ICCC Tasks for ARC People

These are the tasks for the ICCC demo of which I am presently
aware, I think I have talked to each of the peple involved if I
have overlooked anything please let me know. I'll be back from
vacation July 31.

ICCC Tasks for ARC People

ICCC Net Demonstration Tasks rww	1
General Tasks for ICCC	1a
ICCC Demo planning coordination with other net participants. rww jew (ongoing task until conference)	1a1
Coordination with Tymshare and helping get them on net. mdk (probably needs to happen by mid august)	1a2
Coordinate with IMLAC to get them to supply 2 IMLAC PDS-1 's with appropriate hardware to run NLS. jew (arrangements to be made probably before Aug 1)	1a3
ARC Specific Tasks (all tasks to be completed by Sept. 1 if at all possible)	1b
Local arrangements for ARC dvn	1b1
Arrangemnts needed as known now:	1b1a
hotel rooms (do we want a suite for special private demos?)	1b1a1
terminals which we must bring , maybe TI and DEX units.	1b1a2
tables for ARC booth	1b1a3
Bookcase or other units to display documentation in booth	1b1a4
phone in booth with jacks for headset	1b1a5
Arrange site backup at SRI during Demo days jcn	1b2
Documentation for Demo rww jbn feinler meyer wlb others	1b3
scenerio booklet	1b3a
condensed resource notebook	1b3b
pocket foldout card(s)	1b3c
updated NIC func docs produced on COM	1b3d
Novice mode commands and HELP for TNLS jew	1b4

ICCC Tasks for ARC People

Query capability particularly for TNLS and if time DNLS
jfv   1b5

Output to COM and maybe PHOTON   wlb   Meyer   1b6

   Need to have picked a service probably by 21 July.   1b6a

   Need design of func doc layout jbn rww meyer wlb   1b6b

   Need output to COM before wlb goes on vacation   1b6c

Organize various NLS Demo's   jcn   1b7

   general NLS features   1b7a

   SEAS   1b7b

      some good discussions wre held in SEAS planning
      meetings on such demos   1b7b1

   DSS   1b7c

   other   1b7d

Archive a file to UCSB and be able to get it back   jew   1b8

The Journal may need some mods or ident system to allow
people to easily get entered and send some messages.   This
needs a design   chi jdh rww   1b9

Dialog between linked DNLS consoles   chi kev   1b10

Collect net documentation feinler   jbn   1b11

Get ARC user and other documentation in shape and out on
COM   mfa dvn wlb Meyer jcn others   1b12

Demo crew and their training jcn rww   1b13

   ARC stuff   1b13a

   Net stuff   1b13b

ICCC Tasks for ARC People

(J11056) 14-JUL-72 11:36;   Title: Author(s): Richard W. Watson/RWW;
Distribution: Kirk E. Kelley, N. Dean Meyer, Joy A. Glenn, Kay F. Byrd,
Ralph Prather, James E. White, Augmentation Research Handbook, Jacques
F. Vallee, Diane S. Kaye, Paul Rech, Michael D. Kudlick, Don Limuti,
William 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, Cindy Page, William H. Paxton, Jeffrey C.
Peters, Jake Ratliff, Barbara E. Row, Ed K. Van De Riet, Dirk H. van
Nouhuys, Kenneth E. Victor, Donald C. Wallace, Richard W. Watson, Don I.
Andrews/SRI-ARC; Sub-Collections: SRI-ARC SRI-ARC; Clerk: RWW;
Origin: <WATSON>ICCCTASKS.NLS;3, 14-JUL-72 11:32 RWW ;

RFC # 373

ARBITRARY CHARACTER SETS   1

by John McCarthy   2

3

It would be nice to be able to have documents stored in
computers that could include arbitrary characters and to be
able to display them on any CRT screen, edit them using any
keyboard, and print them on any printer. The object of this
memorandum is to suggest how to get there from here with
special reference to the ARPA network.   4

Where are we now?   5

(1) At present, there is 96 character ASCII, and everyone
agrees that it should be included in any larger set.   5a

(2) Many installations are dependent on 64 character sets
which do not even include the lower case latin alphabet.   5b

(3) At the Stanford Artificial Intelligence Laboratory, we
have a 114 character set that includes 96 character ASCII
and which is implemented in our keyboards, displays, and
line printer.   5c

(4) Printers are becoming available that get their character
designs out of memory, for example, the Xerox XGP printer,
one of which we are getting.   5d

(5) The IMLAC type dislay has the character designs in main
memory so that changing the displayed set is just a matter
of reloading the memory.   5e

(6) Many display systems share the character generator among
many display units. In some of these, e.g. the Datadisc,
arbitrary sets are probably feasible (using kludgery to be
described later), but in other systems, e.g. our III's,
arbitrary sets are not feasible.   5f

One possible approach to communication in expanded character
sets is to produce an expanded standard set of characters,
perhaps using 8 or 9 bits and expect new equipment to implement
this set. This approach has the disadvantage that it will be
very hard to get agreement on what the next step should be, and
even if formal agreement is realized, many groups will find it
in their interests to ignore the standard.   6

Therefore, I would like to suggest that the next step be to
arbitrary character sets. I suggest implementing this in the
following way: 7

   (1) There be established a registry of characters. Anyone
   can register a new character. Each character has a unique
   number, 17 bits should be enough even to include Chinese.
   Besides this, each character has a name in ASCII usually
   mnemonic. Finally, the character has a design which is a
   picture on a 50 by 50 dot matrix.   7a

   (2) Besides the registry of characters, there is a registry
   of character sets, which different groups are using for
   different classes of documents. A registered character set
   has a registry number and a table giving the correspondence
   between the character codes as bit sequences and the
   registered character numbers.   7b

   (3) Associated with a document is a statement of the
   character code used therein. This may be one of the
   registered codes or it may contain in addition modifications
   described by an auxiliary table giving the code
   correspondence with registered character numbers. A
   character code may have an escape character that says that
   the next character is described by its registry number. The
   statement of the character code may be a header on the
   document or the receiver may have to learn it by some other
   means, e.g. because its library catalog entry contains this
   information.   7c

   (4) Devices such as printers and displays draw characters in
   different ways and standardization doesn't seem feasible at
   present. Therefore, it is necessary to provide a way of
   going from the standard description of a character using a
   50 by 50 dot matrix to whatever method the device uses.
   This is up to the programmers who are supporting the device.
   Some may choose to manually create files describing how
   registered characters are implemented. They may find it too
   much work to provide for all the characters and to update
   their files when new characters are registered. Others will
   provide programs for going from the registered descriptions
   to descriptions compatible with their implementations.
   Perhaps most will hand tailor the characters most used and
   provide a program for the others.   7d

(5) The easiest device to handle is the line printer because
it is slow. At the beginning of the print job, the SPOOL
program will look up the character set and load the
printer's memory with the character designs used in the
particular document. Sometimes, it may have to go through
the network to one of the computers that stores the registry
in order to find out what to do.   7e

(6) Display systems that have a character memory for each
display unit can be handled in about the same way. Users
will occasionally experience delays when the display
programs are surprised by unfamiliar characters.   7f

(7) Display systems that share character memories require
more complicated treatment. The object is to keep the
memory large enough to keep all the characters that the
current set of users is using and to handle the required
table lookups from the different character codes in a nice
way.   There will be limitations on the diversity of
character sets that can be in use simultaneously.   Systems
like the Datadisc that only look up the character when it is
first written can be extended to work with large sets.
Systems that have to look up each character code 30 times
per second in order to maintain the display won't work so
well.   7g

I have no special ideas about how to make keyboards adaptable
to arbitrary sets. Each user may have to fend for himself.   8

In this memorandum so far, I have ignored typography, i.e. the
fact that in printed documents the same letter may be printed
in many fonts. Perhaps, each character in each font will
require a separate registered description, but with a constant
difference between the numbers of the same character in
different fonts. Installations will again have to decide what
font distinctions they will implement.   9

Some other issues that might be considered are whether means
can be provided to adapt texts automatically to the line and
page lengths of the different devices.   10

It seems to me most likely that the typographical problems
cannot be solved at this time,   and it would be best to adopt
conventions for registering character designs at this time, and
leave typography for later.   11

In my opinion, there is no real obstacle to establishing the
registry in the ARPA network now, getting the standards
organizations to work, and being able to exchange documents in
extended character sets as soon as the various installations
can acquire the printers and display devices.   12

It is the present policy of the Stanford Artificial
Intelligence Laboratory to acquire no more devices that are
wedded to fixed character sets.   13

(J11058) 14-JUL-72 12:41;   Title: Author(s): John McCarthy/JMC;
Distribution: Ronald M. Stoughton, Jeanne B. North, Schuyler Stevenson,
Charles Holland, Karl C. Kelley, Steve D. Crocker, Thomas F. Lawrence,
John W. McConnell, John F. Heafner, Robert E. Long, Ari A. J.
Ollikainen, James E. White, A. Wayne Hathaway, Dan L. Murphy, Patrick W.
Foulk, Richard A. Winter, Harold R. Van Zoeren, Alex A. McKenzie, Robert
L. Sundberg, Joel M. Winett, Abhay K. Bhushan, Peggy M. Karp, Thomas N.
Pyke, Abe S. Landsberg, B. Michael Wilber, James A. Moorer, Edward A.
Feigenbaum, Robert T. Braden, James M. Pepin, Barry D. Wessler, John T.
Melvin, John C. LeGates, Art J. Bernstein, C. D. Shepard, Robert F.
Hargraves/NWG; Sub-Collections: NIC NWG; RFC# 373; Clerk: JEW;
Origin: <SU-AI>STRUC.NLS;3, 14-JUL-72 12:23 JMC ;

Comments on PODCOM reshuffling proposal (11041)

The views expressed in this document are not necessarily those of
the Journal medium, and equal facility will be provided for
expressing other viewpoints.

Comments on PODCOM reshuffling proposal (11041)

I have two comments for PODCOM on 11041, the proposed POD
reshuffling.   1

The first comment concerns the specific proposed reshuffling and
the mechanism used for arriving at it and is unprintable.   2

The second concerns the concept of reshuffling, which seems to me
to be a vacuous and impotent thing for PODCOM to propose under
the existing conditions.   3

   The existing conditions are that PODCOM has spent three months
   discussing PODAC, with some representational dialog with the
   PODs, in the attempt to arrive at a framework for PODAC
   evolution. If such a framework has been formulated and
   accepted, I for one am unaware of the fact, and in the absence
   of some such framework, I feel that it is arrogant of PODCOM
   to decree ("propose") an arbitrary reshuffling of the present
   POD structure.   3a

   Before we can possibly evaluate such a proposal on other than
   emotional grounds, we need to arrive at a framework which
   makes evident to us just what the PURPOSE of the new POD
   organization is to be.   3b

      When PODs were launched many moons ago, the existing
      organization was billed as experimental, and the duration
      of the first phase of the experiment was to be
      approximately three months. Implicit (or was it explicit)
      in the launching of this experiment was the understanding
      that at the end of the first phase an evaluative process
      would take place which would put the experiment into
      perspective and lay the foundations for continuing,
      modifying, or terminating it in the light of the
      conclusions made in this evaluative process regarding how
      much progress the POD organization has made toward
      accomplishing the goals of PODAC.   3b1

      What evaluative processes have been attempted have reached
      no expressed conclusions, and we have no framework for
      PODAC evolution in which to discuss ANY specific proposals
      for changing (or not changing) the POD organization.
      Frankly, we don't know what the hell is going on. In this
      context, the PODCOM reshuffling proposal is pure bullshit,
      and if that is the best PODCOM has to offer us, then
      perhaps PODCOM -- and maybe the POD organization itself --
      has earned oblivion.   3b2

Comments on PODCOM reshuffling proposal (11041)

(J11059) 14-JUL-72 12:49;   Title: Author(s): Walt Bass/WLB;
Distribution: Kirk E. Kelley, N. Dean Meyer, Joy A. Glenn, Kay F. Byrd,
Ralph Prather, James E. White, Augmentation Research Handbook, Jacques
F. Vallee, Diane S. Kaye, Paul Rech, Michael D. Kudlick, Don Limuti,
William 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, Cindy Page, William H. Paxton, Jeffrey C.
Peters, Jake Ratliff, Barbara E. Row, Ed K. Van De Riet, Dirk H. van
Nouhuys, Kenneth E. Victor, Donald C. Wallace, Richard W. Watson, Don I.
Andrews/PODAC; Sub-Collections: SRI-ARC PODAC; Clerk: WLB;
Origin: <BASS>PODM.NLS;1, 14-JUL-72 12:45 WLB ;

this is a mmessage   1

(J11060)   14-JUL-72 15:17;   Author(s): John McCarthy/JMC;
Distribution: James E. White/JEW; Sub-Collections: NIC; Clerk: JMC;

Joy's experimenting

I'll catch eventually.

Joy's experimenting

I am experimenting with journal. So bear with my mistakes. jag.   1

Joy's experimenting

(J11064)   17-JUL-72 10:16;   Title: Author(s): Joy A. Glenn/JAG;
Distribution: J. D. Hopper/JDH(I'll come to get some assistance so I can
understand what I'm doing); Sub-Collections: SRI-ARC; Clerk: JAG;

searching

still experimenting

searching

<KJOURNAL>11065.NLS;1, 17-JUL-72 13:23 XXX ; .HJOURNAL="JAG
17-JUL-72 10:27 11065"; Title: Author(s): Joy A. Glenn/JAG;
Distribution: J. D. Hopper/JDH; Sub-Collections: SRI-ARC; Clerk:
JAG;
Origin: <GUEST>JAG.NLS;1, 3-JUL-72 9:27 JAG ;

mess

You can ignore this. I am experimenting with journal in order to
find some of the bugs.   1

mess

(J11066)   17-JUL-72 10:34;   Title: Author(s): Joy A. Glenn/JAG;
Sub-Collections: SRI-ARC; Clerk: JAG;

I can't get no satisfaction

<DEUTSCH>TIP.NLS;3, 17-JUL-72 18:04 LPD ;   1

   I have been having a great deal of trouble with the AMES TIP,
and I have gotten no meaningful cooperation from site
personnel: 1a

      Calls reporting difficulties with individual lines,
directed to the number I have been given for complaints
(965-5011), have produced no effect at all;   1a1

      The person I was directed to from that number, Dr.
Linebarger, has been unavailable on both of the times I
have tried to call him; on one occasion I requested him to
call me back and he did not;   1a2

      I have to dial an average of three different numbers before
I find one that works: this number has been constant over
time and if anything has been increasing recently.   1a3

      In fact, after trying six different numbers this evening,
and calling the NCC to verify that the TIP was up, i dialed
the NIC computer directly to write this document and
eventually use TELNET to replace the TIP.   1a4

   I have been getting good cooperation from the NCC, but there
is apparently nothing they can do about the absurdly poor
quality of the interface equipment at AMES.   1b

   This journal document is a last resort attempt to get some
action out of those responsible for the functioning of the
network.   1c

I can't get no satisfaction

(J11067) 17-JUL-72 18:08;   Title: Author(s): L. Peter Deutsch/LPD;
Distribution: AMES-TIP, Alex A. McKenzie, Lawrence G. Roberts, Steve D.
Crocker, Richard W. Watson/AMES-TIP AAM LGR SDC2 RWW; Sub-Collections:
NIC AMES-TIP; Clerk: LPD;

<BBN-NET>JCRL.NLS;8, 17-JUL-72 18:08 TRS ;   1

Hi,

1a

I hope you are all recovered and in good health again. I
finally managed to get something into the NIC with the
expectation it will get mailed to you and/or that you will see
it next time you log in to the NIC.

1b

The overhead for learning to use NLS and the NIC was
a good deal larger than I'd anticipated. It took me about 20
hours to read through the user guide (NIC 7590) and to play
enough with the system to feel comfortable with it.
Bob Kahn and Bob Thomas were both at SRI   during
the week of July 3, and they have brought back the good news
that
both a beginner version of the user guide and a simpler user
interface
for short messages are forthcoming.

1c

Bob Kahn is anxious to demonstrate the NIC to attendees
of ICCC, so he is pushing for getting these
simplifications
implemented over the next few months.

1c1

My first impressions of using NLS/NIC relative
to the speech project are that we should definitely begin
to use the journal facilities of the NIC for sending
memos, reports by mail to each other ASAP. However,
I have mixed feelings about the value of having each site try
to
send messages to each other or try to use the NIC on-line
given the current state of NIC service. I feel we would
be better off implementing the file transfer protocol on each
of our machines, and sending messages plus short
correspondence to each
other directly via this FTP route.

1d

Implementation of the file transfer and data transfer
protocols would also be useful to accessing the Lincoln

attempt at initial communication via nic

data base.

In its current status, the NIC does not appear to be
well suited to any message handling
requirements of the speech project
. The current message entering procedures via
NLS are cumbersome; especially when non-display terminals
are
utilized.

It is worth noting that IMLAC terminals can be converted
to fairly reasonable NLS display terminals with the
addition of
a mouse and key set plus some software developed by
peter deutsch
and available from Xerox PARC. We are
in the process of doing this conversion to our IMLAC
here
at BBN.

The SRI-ARC Host, like most of the hosts on the
ARPANET, is just not up to the level of reliability
one needs for fast, guaranteed turn around for messages. If
the NIC
gets serviced by a commercial outfit (with expected higher
service
reliability as well as backup service.), the speed and
guarantee
requirements could be met but it's not clear that the
necessary
convenience for short messages would be there. This
convenience
would be offered by communicating all messages machine to
machine
via the file transfer protocol which would result in one's
seeing all his messages on his local host machine. Each
host would
have to notify its users , on login, if they had some
messages
(The TENEX system already has this capability), and some
conventions would have to be set up about naming message
files and

            appending messages to such files consistent with the
            current
            ARPANET FTP protocol.

<div align="right">1d3</div>

    In order to get the ball rolling on the speech project's use
    of the
    ARPANET, it seems appropriate for each speech
    contractor to have a guy who is responsible for the
    ARPANET/speech project co-ordination. (This is one of
    the roles I play at BBN.) This co-ordination role would
    consist, initially, of learning to use the NIC, getting people
    geared up to sending reports around through the NIC, and being
    responsible for implementation of the FTP on his localhost.

<div align="right">1e</div>

    I propose to help set this up by contacting each of the
    contractors
    and asking them to assign the ARPANET/speech
    project co-ordination role to someone in their groups.
    My opinion is this would be most effective if this is
    done by personal visits to each site, and I would like some
    inputs
    from you about how to time this. If you'd like us to set up
    this
    network co-ordination prior to the Sept 25, 1972 SRI site
    visit,
    I should probably visit each of the 5 prime contractors prior
    to
    that time. I am planning to attend the Sept 25 site visit;so,
    I could delay visiting each of the contractor's sites until
    then
    which would cause some further delay in using the ARPANET
    but save some travel expenses.

<div align="right">1f</div>

    BBN is progressing on the approach of utilizing the digitizing
    facilities of Lincoln Labs via the phone line/ARPANET
    route we discussed. We expect to be sending bits back and
    forth in
    August (assuming the telephone company lives up to their
    end of the bargain). I will keep you posted on our progress.

<div align="right">1g</div>

    I will log into the NIC periodically to see if you have

attempt at initial communication via nic

responded to this note.

1h

attempt at initial communication via nic

(J11068)   17-JUL-72 18:22;   Title: Author(s): Ted R. Strollo/TRS;
Distribution: Ted R. Strollo, J. C. R. Licklider/TRS JCRL;
Sub-Collections: NIC; Clerk: TRS;

The following is a copy of a file which works as a letter form,
both for immediate hard copy and through the journal: 1

  It should look the same before and after journalization if the
  information is consistent.   1a

  <ROW>LETTER.NLS;9, 3-AUG-72 9:40 NDM ; .SNF=72; .H1P=FL;
  .LBHJH1=0; .HRM=72; .FRM=72; .LBS=1; .RM=65; .LFH=2; .SN=Off;
  .PES;

  .HJournal="senderident .GDT;   journal#";
  .H1="title";   1b

      .F="to/from.Split;Page .GPN;";.PN=1;.LM=36;
      Stanford Research Institute
      Augmentation Research Center
      333 Ravenswood Avenue
      Menlo Park, California   94025
      .LM=0; .GCR=4;full address.GCR=2;Dear name: .GCR=2;
      first statement   1b1

      .PFit;last statement   .Grab=10;   1b2

      .LM=36; .SNF=0;
      Sincerely,

      sendertitle
      Augmentation Research Center.LM=0;

      typist   1b3

This is what it looks like: 2

title

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

full address

Dear name:

first statement   2a1

last statement   2a2

Sincerely,

sendertitle
Augmentation Research Center

typist

To use it, make the following substitutions:

    origin statement: senderident, journal#, title

    statement 1:   to, from, name, fulladdress, first
        statement

    insert after statement 1: each paragraph should be a separate
        statement

    last statement: last statement (paragraph), sendertitle,
        typist

On-Line Letter Form

(J11070) 8-AUG-72 12:35;   Title: Author(s): N. Dean Meyer/NDM;
Distribution: Augmentation Research Handbook, Kirk E. Kelley, N. Dean
Meyer, Kay F. Byrd, Ralph Prather, James E. White, Jacques F. Vallee,
Diane S. Kaye, Paul Rech, Michael D. Kudlick, Don Limuti, William 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, Cindy Page, William H. Paxton, Jeffrey C. Peters, Jake
Ratliff, Barbara E. Row, Ed K. Van De Riet, Dirk H. van Nouhuys, Kenneth
E. Victor, Donald C. Wallace, Richard W. Watson, Don I. Andrews/SRI-ARC;
Sub-Collections: SRI-ARC; Clerk: NDM;
Origin: <MEYER>LETTER.NLS;6, 8-AUG-72 12:28 NDM ;   .HJournal="
";

THE ARC PHYSICAL ENVIRONMENT

        a special interest group   1

        pusher: Marilyn

                                        1a

A Special Interest Group will be formed to consider the ARC
physical environment.   2

    Its goal will be to make the ARC a more pleasant and
    comfortable place to be and to work.   2a

        Rationale: A great deal of effort has been put into
        improving the social environment at ARC. There must be
        some relationship between the social and the physical
        environments. Improvements in the physical environment
        may lead to improvements in other areas.   2a1

            An example: There was a time when, while the
            computer was down, people gathered around the
            round table and talked, instead of everyone
            splitting. These talks often included valuable
            exchanges of information and may have led to
            better inter-personal relationships (whatever they
            may be). Perhaps a properly decorated Parsley
            room (J2100) would let that happen again.   2a1a

        Also: It is probably worth something just to make
        people happier being here.   2a2

    THEREFORE, you are cordially invited to the first meeting of
    the ARC Physical Environment special interest group.   2b

        At this meeting, we will: 2b1

1 develop a membership list,   2b1a

2 talk about the organization of this SIG,   2b1b

3 propose projects and parameters,   2b1c

  (our first project should probably be the
  Parsley room, but then we should move on out) 2b1c1

4 whatever.   2b1d

Please join us this Thursday, August 31, at 3:00PM in
the Parsley room.   2b2

This first meeting will be a breif
"get-the-show-on-the-road" gathering.   2b3

Dean will be 'pushing' in Marilyn's absence.   2b4

(J11071) 29-AUG-72 17:09;   Title: Author(s): N. Dean Meyer/NDM;
Distribution: Guest O. ARC, Elizabeth J. Feinler, Augmentation Research
Handbook, Kirk E. Kelley, N. Dean Meyer, Kay F. Byrd, Ralph Prather,
James E. (Jim) White, Jacques F. Vallee, Diane S. Kaye, Paul Rech,
Michael D. Kudlick, Don Limuti, 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, Cindy Page, William H.
Paxton, Jeffrey C. Peters, Jake Ratliff, Barbara E. Row, Ed K. Van De
Riet, Dirk H. van Nouhuys, Kenneth E. Victor, Smokey C. Wallace, Richard
W. Watson, Don I. Andrews/SRI-ARC; Sub-Collections: SRI-ARC; Clerk: NDM;
Origin: <MEYER>APE.NLS;2, 29-AUG-72 15:01 NDM ;
.HJournal="NDM 31 AUG 72 6:46AM 11071";

QUOTES ON REPRODUCTION OF FLIP-CHARTS

Flip-charts: 1

    27" x 33"   1a

    average of 5 colors on each   1b

Printing specs: 2

    8 1/2" x 11"   2a

    60 lb. paper   2b

Quotes: 3

AVERAGE OF FIVE COLORS PER CHART

copies		
100	200	
$ 813	1006	George Litho, S.F.
598	737	in-house SRI

    3a

    3b

    3c

AVERAGE OF FOUR COLORS PER CHART

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$ 683	824	George Litho, S.F.
500	590	in-house SRI

    3d

    3e

    3f

QUOTES ON REPRODUCTION OF FLIP-CHARTS

(J11072) 18-AUG-72 8:23;   Title: Author(s): N. Dean Meyer/NDM;
Distribution: Dirk H. van Nouhuys, Richard W. Watson, James C.
Norton/dvn rww jcn ; Sub-Collections: SRI-ARC; Clerk: NDM;
Origin: <MEYER>COST.NLS;1, 17-AUG-72 17:11 NDM ;
.HJournal="NDM 25 AUG 72 2:56AM 11071";

journal trying

still trying

journal trying

<KJOURNAL>11073.NLS;1, 18-JUL-72 13:23 XXX ; .HJOURNAL="JAG
18-JUL-72 11:02 11073"; Title: Author(s): Joy A. Glenn/JAG;
Distribution: Marilyn F. Auerbach/MFA; Keywords: I don't
understand this command.; Sub-Collections: SRI-ARC; Clerk: JAG;
Origin: <GUEST>JAG.NLS;1, 3-JUL-72 9:27 JAG ;

testing journal

Hi, I am testing journal commands and you are a guinea pig. Ha,
ha. Joy.   1

testing journal

(J11074)   18-JUL-72 11:06;   Title: Author(s): Joy A. Glenn/JAG;
Distribution: Kay F. Byrd/KFB(hey, I am learning to use the journal, if
you can believe that.); Sub-Collections: SRI-ARC; Clerk: JAG;

still trying the journal

I'm still trying to learn the journal. Hope you don't mind all
these messages.   1

still trying the journal

(J11075)   18-JUL-72 11:08;   Title: Author(s): Joy A. Glenn/JAG;
Distribution: Kay F. Byrd/KFB(hi, guinea pig. ha,ha,ha.);
Sub-Collections: SRI-ARC; Clerk: JAG;

A RESOURCE NOTEBOOK CUT

The following is a cut at what seems to me to be a useful host entry for the Resource Notebook. The Notebook is herein viewed as something that should be useful to a potential or new Network user exploring the Network from a terminal, and not as something you might go hide in a corner somewhere to read to gain a feel for what the host is all about. Hence, the entry attempts to illicit answers to specific questions that might arise during a terminal session, and in general discourages the host installation from rambling on under broad headings.   1

The entry is intended to be queryable on-line of course, by the kind of program Jacques is working on. Hence, each statement of the host entry would presumably be named. To facilitate on-line interrogation of the Resource Notebook, the query program should be guaranteed, for example, that in: 2

    (System Configuration)
      (Core)
        (Amount)   2a

the statement named 'Amount' is simply a decimal number which is the number of words of core attached to the host system. With that kind of a priori knowledge about each host entry in the Notebook, the query program could presumably answer such questions as 'List all the 360/'s in the Network with at least 500K of core.'.   3

Where the host insists on attaching explanatory paragraphs (whose nature won't be known to the query program a priori) to statements in its entry, they should be inserted as separate statements (a level down presumably) so they can be ignored by the query program when appropriate, and be named so that the query program can respond blindly to the appropriate user queries.   4

The set of information I have selected as important represents only my view of the world, of course. I created it by reading through the current Notebook and extracting those items that seemed important, and then added some information that Network users with whom I come in contact always seem to need but don't have. It is intended that, where applicable, an entry have links to documents to which a user can turn on-line for more detailed information about a subject.   5

A RESOURCE NOTEBOOK CUT

A large section about use of the host's time-sharing system
is included, and hence the Notebook entry is somewhat slanted
in that direction. The reason for that fact is obvious: that
kind of activity is the one currently of concern to the largest
number of users, simply because the Network protocols to
support it have been developed and implemented in many hosts.
As other Network activities develop, the appropriate
information about them must be coaxed from each host and added
to the Resouce Notebook. It's pretty silly, however, to try
now to anticipate the kind of questions that a user will want
answered about, for example, the host's graphics system.   6

The entry outline is as follows: 7

Host Identification   7a

   Official Host Name   7a1

   Nick names (if any)   7a2

   Host Address   7a3

   Mailing Address   7a4

   Specific Network Function (if any) (e.g., NIC,NCC)   7a5

   Personnel (Name, Phone, Mailing Address)   7a6

      Caretaker of Resource Notebook Entry   7a6a

      NIC Station Agent   7a6b

      NIC Technical Liaison   7a6c

      Administrator   7a6d

      Software   7a6e

      Hardware   7a6f

      Consultant   7a6g

      Operator   7a6h

   Up History During Last "n" Months   7a7

      (From an MIT-like Survey Program)   7a7a

Preamble   7b

Comments upon or additions/deletions to this outline are,
of course, solicited from members of the NIC Planning Team.   8

A RESOURCE NOTEBOOK CUT

(J11083) 18-JUL-72 12:19;   Title: Author(s): James E. White/JEW;
Distribution: Richard W. Watson, Jacques F. Vallee, James E. White,
Jeanne B. North/npt ; Sub-Collections: SRI-ARC NPT; Clerk: JEW;
Origin: <WHITE>RNB.NLS;3, 18-JUL-72 12:18 JEW ;

ICCC Accounts Opened

The following ICCC accounts have been opened and are known to
work: 1

    At BBN-TENEXA: 1a

        USERID=ICCC
        PASSWORD=ICCC
        ACCOUNT#=11514   1a1

    At the NIC: 1b

        USERID=ICCC
        PASSWORD=ICCC
        ACCOUNT#=3   1b1

ICCC Accounts Opened

(J11084) 18-JUL-72 13:18;   Title: Author(s): James E. White/JEW;
Distribution: William W. Plummer, Robert E. Kahn, Richard W. Watson,
Peggy M. Karp, Robert H. Thomas, James E. White, Dr. Vinton G. Cerf,
Robert M. Metcalfe, Albert Vezza, Diane C. Roberts, Alex A.
McKenzie/xic3 ; Sub-Collections: SRI-ARC XIC3; Clerk: JEW;
Origin: <WHITE>ICCACC.NLS;2, 18-JUL-72 13:16 JEW ;

RESPONSE TO YOUR MESSAGES

Richard Kalin is at Applied Data Research. See the Directory,
NIC 5150 for the address of ADR (look under affiliations). Also,
I am working on the NF and RJE mailing lists........Cindy   1

RESPONSE TO YOUR MESSAGES

(J11085)   18-JUL-72 13:28;   Title: Author(s): Cindy Page/CXP;
Distribution: Jonathan B. Postel/JBP; Sub-Collections: SRI-ARC; Clerk:
CXP;

dnls preliminary user guide

Of course you know that I'm just sending oout stuff in order to
experiment with journal commands.

DNLS PRELIMINARY USER GUIDE   pages=49   1

dnls preliminary user guide

(J11087) 18-JUL-72 13:30;   Title: Author(s): Joy A. Glenn/JAG;
Distribution: Marilyn F. Auerbach, Kay F. Byrd, Barbara E. Row/MFA(just
checking it out) KFB(thought you'd like some mail) BER(told you that you
were next, ha,ha); Sub-Collections: SRI-ARC; Clerk: JAG;

messaloha

(J11088)   18-JUL-72 13:42;   Title: Author(s): Joy A. Glenn/JAG;
Distribution: Beauregard A. Hardeman/BAH; Sub-Collections: SRI-ARC;
Clerk: JAG;

messaloha

aloha. I bet you didn't intend to come back. Actually, you are
a guinea (blank). I am testing out journal commands to find
errors. So I thought that you'd like to hear from me. Surprize   1

messaloha

Thanks for lending me your undivided attention.

tnls beginners guide--contents

You can ignore this document. I am testing journal commands to
find possible errors. So you are an experiment. Hope you don't
mind.

TNLS BEGINNERS GUIDE   pages=35   1

tnls beginners guide--contents

(J11089) 18-JUL-72 13:58;   Title: Author(s): Joy A. Glenn/JAG;
Distribution: Edward E. Pollack, Thomas F. Knight, Edward R. Fiala,
Charles W. Rose, David W. Shipman, James A. Moorer, Stan L. Mantiply,
Rainer W. Schulz, Bob Van Tyul, Jeanne B. North, John T. Melvin, Kenneth
E. Victor, John W. McConnell, Peggy M. Karp, Dan L. Murphy, Rod M.
Fredrickson, Donald C. Wallace, Carl M. Ellison/†TUG; Sub-Collections:
SRI-ARC TUG; Clerk: JAG;

experimenting with the journal

I wonder if I'll get this message.

experimenting with the journal

(J11090) 18-JUL-72 14:02; Title: Author(s): Joy A. Glenn/JAG;
Distribution: Joy A. Glenn/JAG(this is my very own message);
Sub-Collections: SRI-ARC; Clerk: JAG;

don limuti is your ISAG (Institute Staff Advisory Group)
representative. He will participate in the steering committee
activaties. please submit to him any ideas or questions
you would like put to executive managment (charlie
anderson). As an example ken would like to know why it is
necessary
to have security clearances at the arc. some people feel that
ISAG
is a management trick - I really don't know where it's at, lets
ask some tough questions and find out.   1

(J11092)   18-JUL-72 17:00;   Author(s): Don Limuti/DL; Distribution:
Kirk E. Kelley, N. Dean Meyer, Joy A. Glenn, Kay F. Byrd, Ralph Prather,
James E. White, Augmentation Research Handbook, Jacques F. Vallee, Diane
S. Kaye, Paul Rech, Michael D. Kudlick, Don Limuti, William 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,
Cindy Page, William H. Paxton, Jeffrey C. Peters, Jake Ratliff, Barbara
E. Row, Ed K. Van De Riet, Dirk H. van Nouhuys, Kenneth E. Victor,
Donald C. Wallace, Richard W. Watson, Don I. Andrews/SRI-ARC;
Sub-Collections: SRI-ARC; Clerk: DL;

peter-
i would like to make the imlacs we have here at mac win with nls,
and
i understand you have programs which do basically
what is wanted. Perhaps you could give me some pointers to
relevent files
and some ideas of what is going on. --tom knight (tfk)

1

(J11093) 18-JUL-72 19:17; Title: Author(s): Thomas F. Knight/TFK;
Distribution: L. Peter Deutsch/LPD; Sub-Collections: NIC; Clerk: TFK;

To: Bob Wing   1

From: Dirk van Nouhuys   2

Subject: Usefulness of Gus Matzorkis As a Consultant to ARC   3

ARC has been going through a period of changes in medium range
goals and the character and scale of our response to external
users. These changes have exerted pressure for alterations in
our own internal organization. Mr. Matzorkis can aid us in
examining the problem and in designing mechanisms for selecting
appropriate changes and making them gracefully.   4

For many years ARC has been a rather isolated research
organization. Within the past year several research sub-programs
within ARC have matured to the point where external users are
applying them experimentally. We have undertaken new externally
oriented projects, principally the Network Information Center.
We have hired some new people whose experience and work style
suits these new directions.   5

For these and other reasons, early in the spring Doug Engelbart
set up a formal program of personal and organizational
development in ARC (PODAC). Mr. Matzorkis has consulted with us
twice, first to provide information in a general field of
organizational development and secondly to observe and discuss
the present organizational structure of ARC with particular
attention to PODAC.   6

These visits have encouraged us to seek his help further, in
particular in the light of his experience with research and
development groups (e.g., at TRW Systems) in an atmoshere more
oriented towards pressure from users than ours.   7

(J11094) 19-JUL-72 8:47;   Title: Author(s): Dirk H. van Nouhuys/DVN;
Distribution: Dirk H. van Nouhuys/DVN; Keywords: organizational
Development, consultant, OD, ; Sub-Collections: SRI-ARC; Clerk: DVN;
Origin: <VANNOUHUYS>MEMO.NLS;3, 19-JUL-72 8:40 DVN ;

hi
the list of rje group is ok with me, go ahead with the mailing
list. thanks for the address info on Kalin, but how does knowing
'Directory, NIC 5150' help ?   1

(J11097)   19-JUL-72 14:00;   Author(s): Jonathan B. Postel/JBP;
Distribution: Cindy Page/CXP; Sub-Collections: NIC; Clerk: JBP;

SRI-AI ICCC RESOURCE

I talked to Mike Wilber, SRI-AI's Technical Liaison about
resources on their PDP-10 that might be made available for ICCC.
He indicated that there was really just one of which he knew that
would be demonstratable at such a conference (since their robot
doesn't qualify as a TIP-supported terminal).   1

Steve Cole (Ext 4601) has what is apparently a fairly
elaborate question-answering system written in BBN-LISP.   I
talked with Steve this morning and he thinks an effective
demonstration could be built around it.   It appears to me that it
is something that might turn out to be frequently used from the
do-it-yourself terminals.   2

The program accepts natural language input and can converse
(in depth, it is alledged) on a number of different subjects.
Apparently it also has some subsystems with a CAI flavor.   3

The AI 10 is devoted this morning to an ARPA demonstration,
so I haven't had a chance to get a demo of the program.   I hope
to be able to do that this afternoon or tomorrow.   At the moment
it looks like a promising resource.   4

SRI-AI ICCC RESOURCE

(J11098) 19-JUL-72 14:12; Title: Author(s): James E. White/JEW;
Distribution: Robert M. Metcalfe, Richard W. Watson/rmm rww ;
Sub-Collections: SRI-ARC; Clerk: JEW;
Origin: <WHITE>COLE.NLS;2, 19-JUL-72 11:11 JEW ;

a link for you

Please be informed that you are assigned link 245 (decimal) for
use in experimentation with a console to console linking network
protocol.   1

a link for you

(J11116)   24-JUL-72 12:51;   Title: Author(s): Jonathan B. Postel/JBP;
Distribution: Robert D. Bressler/RDB2; Sub-Collections: NIC; Clerk: JBP;

Oops.. i mean Socket

previous message should say socket every place that it says link, thus the message should be: You are hereby assigned socket 245 (decimal) for use in an experimental console to console network protocol.   1

Oops.. i mean Socket

(J11117)   24-JUL-72 13:18;   Title: Author(s): Jonathan B. Postel/JBP;
Distribution: Robert D. Bressler/RDB2; Sub-Collections: NIC; Clerk: JBP;

Meeting on Choice of COM

Minutes of July 20 Meeting with DCE, JCN, WLB, and NDM on choice
of COM Service Bureau. Parameters of choice established.

Meeting on Choice of COM

On July 20, 1972, there was a meeting of DCE with JCN, WLB, and
NDM to discuss the choosing of a Computer-Output-to-Microfilm
(and subsequent hard copy production) service bureau.   1

A survey of COMs and service bureaus in Calif. was performed by
NDM prior to the meeting. (meyer,com,)   2

    Highest quality and versatility were assumed requirements.   2a

    Acceptable machines: FR-80, Comp 80 (both by III), and
    Singer 6000.   2b

    Candidate service bureaus: 2c

      George Lithograph (Comgraphics)   2c1

        S.F.   2c1a

        (12)397-2411   2c1b

        Jim Nicholson   2c1c

        salesman: Ron Faria (15)297-6606   S.J.   2c1d

        Singer-Link MS-6000   2c1e

        have platemaking, printing, punching, collating,
        and binding capablities   2c1f

        2 day turnaround   2c1g

      Data Dissemination Systems Inc.   2c2

        11161 West Pico, L.A. 90064   2c2a

        (213)478-0691   2c2b

        Mark Browm   2c2c

        Comp 80   2c2d

          2 "painted" type faces   2c2d1

        have platemaking, printing, punching, collating,
        binding, and distribution capablities   2c2e

        4 day turnaround   2c2f

Meeting on Choice of COM

Considerations in choosing a service bureau (developed during the meeting):   3

   1 PROGRAMMING   3a

      Interfacing   3a1

   2 QUALITY OF OUTPUT   3b

      Fonts   3b1

         present   3b1a

         future possibilities   3b1b

   3 GRAPHICS CAPABILITIES   3c

      Photo merging   3c1

   4 PROBLEMS IN DEVELOPING PROCESS   3d

      Problems of distance   3d1

      Time, man-months, costs   3d2

   5 COSTS   3e

      For budgeting   3e1

   6 CHANGEOVER COSTS/TROUBLE IF LATER SHIFT TO OTHER SYSTEM   3f

   7 MICROFICHE/FILM CAPABILITIES   3g

Notes on above: 4

  QUALITY OF OUTPUT   4a

    Sharpness   4a1

       DDSI has superior stick figures, and their
       "painted" fonts approach book quality, far
       superior to George's.   4a1a

    Fonts   4a2

      present   4a2a

         George has stick figures, Univers 5, and is
         expecting a gothic.   4a2a1

all are of about equal quality   4a2a1a

George does not have a disc on is
system; this makes font swapping very
time consumming (loaded from tape) and
expensive.   4a2a1b

DDSI has Univers light, a typewriter font,
and 2 "painted" fonts: a gothic and a sans
serif.   4a2a2

the painted fonts are of superior
quality   4a2a2a

future possibilities   4a2b

We may be able to encourage George to get
more fonts if we can enlist the cooperation
of Nick Szabo of Singer-Link.   4a2b1

III is offering DDSI about 200 more painted
fonts for immediate delivery at a price of
about $1000. They will get them as they are
called for by their contracts.   4a2b2

GRAPHICS CAPABILITIES   4b

DDSI claims to be able to "digitize" line drawings and
merge them with the files.   4b1

PROBLEMS IN DEVELOPING PROCESS   4c

Problems of distance   4c1

COSTS   4d

With shipping, their estimates were about the same.   4d1

ACTION: With the above considerations in mind, WLB and NDM will
visit DDSI on Tues., July 25, and George, in the company of Dean
Church, on Wed., July 26.   5

Better estimates of the volume of our jobs should be in hand
at those meetings.   5a

A good understanding of all of the above factors should be
acquired.   5b

A decision will be made shortly thereafter.   5c

3

Meeting on Choice of COM

(J11133) 24-JUL-72 15:46;   Title: Author(s): N. Dean Meyer/NDM;
Distribution: Douglas C. Engelbart, James C. Norton, Walt Bass, William
H. Paxton, Richard W. Watson, James C. Norton/DCE JCN WLB EMC;
Sub-Collections: SRI-ARC EMC; Clerk: NDM;
Origin: <MEYER>MEETING.NLS;2, 24-JUL-72 15:35 NDM ;

tip software feedback

"t closed" prints in the midst of news text, near the front.   1

"r closed" prints near the end, but still sometimes within the
news text .   2

on one occasion, i have gotten "t open mtr open" with no
subsequent strange behavior of the connection.   3

all of the above using mitre-tip via dialup, and a 30 cps
terminal.   4

the allocate bug seems to happen to me regularly when connected
to rand, via mitre, but i have not noticed it at the nic.   5

the news feature seems like a great idea.   6

....buz owen (saac)   7

tip software feedback

(J11134) 24-JUL-72 19:31; Title: Author(s): A. D. (Buz) Owen/ADO;
Distribution: David C. Walden/DCW3; Sub-Collections: NIC; Clerk: ADO;

The Content Analyser is Too Slow

The content analyzer offers wonderful vistas in semi-automatic
editing, but they are largely untouched for several reasons. One
important reason is the content analyzer takes too much central
processor time.   1

For example, I have written the following content analyzer
pattern which searches for print directives set off by angle
brackets.   2

    (dearangle)['< UL 1$12L ('> / '= (1$12LD / '" $72CH '")
    '>)];xx   2a

    It is a good pattern in that it seems to find all print
    directives and very little else.   2b

        Perhaps it could be written more efficiently.   2b1

    I tried to run it recently on a 300-page file. After 2:20
    processor minutes in 39 minutes clock time I gave up. I had
    goten through about 100 pages of the file.. I have not
    repeated the experiment.   2c

Instead, when I want to find print directives I use the following
simpler pattern.   3

                                                                       3a
    ['< UL L];   3a1

Or, when I am looking for the usual delimiters: 3b

    ['. UL L];   3b1

When it is earching for the normal delimiters (,3b1) catches
about half directives and half other things in normal text.   3c

I have to make the pass cut myself which defeats the purpose
of the content analyzer.   3d

If a system is to be widely attractive for semi-automated
editing, patterns as complex as 2a above should run with speed
more nearly approaching that of the sorts.   4

The Content Analyser is Too Slow

A facility to interrogate network resources

This outlines a service to be demonstrated at the ICCC conference
and providing a simple-minded way of getting 'resource notebook
type info   from a teletype.

PROPOSAL FOR ICCC DEMONSTRATION OF A NEW NIC SERVICE:
ON-LINE INFORMATION ON NETWORK FACILITIES.   1

At the ICCC Conference next October we will be demonstrating a
simple, terminal-oriented NIC service that uses a very
straightforward query program. The aim of this effort is NOT
to introduce generalized interrogation features into NLS or
anything of the sort, but only to use existing facilities in
the simplest possible way.   1a

With this in mind, I have tried to produce a quick path to the
information that is currently buried in the Resource Notebook.
There are several constraints on the interrogation language to
be offered: it must require no training in NLS. It must be
easy to use by someone walking off the street, and it must
operate comfortably on a teletype. This means that we cannot
afford any sort of complex hierarchical structure, but instead
we need to pack the main information into reference tables
that can be typed fast.   1b

The proposed service will be simple to operate and simple to
update. It will consist essentially of one user program, named
query, and one information file, named index. The program
triggers printing selected statement groups in response to the
user typing one letter commands. The sites are numbered in
sequence and are referenced by number so that the user is
never given a chance to misspell anything.   1c

Condensed entries are prepared from the Resource Notebook and
will give a quick overview of the services of each site, its
login procedure, etc. In addition, indices are provided
(either in straight index or tabular form) for the main items
of interest, namely: 1d

    Site names   1d1

    Staff   1d2

    Computers   1d3

    Peripherals   1d4

    Terminals   1d5

    Programs   1d6

We need to experiment with this scheme in two directions: i)
Testing the ease of operation of the service from teletypes
under various conditions, ii) experimenting with various

A facility to interrogate network resources

degrees of detail in the responses that are typed out,
especially in regard to tables.   1e

A facility to interrogate network resources

(J11136) 25-JUL-72 11:03; Title: Author(s): Jacques F. Vallee/JFV;
Distribution: Kirk E. Kelley, N. Dean Meyer, Joy A. Glenn, Kay F. Byrd,
Ralph Prather, James E. White, Augmentation Research Handbook, Jacques
F. Vallee, Diane S. Kaye, Paul Rech, Michael D. Kudlick, Don Limuti,
William 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, Cindy Page, William H. Paxton, Jeffrey C.
Peters, Jake Ratliff, Barbara E. Row, Ed K. Van De Riet, Dirk H. van
Nouhuys, Kenneth E. Victor, Donald C. Wallace, Richard W. Watson, Don I.
Andrews/SRI-ARC; Sub-Collections: NIC SRI-ARC; Clerk: JFV;
Origin: <VALLEE>DEMO.NLS;3, 25-JUL-72 10:48 JFV ;

new jsies

this is the description of two new jsies to be implemented soon
in our version of monitor 129. they are the first step in not
having to specify device type to nls.

new jsies

1

SINDT - jsys 401 - set job ident (for nls)   2

   accepts: 2a

      in 1 and 2:   user ident   2a1

   returns: 2b

      +1: always, having set the user job ident   2b1

                                                               3
RINDT - jsys 402 - read job ident   4

   accepts: 4a

      nothing   4a1

   returns: 4b

      +1: always, with user job ident in 1 and 2   (1 and 2 will
      be zero if this job has not issued a SINDT)   4b1

new jsies

(J11137) 25-JUL-72 11:15;   Title: Author(s): Kenneth E. Victor/KEV;
Distribution: Kirk E. Kelley, N. Dean Meyer, Joy A. Glenn, Kay F. Byrd,
Ralph Prather, James E. White, Augmentation Research Handbook, Jacques
F. Vallee, Diane S. Kaye, Paul Rech, Michael D. Kudlick, Don Limuti,
William 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, Cindy Page, William H. Paxton, Jeffrey C.
Peters, Jake Ratliff, Barbara E. Row, Ed K. Van De Riet, Dirk H. van
Nouhuys, Kenneth E. Victor, Donald C. Wallace, Richard W. Watson, Don I.
Andrews/SRI-ARC; Sub-Collections: SRI-ARC; Clerk: KEV;
Origin: <VICTOR>NEW-JSIES.NLS;2, 25-JUL-72 11:09 KEV ;

Time Cards Early in the Week

Kay posted the timecards early this week so that people can   fill
out the subnumbers rationally without having to think back 4 or 5
days to what they did.   1

   From now on they will appear on Monday.   1a

Time Cards Early in the Week

(J11139) 25-JUL-72 11:22;   Title: Author(s): Dirk H. van Nouhuys/DVN;
Distribution: Kirk E. Kelley, N. Dean Meyer, Joy A. Glenn, Kay F. Byrd,
Ralph Prather, James E. White, Augmentation Research Handbook, Jacques
F. Vallee, Diane S. Kaye, Paul Rech, Michael D. Kudlick, Don Limuti,
William 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, Cindy Page, William H. Paxton, Jeffrey C.
Peters, Jake Ratliff, Barbara E. Row, Ed K. Van De Riet, Dirk H. van
Nouhuys, Kenneth E. Victor, Donald C. Wallace, Richard W. Watson, Don I.
Andrews, Duane L. Stone/SRI-ARC DLS(action arising from our meeting);
Sub-Collections: SRI-ARC; Clerk: DVN;
Origin: <VANNOUHUYS>TIME.NLS;1, 25-JUL-72 11:06 DVN ;

Visit by AF/DA

Have been visiting with Frank Allen and Maj Broadbent and they
would like to experiment with the Execuport over the network.
Can you spare a little time and give them someinstruction???

Visit by AF/DA

(J11140)   25-JUL-72 12:59;   Title: Author(s): Duane L. Stone/DLS;
Distribution: Robert Logan/RL; Sub-Collections: RADC; Clerk: DLS;

DEAR BARB,

THANKS FOR YOUR MESSAGE. I AM SORRY THAT IT HAS TAKEN ME SO
LONG TO REPLY, BUT I HAVE NOT BEEN USING ARPA MUCH OF LATE.   IN
RESPONSE TO YOUR QUESTION REGARDING THE MISSING CHARACTERS IN MY
LAST MESSAGE: THE PROBLEM IS NOT IN YOUR SYSTEM, BUT IN OUR
EXECUPORT TERMINAL WHICH HAS A STICKY SPACE BAR.
    THANKS FOR YOUR CONCERN.

                              ARNIE   1

(J11141) 25-JUL-72 14:25; Title: Author(s): Arnold M. Ostebee/AMO;
Distribution: Barbara E. Row/BER; Sub-Collections: NIC; Clerk: AMO;

NIC TNLS Class, August 10-11, 1972

Following results so far on survey for attendees to August 10-11, 1972, NIC TNLS class: 1

    SRI Artificial Intelligence Group   1a

        Richard Fikes and Steve Coles both will attend. They will
        see Cindy Page for the material that might be needed in
        preparation for the course. No further action on our part,
        except that I will phone them again a couple of days before
        the class and remind them of it. Told them to be here no
        later than 9 AM on Aug. 10.   1a1

UCLA   2

    Ari Ollikainen tells me that the following will attend from
    UCLA: 2a

        Jean d'Fucci - will fly in Wednesday evening Aug. 9. Have
        made a single reservation for her at the Mermaid Inn,
        checkout Friday. Will need materials for class. Same
        address and phone number as Ari.   2a1

        She prefers JDF for her ident; in case of conflict with a
        possible other JDF, please use JHD.   2a2

        Ari Ollikainen - will drive up on Wednesday but will not
        need a reservation on Wednesday evening. Made a
        reservation for him for 6 PM checkin at the Mermaid Inn,
        evening of Thursday August 10. Departure Saturday morning,
        Aug. 12. Cindy should phone him to find out what she has
        to send him, if anything, that he does not already have.   2a3

University of Illinois   3

    Found that Marcia Trager is no longer there; Katie Howe is
    temporarily - part time - taking her place. Phoned Karl
    Kelley at home this morning (7/21), since had not been able to
    get in touch with him, and he said that they have not yet been
    able to settle on a permanent Station Agent. He could not
    send anyone this time, but he would like to feel that he could
    tentatively have a place in the next class.   3a

National Security Agency, Washington, D.C.   4

    Phoned Stephen Walker, but never could get in touch with him.
    Finally today (7/21) talked to Jim Tippitt who says that Steve
    is planning to come (away from the office on a camping trip at
    the moment). He will be back in the office Monday 7/24 and
    Tippitt will ask him to call and make a definite commitment.   4a

NIC TNLS Class, August 10-11, 1972

Walker returned the call on Monday, July 24. He cannot attend
the class. He would like to be notified of the next class.   4b

Stanford University AI Group   5

Jim Stein at Stanford AI Group had wanted to attend the last
class but called so late the class was filled. Dirk has
contacted him; Stein will call us back the first week of
August and let us know if he can attend.   5a

SRI-ARC   6

Probably will be two attendees from ARC -- Kirk Kelley and
Jake Feinler.   6a

FNWC, Monterey   7

Frances A. (Toni) McHale, Fleet Numerical Weather Central,
Monterey, California 93940 phone (408) 646-2817, will attend
the August 10-11, 1972, NIC TNLS Class. She will drive up on
Wednesday, Aug. 9, arriving at the Mermaid Inn in the evening.
Have made a single reservation for her at the Mermaid for
nights of Aug. 9, 10, and 11, morning checkout on Saturday,
Aug. 12. Miss McHale prefers to have TONI for her ident. She
will need a TNLS User Guide. I promised to send her a marked
map so she can find the Mermaid and the proper building at
SRI.   7a

Argonne National Laboratory   8

Called Stanley Cohen to find out if he wanted to attend. He
said he didn't need the class, but would probably have someone
he would like to have attend a class AFTER October '72.
Please keep him in mind for a class about then.   8a

Cohen suggested we call Ashenhurst at University of Chicago;
he is getting his TIP during 1973. DVN felt that it would be
more appropriate to contact Ashenhurst for a later class so
that the instruction would be fresh in mind when the
University of Chicago TIP was installed.   8b

UCLA-CCBB - (UCLA, Computer Center for Behavioral Sciences) --
Reg A. Martin (213) 825-4822   9

Called this number several times to see if Martin, or someone
from that site, would like to attend the Aug. 10-11 TNLS
class, but no one ever answered.   9a

NIC TNLS Class, August 10-11, 1972

(J11142) 25-JUL-72 14:30;   Title: Author(s): Mil E. Jernigan/MEJ;
Distribution: Dirk H. van Nouhuys, Richard W. Watson, Jeanne B. North,
Barbara E. Row, James C. Norton, Beauregard A. Hardeman, Cindy Page/DVN
RWW JBN BER JCN BAH CXP; Sub-Collections: SRI-ARC; Clerk: MEJ;
Origin: <JERNIGAN>NICCLASS.NLS;1, 25-JUL-72 14:25 MEJ ;

commitment of personnel for ICCC

Jim:

The following list of people have agreed to participate in the
ICCC.   1

    Jerry Powell at MITRE has organized a group consisting of
himself, Ernie Forman, and Susan Poh to exercise and prepare
scenerios for the follonwing list of resources.   1a

    1. At UCSB, the OLS, RJE, and SMFS. The Culler-Fried
system is used with a keyboard attached to the TIP and with
output on an IMLAC. The programming has been done on the
ARPA Imlac, which will be transported to the Hilton for the
ICCC.   1a1

    2. On MULTICS, the MADAME data management system.   1a2

    3. At RAND, RJS.   1a3

    4. At UCLA, TSO and SPEAKEASY.   1a4

    5. At BBN, LOGO with a typical CAI scenerio and a lesson
developed which demonstrates how to draw Chinese
characters.   1a5

    6. A multi-computer demonstration (BBN, UCSB, RAND) of a
distributed data management system.   1a6

Tom O'Sullivan at Raytheon, Sudbury, Mass., (617) 443-9521, has
agreed to look into CAI resources on the network and will
investigate tying in some non network resources such as TICCET at
MITRE, PLATO at Ill., an SRI Basic system (which runs on Tymshare
940), and COPY at JPL. A system called PLANIT may be available
at SDC on the 370 (whenever it connects to the net). He will get
in touch with Powell et. al. at MITRE to coordinate with LOGO
(and possibly SCHOLAR) demos. He is willing to act as a clearing
house for CAI related scenerios.   2

Joel Winett at LL, (617) 862-5500 X7474, is willing to look at
the 360 resources and determine what can be useful for the ICCC
and will be responsible for getting them ready. His time is
limited. Would not committ himself for the actual demos.   3

Bruce Dolan at ARPA, (202) 694-5922, agreed to work with Vint
Cerf on accounting and agreed to supply the ARPA Imlac at the
conference.   4

Tom Pyke at NBS, (301) 921-2601, will provide back-up at the NBS
TIP to dial out to non network sites during the conference. His
group has several scenerios developed that they will ship to

Metcalfe.   He promises to review the status of his project and
will reschedule tasks if they can be of use for the ICCC.   He
will also determine what manpower he can make available for
staffing the demos.   5

commitment of personnel for ICCC

(J11143) 25-JUL-72 14:33;   Title: Author(s): Peggy M. Karp/PMK;
Distribution: William W. Plummer, Robert E. Kahn, Richard W. Watson,
Peggy M. Karp, Robert H. Thomas, James E. White, Dr. Vinton G. Cerf,
Robert M. Metcalfe, Albert Vezza, Diane C. Roberts, Alex A.
McKenzie/XIC3; Sub-Collections: NIC XIC3; Clerk: PMK;
Origin: <ARPA>ICCCSTAFFING.NLS;1, 25-JUL-72 14:31 PMK ;