEMORY SPACE OR SYSTEM HANGUP FROM FAULTY DEVICE
   INTERRUPTS). IN THE PAST ONE GETS THE IMPRESSION THAT THIS CRASH
   SEEMS TO COME AND GO IN A RANDOM FASHION. IN JULY I WILL TRY TO
   PLOT THE OCCURRENCE OF THIS ELUSIVE CRASH SINCE JANUARY '74 AND
   TRY TO CORRELATE IT WITH SUCCESSFUL MAINTENANCE ACTIONS.   2a

   TOWARD THE MIDDLE OF THE MONTH THE BELL CANADA TRANSMIT/
   RECEIVE CARDS IN THE DC-10 WERE ALTERED ACCORDING TO THE WISHES OF
   SRI. THIS INVOLVED A SPECIAL STRAPPING FROM A DEC TECHNOTE THAT
   KLUDGED TWO OTHERWISE MUTUALLY EXCLUSIVE OPTIONS FOR EACH CARD.   2b

   PERIPHERALS WERE TROUBLE FREE DURING JUNE.   2c

   HONEYWELL PERFORMED THEIR LAST PM OF THE TYMSHARE-TIP; HENCE-
   FORTH BBN WILL ASSUME THAT FUNCTION AND MY CURRENT UNDERSTANDING
   IS THAT THE SCHEDULE WILL REMAIN THE SAME.   2d

SOFTWARE   3

   TENEX 133 HAS BEEN FINE TUNED VIA PATCHES INSTALLED
   AT THE REQUEST OF SRI. PIE-SLICE SCHEDULING IS NOW IN EFFECT
   ALLOCATING 3% OF THE SYSTEM PER SLOT. WE HAVE CONVERTED THE
   ARCHIVE FILE DIRECTORY NAMING CONVENTIONS TO THAT USED BY BB&N

JUNE 1975 STATUS REPORT FOR OFFICE-1

SINCE IT ELIMINATES THE EARLIER PROBLEM OF ARCHIVE DIRECTORY
FILES THEMSELVES BEING ARCHIVED AND DELETED, DAN LYNCH HAS
A IMPDV MODULE WHICH ALLEGEDLY IMPROVES ARPANET THRUPUT AND
THIS WILL HAVE TO BE CHECKED OUT,   3a

SUBSYSTEM FTPSRV WAS REINSTALLED AS A SYSCOM JOB SO IT
COULD BE DEALT WITH BY OPERATORS WHEN NECESSARY USING FAMILURE
PROCEDURES, TWO NEW SUBSYSTEMS HAVE BEEN ADDED: ARCPRN WHICH
ENABLES OFFICE-1 TO PASS FILES TO A PRINTER AT SRI-ARC; TASKTB
WHICH PERFORMS MONITORING FUNCTIONS ON SYSTEM EFFECTIVENESS AND IN
SOME WAYS RESEMBLES THE OLD SUPERWATCH SUBSYSTEM,   3b

PERSONELL   4

PARTS FOR THE OPERATOR ALARM DEVICE HAVE FINALLY ARRIVED AND A
PROTOTYPE MODEL SHOULD BE AVAILABLE ON A TTY 35 CONSOLE TERMINAL
SOON, INITIALLY IT WILL BE USED FOR ATTENTION GETTING AS THE
SYSTEM CRASHES,   4a

OFFICE-1 PERSONELL WILL BE RETRAINED IN STARTING AND WATCHING OUT
FOR THE BACKGROUND SUBSYSTEM IN JULY, OPER PROCEDURAL UPDATES HAVE
BEEN DETERMINED AND DOCUMENTATION IS BEING PREPARED,   4b

SERVICES AND SUPPLIES   5

THE ARCHIVE TAPES WE RECIEVED FROM SRI-ARC A FEW MONTHS AGO
HAVE BEEN INTERGRATED INTO THE OFFICE-1 TAPE LIBRARY, THERE REMAIN
PROBLEMS OF COMMUNICATION FOR INSTANCES WHEN WE ARE UNABLE TO
RECOVER FILES FROM THESE OLD TAPES FOR VARIOUS REASONS AND MUST
REQUEST THAT BBNB PERSONELL RECOVER THE FILES FROM THEIR ALTERNATE
COPY OF THE TAPE. I AM WORKING WITH JEFF PETERS ON THIS,   5a

SUPPLIES FOR JUNE INCLUDED 10 MAG TAPES, 2 BOXES OF PRINTER
PAPER AND 5 COURIER DELIVERIES, THERE WERE 212 ARCHIVE RESTORE
REQUESTS DURING THE MONTH,   5b

JUNE 1975 STATUS REPORT FOR OFFICE-1

(J33752) 24-OCT-75 16:45;;;; Title: Author(s): Robert L.
Martinez/BOBM; Distribution: /JCN([INFO-ONLY]) BJP([INFO-ONLY])
BOBM([INFO-ONLY]) ; Sub-Collections: NIC; Clerk: BOBM;
Origin: < MARTINEZ, JUNE75-STATUS.NLS;2, >, 24-OCT-75 16:43 BOBM
;;;;####;

33752 Distribution
    James C. Norton, Buddie J. Pine, Robert L. Martinez,

JULY 1975 STATUS REPORT FOR OFFICE-1

RELIABILITY   1

    JULY RELIABILITY WAS 97.08% TOTAL AND 22 CRASHES. THE PRIMARY
    FACTORS BEHIND THESE FIGURES WERE UNUSUALLY ELUSIVE PAGER OR
    MEMORY RELATED HANGUPS OR BUGHLTS. THE LAST WEEK OF THE MONTH
    (WHICH COINCIDED WITH MY WEEK OFF ON VACATION) ACCOUNTED FOR MORE
    THAN HALF OF THE DOWNTIME AND 13 OF THE CRASHES. ON THE PLUS SIDE,
    NO TIME WAS LOST FOR SOFTWARE REASONS AND AS OF THIS WRITING
    THE HARDWARE PROBLEMS SEEM TO HAVE BEEN CORRECTED. BELOW IS
    A BREAKDOWN OF THE DOWNTIME INFLUENCES FOR THE MONTH: 1a

    HARDWARE RELATED   17:07   FOR   2.85%
    ARPANET RELATED   :26   FOR   .07%   1b

HARDWARE   2

    AFTER PERSISTENT EFFORT BY TYMSHARE MAINTERNANCE, SEVERAL
    POTENTIAL PROBLEM AREAS WITHIN MEMORY WERE UNCOVERED AND
    CORRECTED. BY 8/4 IT APPEARS THAT NOT ONLY HAS THE LINGERING
    PROBLEM OF CRASHES BEEN MASTERED BUT OFFICE-1 CORE SHOULD BE VERY
    SOLID IN THE FUTURE.   2a

    ON 7/4 A DISK DRIVE NEEDED ADJUSTMENT TO CORRECT UNRECOVERABLE
    ERRORS. FOR SOME REASON THE CURRENT MONITOR DOES NOT BREAK DOWN
    SOFTWARE DISK ADRESSES INTO ENGLISH FOR OUTPUT TO THE LOGGER
    TERMINAL. THIS MAKES ANALYSIS OF DRIVE OR PACK ERRORS MORE
    DIFFICULT THAN BEFORE. I WILL BEGIN WORK ON A TRANSLATION
    MECHANISM WITH THE CAPACITY TO STORE READABLE DDISK ERROR RECORDS
    IN A FILE.   2b

    ON 7/12 VOLTAGES IN THE DRUM CONTROLER NEEDED ADJUSTMENT. A
    THIRD DRUM (RM10B-120) WAS POSITIONED IN PLACE AND POWERED UP
    OFF-LINE PENDING ARRANGEMENTS WITH SRI FOR IT'S LEASE AND
    INSTALLATION.   2c

    AS FOR TELECOMMUNICATIONS AND NETWORK HARDWARE, FOUR CABLES
    WERE INSTALLED UPON REQUEST FROM SRI FROM NEW 113B
    DATA SETS TO PORTS IN THE TYMSHARE TIP. THESE NEW ROTORS DID
    NOT EVIDENCE THE PROPER EIA SIGNALS AND SUBSEQUENT TESTING
    INDICATES THAT THE LIU CARDS IN THE TIP ARE DEFECTIVE. IT WILL BE
    UP TO SRI TO INITIATE FURTHER ACTION. BB&N BEGAN MAINTENANCE OF
    THE TIP HARDWARE WITH LEIV ANDREASSEN (PRIMARY) AND STEVE FREYLING
    (ALTERNATE) PROVIDING COVERAGE. NON-DISRUPTIVE PREVENTATIVE
    MAINTENANCE IS NOW
    SCHEDULED FOR THE THIRD MONDAY OF EACH MONTH. I HAVE REACHED AN
    AGREEMENT WITH BB&N AND ARPA NCC THAT ANY DISRUPTIVE ACTIVITY
    SHALL BE PRECEDED BY AT LEAST 1 DAY ADVANCE NOTICE AND IF POSSIBLE
    SHALL OCCUR AFTER OFFICE-1 PRIME TIME. ON 7/24 THE TIP WAS TAKEN

JULY 1975 STATUS REPORT FOR OFFICE-1

DOWN FROM 1700 TO 1800 TO ALLOW CABLE REROUTING, FAN REPLACEMENT
AND OTHER MINOR CORRECTIONS.   2d

SOFTWARE   3

MONITOR VERSION 13302 WAS ASSEMBLED, LOADED AND FIELD
TESTED SUCCESSFULLY. BRIEFLY, IT CONTAINED SEVERAL PATCHES
THAT HAD EXISTED IN 13301, IMPROVEMENTS TO THE WAKEUP ALGORITHM
AND BUFFERING OF NETWORK TERMINAL SERVICE, DYNAMIC DRUM POLLING
AND CODE FOR THE OFFICE-1 OPERATOR ALARM DEVICE.   3a

I HAVE ESTABLISHED CHECKING PROCEDURES ON THE MONITOR
SOURCES DIRECTORY TO DETECT ANY CHANGES. ALSO A FILE HAS BEEN
ESTABLISHED THAT CONTAINS A 'MENU' OF SOFTWARE MODULES
THAT COMPRISE EACH MONITOR RELEASE, ALSO A LOG CONTAINING SOURCE
COMPARES OF ALL CHANGES IS BEING MAINTAINED. THESE FEATURES
WILL HELP KEEP THINGS UNDER BETTER CONTROL THAN PREVIOUSLY.
TO BECOME BETTER INTEGRATED WITH SOFTWARE EFFORTS I NEED LOGIN
ACCESS TO BBNB SO I CAN KEEP UP TO DATE ON PENDING CHANGES,
BUGFIXES AND SUBSYSTEM UPDATES. JEFF PETERS IS PURSUING THIS FOR
ME.   3b

ARPA NCC RELEASED A NEW TIP CODE IN JULY WHICH
EMBODIES A RSSER 'NETNEWS' FEATURE WITHOUT THE UNDESIRABLE
FEATURES OF EARLIER CODE. NETNEWS DATED JUNE 30 CONTAINS POLICY
STATEMENTS RELATING TO THE TRANSFER OF THE ARPANET OPERATIONAL
MANAGEMENT FROM ARPA TO THE DEFENCE COMMUNICATIONS AGENCY
CURRENTLY UNDERWAY.   3c

PERSONELL   4

THE OPERATOR ALARM WAS INSTALLED AND IS WORKING EFFICIENTLY TO
ANNOUNCE SYSTEM CRASHES AND IMPROVE REACTION TIME DURING CRITICAL
SITUATIONS. I HOPE TO EXTEND THIS OPER AID TO OTHER SITUATIONS.   4a

NEW DOCUMENTATION WAS WRITTEN AND RELEASED INCLUDING SLIGHTLY
DIFFERENT BRINGUP PROCEDURE AND A TOTALLY NEW MANUAL BRINGUP OF
THE BACKGROUND JOB ALONG WITH OTHER CHANGES DICTATED BY THE
NEW MONITOR.   4b

SERVICES AND SUPPLIES   5

SUPPLIES FOR THE MONTH INCLUDED 6 NEW TAPES, 6 CASES OF PRINTER
PAPER, 1 CASE OF TERMINAL PAPER AND 7 COURIER DELIVERIES. LIZ
MICHAEL OF SRI HAD A CASE OF TAPES DELIVERED TO US FOR
FOR USE ON A PROJECT INVOLVING CUSTOMER PICKUP OF SRI TAPES. THE
MOVE OF SEVERAL OFFICE-1 APPLICATIONS FOR ARPA TO ISIC HAS BEEN
VIRTUALLY COMPLETED.   5a

JULY 1975 STATUS REPORT FOR OFFICE-1

(J33753) 24-OCT-75 16:57;;;;   Title: Author(s): Robert L.
Martinez/BOBM; Distribution: /JCN([INFO-ONLY]) BJP([INFO-ONLY])
BOBM([INFO-ONLY]) ; Sub-Collections: NIC; Clerk: BOBM;
Origin: < MARTINEZ, JULY75-STATUS.NLS;2, >, 24-OCT-75 16:56 BOBM
;;;;####;

33753 Distribution
    James C, Norton, Buddie J, Pine, Robert L, Martinez,

Test

This is a test...   1

Test

(J33764)   27-OCT-75 18:38;;;;   Title: Author(s): Glenn A,
Sherwood/GAS2; Distribution: /USER([INFO-ONLY]) ; Sub-Collections:
NIC; Clerk: GAS2;

33764 Distribution
   Ets User,

re: 26726,   The Need for a Business Plan from Applications

I am curious about what happened to the plan,   I am interested in
seeing it for my own edification,   Jim   1

re: 26726, The Need for a Business Plan from Applications

33768 Distribution

Dirk H. Van Nouhuys, Joseph L. Ehardt, Raymond R. Panko, James H. Bair, David R. Brown, Glenn A. Sherwood, N. Dean Meyer, Kathey L. Mabrey, Norman R. Nielsen, Thomas L. Humphrey, Robert Louis Belleville, Elizabeth K. Michael, Richard W. Watson, James C. Norton, Robert N. Lieberman, Pat Whiting O'Keefe, Douglas C. Engelbart, Dirk H. Van Nouhuys,

Sending Mail Without Gobbling Up Space

Hey Roger and Roger!
      In case you haven't noticed, the Hough directory is running out
of rrom at an alarming rate. So when you two communicate, 1) use
Sendmail and 2) erase all files after they are sent (by erasing, I
mean Delete File, then Expunge Directory). This is very important
for long messages. For reference, I'll again send the Sendmail
Sample sessions for secretaries to the Hough directory. Thanks, Mama
Ra3y.   1

Sending Mail Without Gobbling Up Space

(J33754)   27-OCT-75 08:09;;;;   Title: Author(s): Raymond R,
Panko/RA3Y; Distribution: /RWH([ACTION]) ; Sub-Collections:
SRI-ARC; Clerk: RA3Y;

33754 Distribution
Roger W. Hough,

Reading Journal Mail (Sendmail)

In Sendmail, long items are not sent directory. Only citations are
sent. But each citation has an accession number. For example, The
first Sendmail Sample Session is 26426. To read it, type (in the
Base subsystem) Load File Journal,26426, . The comma after the
accession number is needed, to let the system know that you want the
file named 26426, not statement number 26426 in the Journal file.   1

Reading Journal Mail (Sendmail)

(J33755)   27-OCT-75 08:15;;;;   Title: Author(s): Raymond R,
Panko/RA3Y; Distribution: /RWH([ACTION]) ; Sub-Collections:
SRI-ARC; Clerk: RA3Y;

33755 Distribution
Roger W. Hough,

whew

got your mess, would like to see pics, had a bunch of fun trying to
copy your mess to my ncsl dir, you would have had a goolaugh,
finally got out of that one though, dave and i will be on the west
coast next,... this week, bye, pcb   1

whew

(J33756)   27-OCT-75 09:48;;;;   Title: Author(s): Paul C, Bishop/PCB;
Distribution: /RH([ACTION]) DB4([INFO-ONLY]) ; Sub-Collections:
NIC; Clerk: PCB;

33756 Distribution
   Rita Hysmith, Denny Brown,

Marilyn's Reply to Pye, 21-Oct-75

21-OCT-75 1656-PDT HOUGH: Reply to Roger Pye inquiry
    Distribution: HOUGH
    Received at: 21-OCT-75 16:56:59-PDT   1

    I found some mail on your desk last week. I've already forwarded
    it to London--Hopefully that was your contract. Re over
    allocation, Ra3y Panko cleared that up last night, so should be
    accepting new entrys o.k. now. Will ask Roger Hough how you are
    to get back to San Francisco the next time he calls me from WCD.
    Let me know if I can help you with anything else. Marilyn.   1a

Marilyn's Reply to Pye, 21-Oct-75

(J33757)   27-OCT-75 12:57;;;;   Title: Author(s): Raymond R.
Panko/RA3Y; Distribution: /RWH([ACTION]) ; Sub-Collections:
SRI-ARC; Clerk: RA3Y;

33757 Distribution
   Roger W. Hough,

Rich's 22-Oct Note to Pye

22-OCT-75 1041-PDT HOUGH: harkness to pye 22oct testtest   pye
    Distribution: HOUGH
    Received at: 22-OCT-75 10:41:08-PDT   1

    ggot your message , will reply breefly by item, the handouts had
    my initials becaues i dictated them as working papers to get
    things going, i don't know who gryndley is . Miller is not in
    charge of national level impacts, that area has not beeen
    assigned, hough or i will probably take it, miller does have items
    46 and 47, i could use some help inputting to items 14_16, would
    like to get transportation ra to help me, xport input is needed
    these items, items 18,19 are not being worked repear
     and 19 . i am very pleased you can take charge of items 20
    through 35, you will find most project members fascinated beby
    these items and anxious to help, miller is interested in items 24
    and 34, if you wish you we could assign him either or both , in
    any case it would be good to figure out how miller and zink and
    panko could input o these areas, one requirement is that all be in
    writing so all know what is goin g on, we await your
    recommendations in how to approach 24 to 34, everyone else has
    been asked to apepare a one page statement of specific objectives
    and anticipated output a and potentioal problems for each item
    they are working, i or you need to request ame of phil, the one
    ones here ard due me 27 oct, draft results due me about 26 nov,
    and finals 31 dec, i sent you memos with these dates by mail, you
    are right not to rely on doxiadis report for other thatthan
    historic data as it has not got much credibility as a plan of the
    future, i am drafting scenarios 4b and5b to postula   1a

    te a considerable decentralization of existing cbd employment ,
    repeat existing cbd employment,dont know who is going to do impat
    #3, panko wants to do the non technology part and is started on
    same,i will give him your comments on aduio terminals per x
    workers, one thing he and hopefully you hough and i should do son
    is to describe what telecom technology is need for each scenario,
    miller wants a description of how th the various office tasks are
    actuallly carried out with the telecom so he can judge worker
    satisfaction , assuming he inputs to item 20,ref item 16, don7t
    think we can afford to get this datafrom voorhees, as also one
    assumption is fixed residential pattern,item 26 , you are right it
    should be under organization impacts , i will revise matrix,i wont
    comment all your items my figngers tire of this terminal would
    much rather talk than type , panko will never convince me that
    exeutives will y use this media except for short notes, a an
    asynchronous verbal message packet system makes more sense to me,
    let me know what should be done to really get items 20 to 35
    rolling, also hurry back we need you, i should say i do, hough is
    not putting in any time of on the substance tof the project, so
    long   rich   1b

Rich's 22-Oct Note to Pye

(J33758) 27-OCT-75 12:59;;;; Title: Author(s): Raymond R.
Panko/RA3Y; Distribution: /RWH([ACTION]) ; Sub-Collections:
SRI-ARC; Clerk: RA3Y;

33758 Distribution
Roger W. Hough,

Gwen's note to Pye 22-Oct

22-OCT-75 1433-PDT GEDWARDS: lck or lack of linking , and private
mode, and travel plans
    Distribution: HOUGH, gedwards
    Received at: 22-OCT-75 14:33:02-PDT   1

    Hi Roger (Pye), Sorry about not speaking up today, Tht is, the
    Real Gwen Edwards did see your printing, but was speechlss...not
    from any cat, but from strange terminal problems (as opposed to
    illnesses), Oh well, what a da it has been, By the way, the
    questionaire is now ready fo r your comments and is on line,
    would you like me to journalize it and send via NLS,, or send
    through the mail? Re: the private mode problem, I don't know why
    that happens, that is why sys stat records "priv" an other times
    doesn't, I'm looking into it, But in the meantime, just ignore
    it, You ca still link to me, I think technically you can still
    link unless the other party idssues a command called "refuse
    links" wha they begin a session, wich I only do wen printing
    something, Re:travel plans, it sounds like yours are as subject
    to chnge as mine, Can I let you know my definate plans in a
    couple of weeks? I know that'sat the last minute, but lt me
    explain, I am now pretty convinced that the best way to
    teleeducate myself is n to occassionally insist on face to face,
    Otherwise you feel like you're getting lost in the wies (that's
    wires!) And in order oto insure completion (and coordination) of
    this thesis with committee members, etc, I really should go out
    mid Nov, and stay about 3 weeks, I would be absolutely sure , and
    would have plane reservations, etc, if it weren't for Larry
    telling me I can't take ay time off, So I have aproblem, Of
    course, my priorities are the thesis first   1a

    , job second...but I hate to be put in that kind of corner, So
    I'm just taking each day as it comes, woring as much as I can from
    this end, Then when I am sure I absolutely have to go, I'll
    leave, and hope I have a job when I return, But as far as your
    concerned, if I am in Calif, mid Nov,, perhaps were could talk
    there, You wouldn't have to tell CSG that I was in Cal,, and you
    could stop off in Monntreal to see the city on your way back to
    London (I guess that will be several months later???)What about
    Christmans? (Xmas) ? or don't you beleieve in that stuff!/ ,
    Anywa, I hope we will have at last a da or two to talk about the
    evaluation project, Larry is on hi s way to Europe sas of Sun,
    He wants to stop by in London around the 10th or so of NOV, He'll
    probably be in touch shotly, (shotly shortly), By the way, did
    you hear about our UMPTEENTH mail strike?!!! There are more
    strikes in Canada /year that in the U,K, , What a way to go for
    a little one upsmanship,,eh?   1b

Gwen's note to Pye 22-Oct

(J33759)   27-OCT-75 13:00;;;;   Title: Author(s): Raymond R,
Panko/RA3Y; Distribution: /RWH([ACTION]) ; Sub-Collections:
SRI-ARC; Clerk: RA3Y;

33759 Distribution
Roger W. Hough,

About Gwen'sQuestionnarie 24-Oct

24-OCT-75 1259-PDT GEDWARDS: questionnaire
   Distribution: HOUGH, gedwards
   Received at: 24-OCT-75 12:59:19-PDT   1

   Sorry about the lengthy message...was very long-winded that day,
   Was also long-wined with the questinnaire, It's about 30 (oops,
   that's 30 pages!!!- don't overreact yet - it is divided into 5
   sections and is designed to reach some non-users (familiar with
   NLS), indirect users (those wo use it only through a secretary) ad
   direct users...so not everyone wll be s asked to labor through a 2
   hour questionnaire, At any rate, I will definately mail it, It
   wll go out on Monday, Remember that we h
   e a mail strike here in canukwille so it may take a while, Please
   hold on, It wll go via New York so should take about a week or
   so,   1a

About Gwen'sQuestionnarie 24-Oct

(J33760)   27-OCT-75 13:03;;;;   Title: Author(s): Raymond R,
Panko/RA3Y; Distribution: /RWH([ACTION]) ; Sub-Collections:
SRI-ARC; Clerk: RA3Y;

33760 Distribution
Roger W. Hough,

Turning off Leveladust and Viewspecs for novice users

This note comments upon the usefulness of the Leveladust=Off and
Viewspecs=Off commands in Useroptions.

Turning off Leveladust and Viewspecs for novice users

One difficult thing about NLS is that novice users have no way to
"ease" there way into it. If level indenting and viewspec
specification could be turned off for novice users, these people
could grasp some basics before moving on to full competence in NLS.   1

Fortunately, it is possible to do this. The TNLS-8 Quick Reference
card lists two commands: "Leveladjust Off" and "Viewspecs Off," which
strip NLS of its hierarchical structure and sophisticated viewing
capabilities. At last! Some real help for the novice user.   2

Unfortunately, I now find that leveladust and viewspec controls in
useroptions have been turned off. Why don't we reverse this? When
telling me why we shouldn't reverse this, try to refer to user needs,
not rarified technical difficulties, please.   3

Turning off Leveladust and Viewspecs for novice users

(J33761)   27-OCT-75 16:03;;;;   Title: Author(s): Raymond R,
Panko/RA3Y; Distribution: /SRI-ARC([ACTION]) ; Sub-Collections:
SRI-ARC; Clerk: RA3Y;   Origin: < PANKO, NOVICE,NLS;1, >,
27-OCT-75 15:49 RA3Y ;;;;####;

33761 Distribution
    Douglas C. Engelbart, Martin E. Hardy, J. D. Hopper, Charles H. Irby,
    Harvey G. Lehtman, James C. Norton, Jeffrey C. Peters, Dirk H. Van
    Nouhuys, Kenneth E. (Ken) Victor, Richard W. Watson, Don I. Andrews,
    Israel A. Torres, Jan H. Kremers, Susan K. Ocken, Raphael Rom, David
    C. Smith, Buddie J. Pine, Andy Poggio, David L. Retz, Laura J.
    Metzger, Karolyn J. Martin, Jan A. Cornish, Larry L. Garlick,
    Priscilla A. Wold, Pamela K. Allen, Delorse M. Brooks, Beverly Boli,
    Rita Hysmith, Log Augmentation, Raymond R. Panko, Susan Gail Roetter,
    Robert Louis Belleville, Ann Weinberg, Adrian C. McGinnis, Robert S.
    Ratner, David S. Maynard, Robert N. Lieberman, Sandy L. Johnson,
    James H. Bair, Jeanne M. Leavitt, Rodney A. Bondurant, Jeanne M.
    Beck, Marcia L. Keeney, Elizabeth K. Michael, Jonathan B. Postel,
    Elizabeth J. Feinler, Kirk E. Kelley, N. Dean Meyer, James E. (Jim)
    White

re: 26702, ETS's analysis of its text processing needs

I have been asked by Doug to develoment wAys of measuring user
performance and productivity. The question I ask in that context is,
what impact does the given computer based system have on the user's
effectiveness. It seems that Norm or others interested in need
studies are people I should talk to . Dave Potter and I have
tentatively agreed to keep in touch on the ETS study.   1

re: 26702, ETS's analysis of its text processing needs

(J33769)   28-OCT-75 16:54;;;;   Title: Author(s): James H. Bair/JHB;
Distribution: /DVN([ACTION]) DOCPLAN([INFO-ONLY]) ;
Sub-Collections: SRI-ARC DOCPLAN; Clerk: JHB;

33769 Distribution
Dirk H. Van Nouhuys, Joseph L. Ehardt, Raymond R. Panko, James H.
Bair, David R. Brown, Glenn A. Sherwood, N. Dean Meyer, Kathey L.
Mabrey, Norman R. Nielsen, Thomas L. Humphrey, Robert Louis
Belleville, Elizabeth K. Michael, Richard W. Watson, James C. Norton,
Robert N. Lieberman, Pat Whiting O'Keefe, Douglas C. Engelbart, Dirk
H. Van Nouhuys,

this is a test journal message   1

(J33770)   28-OCT-75 17:11;;;;   Title: Author(s): Glenn A.
Sherwood/GAS2; Distribution: /USER([INFO-ONLY]) ; Sub-Collections:
NIC; Clerk: GAS2;

33770 Distribution
Ets User,

Status of Help Publicatio File With Respect to Printing

Kirk, I reported to you briefly Monday that Beverly and I had decided
not to attempt to make the Publication Help File printable as hard
copy in order to hurry finishing. I estimate that there is something
like 20 worker hours in making an acceptable if not good help file,
and double that if we make it ready for printing at the same time.
If you believe I am wrong, tell me why. We decided to take the short
course in order to finish the job. Since then I have read (journal,
26774,). I see this choice as a matter of an initial investment of
time necessary to save much more time later. I imagine that if say
double the documentation effort was made for the next six months, to
get all relevant documentation in the state described in (26774,),
then a year from now maintenance would take a quarter the time. Some
such situation as that. Furthermore, (Journal, 26754,) multiplies
this situation. If many of the proposals there were carried out, ti
would be much easier to make a printable and helpful file, but at
best we would have to wait until that happened.   1

Beverly and I discussed thes matters this morning. She is going to
write a proposal to try to get JCN, RWW, DCE, and the like to
understand the tradeoffs we see. To carry (journal, 26774,) forward
would also require more agreement on ends and means and closer
coordination among all documentors than has existed this year: some
organizational effort would have to be required to do that.   2

It is not clear that her proposal will be accepted. It is not clear
that anyone is willing to pay for it. These things being true we
have decided to go on and do the publications file in online-only
form because I expect to finish it before there is a definite
response to (26754,).   3

                                                                       4

Status of Help Publicatio File With Respect to Printing

(J33771) 28-OCT-75 20:44;;;;   Title: Author(s): Dirk H, Van
Nouhuys/DVN; Distribution: /KIRK([ACTION]) DIRT([INFO-ONLY])
HELP([INFO-ONLY]) ; Sub-Collections: SRI-ARC DIRT HELP; Clerk: DVN;

33771 Distribution

Lawrence A. Crain, Kirk Sattley, Susan Gail Roetter, Robert N.
Lieberman, Ann Weinberg, Kenneth E. (Ken) Victor, Douglas C.
Engelbart, James H. Bair, Elizabeth K. Michael, Richard W. Watson,
Elizabeth J. Feinler, Harvey G. Lehtman, Kirk E. Kelley, Laura E.
Gould, Jeanne M. Beck, Dirk H. Van Nouhuys, James C. Norton, Dirk H.
Van Nouhuys, Ann Weinberg, Kirk E. Kelley,
Kirk E. Kelley, David C. Smith, Jonathan B. Postel, Priscilla A.
Wold, Rita Hysmith, Pamela K. Allen, Delorse M. Brooks, Elizabeth F.
Finney, Beverly Boli, Lawrence A. Crain, Kirk Sattley, Susan Gail
Roetter, Robert N. Lieberman, Ann Weinberg, Kenneth E. (Ken) Victor,
Douglas C. Engelbart, James H. Bair, Elizabeth K. Michael, Richard W.
Watson, Elizabeth J. Feinler, Harvey G. Lehtman, Kirk E. Kelley,
Laura E. Gould, Jeanne M. Beck, Dirk H. Van Nouhuys, James C. Norton,
Jeanne M. Beck, David C. Smith, Beverly Boli, David C. Smith,
Jonathan B. Postel, Priscilla A. Wold, Rita Hysmith, Pamela K. Allen,
Delorse M. Brooks, Elizabeth F. Finney, Beverly Boli

new three digit phone numbers

as of monday 3 nov 75, those people using telephones to hook into the
tip will have to use the new three digit system and the jacks placed
near the terminals, the telephones apparently do not need new
terminations; just a disconnect from the present box on the wall and
isertion into the wall jack, if you have a problem see frank troilo,
the new numbers areas follows: 810 through 820, (i beg your
pardon--that last number should be 825), in   addition to these in
the building numbers, there will be a list of five numbers designated
for calling in to the tip from offbase, these will be the only ones
available from offbase so we might have a scheduling problem once in
awhile.   1

new three digit phone numbers

(J33772)   29-OCT-75 11:06;;;;   Title: Author(s): Edward F,
LaForge/ELF; Distribution: /RADC([ACTION]) ; Sub-Collections: RADC;
Clerk: ELF;

33772 Distribution

William E. Rzepka, Rocco F. Iuorno, Thomas J. Bucciero, Roger B. Panara, John L. McNamara, Joseph P. Cavano, Duane L. Stone, Marcelle D. Petell, Thomas F. Lawrence,

Robert W. Johnson, Wolf-Hasso Kaubisch, Kim Cynthia Carter, Samuel L. Ruple, Stephen P. Sutkowski, Richard Calicchia, William W. Patterson, Francis J. Hilbing, Robert K. Walker, Frank P. Sliwa, Joe F. Femia, Roger W. Weber, Melville J. Draper, Robert D. Krutz, James W. Hyde, David T. Craig, Fred N. Dimaggio, Robert E. Doane, Richard Nelson, William F. Stinson, Daniel R. Loreto, John B. McLean, Murray L. Kesselman, Edward F. LaForge, Agatha C. Deconde, Alan R. Barnum, Larry M. Lombardo, Roberta J. Carrier, Richard H. Thayer, Frank J. Tomaini, Mike A. Wingfield, Edmund J. Kennedy, Raymond A. Liuzzi, Donald VanAlstine, Deane F. Bergstrom, Frank S. LaMonica

TEST OF CITATION

This is just a check to see if you are getting notice of journal
citations in your MESSAGE.TXT file (that is with your
messages.).....................Ed   1

TEST OF CITATION

(J33773)   29-OCT-75 11:46;;;;   Title: Author(s): E. S. VonGehren/ESV;
Distribution: /SMM2([ACTION]) HSM([ACTION]) MSI([ACTION])
SIM([INFO-ONLY]) ; Sub-Collections: NIC; Clerk: ESV;

33773 Distribution
    Shirley M, Martin, Herbert S, Mitchell, Information Division
    Scientific And Management, Sim,

Groups and Directories at BBNB for RADC

The paperwork is in to procurement for three additional slots based
on 'excess' money in the pot from all sites covered by the RADC
contract. They have given the verbal OK, subject to a proposal from
SRI, The paperwork now reads 2 slots for ARA (who will 'sublet' to
contractors and NSW users) and 1 slot for RADC,

Groups and Directories at BBNB for RADC

We are assuming that there is at least one slot available at BBNB for
RADC use. The basic strategy here is to move a group over from
Office-1 that are connected with networking projects here at RADC.
Existing directories that should be moved are: 1

    <STONE>   1a

    <WINGFIELD>   1b

    <LAWRENCE>   1c

    <HILBING>   1d

        Please create an RADC group and directories at BBNB for these
        people and change the Nework Mail address in the ident system
        and the Journal delivery to BBNB. If you can copy their
        existing working files over to BBNB, fine, otherwise each
        individual can do his own...any helpful hints for FTPing NLS
        files would be appreciated. It would be good to keep a small
        directory (50 pages??) at Office-1 for these people for the
        three month period, so they can read their mail from people who
        haven't gotten the word.   1d1

        Also, please create a directory <CARRIER> at BBNB under the
        RADC group. She is the head of the PSO at RADC and as such
        may need some working space (200 pages if we can get it) for
        report preparation, editing etc. NO changes in the indent
        system or Journal delivery are necessary. Initials file and
        password...RJC...is OK, unless that creates some conflict
        with initials file at Office-1.   1d1a

New directories at BBNB and entries into the ident file should be
made for the following individuals who are not now NLS users, but who
are a part of the networking group and will be shortly. 200 pages to
start is fine.   2

    <METZGER>   2a

        (RAM4)   2a1

        Richard A Metzger
        Rome Air Development Center
        (ISCP)
        Griffiss AFB NY 13441   2a1a

            (315) 330-7013   2a1a1

    <ROBINSON>   2b

Groups and Directories at BBNB for RADC

<div>

(RAR3)   2b1

    Richard A Robinson
    Rome Air Development Center
    (ISCP)
    Griffiss AFB NY 13441   2b1a

      (315) 330-7746   2b1a1

<PANAS>   2c

  (LRP)   2c1

    Leon R Panas
    Rome Air Development Center
    (ISCP)
    Griffiss AFB NY 13441   2c1a

      (315) 330-7746   2c1a1

</div>

Also please create an IBM group at BBNB. We do not have the IBM
individuals names yet, but a directory <CAVANO> with 200 pages
(password and initials file JPC) should be created under the IBM
group. He is the RADC project engineer on the IBM effort, and will
need a directory at BBNB to follow their work. NO changes in ident
system of Journal delivery are anticipated.   3

Groups and Directories at BBNB for RADC

(J33774) 29-OCT-75 15:57;;;; Title: Author(s): Duane L. Stone/DLS;
Distribution: /JCN([ACTION]) BJP([ACTION]) FEED([ACTION])
FJH([INFO-ONLY]) MAW([INFO-ONLY]) TFL([INFO-ONLY]) JPC([
INFO-ONLY]) RJC([INFO-ONLY]) JLM([INFO-ONLY]) FJT([INFO-ONLY
]) ; Sub-Collections: RADC; Clerk: DLS;

33774 Distribution
    James C. Norton, Buddie J. Pine, Special Jhb Feedback, Francis J.
    Hilbing, Mike A. Wingfield, Thomas F. Lawrence, Joseph P. Cavano,
    Roberta J. Carrier, John L. McNamara, Frank J. Tomaini,

Policy Statement Needed on 'Division' Resources

From where I sit there are several problems that need to be resolved
at Division level. We need a policy statment on the use of NLS, FMS,
projects 5550 & 5581 and the PSO. I feel that these are Division
resources and should be explicitly recognized as such.   1

   Since the installation of the display terminals for NLS, there has
   been a random demand to "get me on the system" from people through
   out the Division. The terminals, CPU cycles, training etc. that
   we have are still limited. They can be increased quite readily in
   the next two months, if resources are made available. I will be
   most happy to prepare a plan for internal expansion of NLS, if I
   have a clear idea of the intent of Branch and Division management.   1a

   The recognition and manning of a PSO is most important in
   considering any expansion of NLS. Without proper personnel
   support to compensate for people's lack of knowledge of NLS while
   they are learning, the intoduction will be undully delayed.   1b

   There is the possibility that 5550 & 5581 will be considered ISI
   projects if the project engineer, control, etc. are not explicitly
   moved to Division level. This fear is unfounded at this time, but
   it would be better to make things clear in the beginning.   1c

Policy Statement Needed on 'Division' Resources

(J33775)   29-OCT-75 16:35;;;;   Title: Author(s): Duane L. Stone/DLS;
Distribution: /RDK([ACTION]) FJH([ACTION]) FJT([ACTION])
JLM([ACTION]) RN2([ACTION]) DRL2([ACTION]) RJC([ACTION])
RBP([ACTION]) ELF([ACTION]) ; Sub-Collections: RADC; Clerk:
DLS;

33775 Distribution
Robert D. Krutz, Francis J. Hilbing, Frank J. Tomaini, John L. McNamara, Richard Nelson, Daniel R. Loreto, Roberta J. Carrier, Roger B. Panara, Edward F. LaForge,

After scanning the minutes of the last KWAC meeting in October, I
have collected most of the suggestions that we felt needed some
action. This is a first try to collect these topics and present them
to ARC for futher discussion. By adopting a more formal
presentation of our views on the system it is hoped that we can
obtain more concrete results than has been the rule in the past.

Could you take some time out of you day to go over this Journal item
and make any suggestions that you think would improve our
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the system. Some areas that you are particulariry interested in may
have been ommitted , so I would appreciate you comments and
suggestions,

1

During the last KWAC meeting in Boston, many topics were discussed
that relate to improving service at Office-1. Most of these topics
concern action that must be taken by ARC and are therefore out of the
hands of the architects. However, after scanning the minutes of that
meeting I have collectd most of the topics that we felt needed action
and futher clarification. This is an outline of some of the topics
that KWAC would like ARC to take action on.   2

NLS   3

  HELP SUBSYSTEM   3a

    This is a very usefull subsystem and should be
    maintained, however 3a1

    Long printouts in TNLS   3a2

    Lacks complete descriptions., i.e. filter
    patterns descriptions   3a3

  BATCH   3b

    This feature would be very valuable. The idea
    would be to stack large time consuming jobs for
    latter processing during slack periods, say at
    nig Can this feature be implimented?ht, This

could include Output Processor runs, COM test and

DEX input.   3b1

COMPATABILITY WITH OTHER SYSTEMS   3c

Can NLS message system be made more compatable

with sndmsg systems?   3c1

Can Journal citations be made to be compatable

with message systems across the net?   3c2

SCREEN REFRESH PROBLEM   3d

This problem can be very annoying especially

during heavy system loads. The problem occures

when you try to delete a character or word in the

text that is being displayed on the DNLS screen.

After the command accept is given the entire

screen will refresh just to institute the change

in the text.   3d1

TYMESHARE   4

1) speed up file restore time from archives   4a

2) make arrangements for the operator to be on hand to

answer questions when some NLS user tries to link to him.   4b

JOURNAL   5

Access across NET to many host, Can some form of network
FTP be worked out to allow non Office-1 users to reach
cited journal articles? This is a particular problem for
journal items that are sent to other users on the network
at hosts other than Office-1, One approch would be to
deliver the actual document into the person's mailbox, A
better approach would be to allow an FTP for the Journal
documents,   5a

Delivery time to long, can the "EXPEDITE" feature be
expedited?   5b

USER SERVICES   6

   USER STATISTICS / GROUP ALLOCATIONS   6a

         Can a more detailed view be presented of the
         "USER STATISTICS" at the end of each month or
         durning on-line running time?   6a1

   APPLICATIONS PROGRAMMER   6b

         When will a person be available for this area,
         Cost? Can this be part of user slot cost?   6b1

   TRAINING   6c

         Can we buy more training or less training than is
         provided with each slot?   6c1

What about group training in such (higher level?)

areas as L-10, CML and User Programs?   6c2

COST STRUCTURE   6d

We would like to see a reasonably detailed

description of the pricing policy for the coming

year (for 1 slot)?   6d1

Just what do we get for our $$ K for the slot?

User services, training,documents, etc.   6d2

How can we be assured of "getting what we paid

for"?   6d3

EQUIPMENT   6e

What type and amount of equipment do we get with

our slot?   6e1

Can exchanges be made in equipment?   6e2

Purchase of Lineprocessor ?   6e3

Datamedia keyboards,.... can they be replaced?   6e4

DOCUMENTATION   6f

....   6f1

PERFORMANCE   6g

The feeling conveyed was that Office-1 has a poor
up time record (75% according to Ron Uhlig).
This may be due to failure to consider
"scheduled" down time each day (about 3 hours
out of 24), What is being done to improve up
time during peak working hours?   6g1

TEMPORARY SLOT   6h

Can a proceedure be set up where by we can
purchase "extra" compute power during prime day
time shifts?   6h1

Can some form of an "extra" slot be purchased on
a temporary basis?   6h2

We would like to see some mechanism that would
enable us to obtain "extra" services for some
finite length of time, say for three weeks during
a very heavy work period,   6h3

How do we obtain "special" priority for demos?   6h4

How often does this type of "gift"
occure and what effect does it have on
other user services?   6h4a

SELLING WINDFALL   6i

The idea of selling windfall seems to be one of
merit, so long as the user is getting all the
services that are associated with his/her slot.
Selling windfall may be the answer to the
question of purchasing extra compute power,   611

Would you (ARC) consider selling windfall?   612

Can you supply a rate schedule for such extra
service?   613

(J33776) 30-OCT-75 06:54;;;; Title: Author(s): Robert M.
Sheppard/RMS2; Distribution: /AID([ACTION]) ; Sub-Collections: NIC
AID; Clerk: RMS2; Origin: < SHEPPARD, POSITIONPAPER,NLS;10, >,
30-OCT-75 06:12 RMS2 ;;;;####;

33776 Distribution
Sri User, Lawrence A. Crain, E. S. VonGehren, Glenn A. Sherwood,
Frank G. Brignoli, Inez M. Mattiuz, Connie K. McLindon, David A.
Potter, Terry H. Proch, Robert M. Sheppard, Duane L. Stone, Stanley
M. (Stan) Taylor, Ronald P. Uhlig,

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(J33777)   30-OCT-75 06:56;;;;   Title: Author(s): Robert M,
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Clerk: RMS2;   Origin: < SHEPPARD, POSITIONPAPER,NLS;10, >,
30-OCT-75 06:12 RMS2 ;;;;####;

33777 Distribution
   David A. Potter,