Getting to Know Our Neighbors

Alex-- Just for my information, do you happen to know what group is interfacing to the Net as a Very Distant Host through our IMP (2)?
--Jim

1

Monitor Work for Next Few Weeks

    For the next few weeks, Jim Blum and I will be working on assembling
and testing the TENEX monitor for the Tymshare utility.   Our work is
going to require some amount of system downtime.   I realize that this
may pose an inconvenience to some of you, but please bear with us.
In an attempt to allow you to arrange your schedules, I will keep the
UP-DOWN schedule current.   If you have any large jobs which will
require the system at night, feel free to tell me, and we will
negotiate the schedule.   1

Message for Peter Kirstein and Other UK Friends

Here is a Journal message for you, possibly your first? We have set
up the directory UK-ICS at ARC/NIC for your use as network users. In
accordance with Doug Engelbart's request, in file (19069,) the
following NLS "idents" have been set up: 1

    Ident: Name: 1a

    ARD   Mr. A. R. Duncan   1b

    AVS   Dr. Adrian Victor Stokes   1c

    HRG   Mr. Hugh R.G.H. Gamble   1d

    MPM   Mrs M. P. McCluskey   1e

    PK   Professor Peter T. Kirstein   1f

    PLH   Mr. Peter L. Higginson   1g

We created an initial file for each of these people where Journal
messages such as this one will be delivered in the future.   2

Meeting with Col. Russell of ARPA-NMR

Meeting with Col. Dave Russell of ARPA   1

    Dave visited with PR and myself Wed. Sept 12 for about 30 minutes. He indicated that the ARPA-NMR Office wanted to go ahead with the support we suggested in (18205,) and that we should get a formal proposal in to him right away as he would like to get started in a couple of months. He also said that LGR was going to give him the ARPA IMLAC and that Susan Po was going to help set it up. He also wanted to know rough funding requirements for the follow on work for the Energy Project that Paul has been spending a lot of his time with recently. He said that the presentation that Paul, Dave Berg, and Dick Schmidt gave in Washington a week ago went very well and the idea of an Evolutionary Information Center based around dialog support was well accepted.   1a

    This one man year effort while small relative to other things we are doing is a very important application and we really want to do well on it.   1b

    Things that need to be done while I am away at the Monterey conference next week.   1c

        Paul and JCN need to turn (18205,) into a formal proposal.   1c1

        We need to get the job description for this project in to open up a job slot. I'll try to get this done today.   1c2

        KEV should probably get in touch with Perry, Russell and Po to see what help we can be in the transfer of the IMLAC. Is it running at 2400 baud? If not how do we get that to happen?   1c3

            We should probably find out more about why IPT is giving it up.   1c3a

Discrepancy in use of octal and decimal host addresses

Ken,   Jim Norton, Jim White, and I noticed something interesting
while trying to identify for sure where Doug was located, and that
was this: When you do a 'where is' in TENEX the system gives you a
Host Address that is in octal whereas most other uses of host
addresses (including I understand what the TIPs must use) are in
decimal. In other words decimal numbers have become more or less a
standard but the where system doesn't follow this standard. I would
like to suggest that we try to negotiate a change to octal in the
'where' system if there are no major reasons why this shouldn't be
done. Let me know what you think.   JAKE   1

Notes on AFSC Visit

<KENNEDY>PROJ5550.NLS;1, 14-SEP-73 10:23 EJK ;   1

Just a reminder of matters to interest to you other than 5550
which surfaced during my trip to AFSC.   1a

Mr.Scherer's letter on HIS system.   1b

Informal discussion for about 15 October will be requested by you
from USAF for OSD people (Mr. Heilmeier, Ed Meyers, Lt Col
Whittaker). Question: What are we doing to satisfy CCIP-85
requirements? Lt Col McGinnis and Major Starbuck feel your TPO
briefing is appropriate. Starbuck comments - 1) OSD is deferring
$250K of 5550 funds. He thinks that OSD wants to put more money in
information processing area but isn't sure of how much and where
it is needed. 2) He will make a pitch for getting ESD 6.4 program
off-ground. My comment - The Steering Group could not provide
funds for AKW within the $3 million ceiling. It is not directly
related to CCIP-85. Maybe MacNamara could provide you some fuel
from preliminary findings on his study and Kennedy could provide
you some info from Base Comm Study so that you could pitch this as
an area needing funds. Col Emmons may be invited.   1c

Col Emmons pitched Gen Phillips on CTC. General Hudson, other
generals and Col Kipfer/DL were in attendance. Conversations were
held in my presence about the pitch. I gathered MCI was getting
10 spaces. MCI would become a division under General Shiely.
General Phillips was not prepared to go forward to USAF. He asked
Col Emmons to come back and tell him ESD/MCI areas of expertise.
A Steering Group was to be formed of AFSC offices to determine who
would be OPR for MCI because MCI was receiving direction from many
sources. A report is due in a month. It appears ACD/Col Fernadez
may be OPR because XRT and SD were not interested and he was from
what I could gather. Suggest you call Lt Col McGinnis to confirm
and for further information.   1d

Topical Area Reviews is being reinstituted. Expect something from
USAF for February review of Information Processing area for Gordon
H. Smith/Acting Deputy Director for R&D/DDR&E.   1e

Signed - Roger Panara   1f

Problem in Delete Statement at File Return

In TNLS, if your CM is in some statment, say 1a, and you then use
jump to link in a print command addressing some other statement
containing an link, say Print statment .journal d †, and then, when
you had read the object statement, and decided you can dispense with
the link, say to get rid of the citation to a journal item you have
read, and you atemp too delete the statment at file return, say by
dlelete statment & CA CA you will find that you have delted the
statment your marker was in beofre you began the whole thing, .1a in
this example.   1

User-options in Query

While working within the limitations of the NLS help-query language,
disadvantages have become apparant. I have unsuccesfully tried to
avoid them through the limited channels available to me since last
May. This document is another look at those same concepts I did not
have the opportunity or ability to explain back then. The problems
can be (must now be?) lived with in the help subsystem of the query
language. However, it would be unfortunate if they were carried over
into the future query language. The problems that prompted this
document are: 1

    Too many command actions required by the user because: 1a

        1 There are so many levels he must go through to get to the
        information.   1a1

        2 There is no capability to see a coherent overall view of a
        single command.   1a2

    Fragmented database making it very difficult (unuseable?) to find
    out all of the information about one command.   1b

    Adding levels for more complicated commands is a conceptual
    hassle.   1c

The case for user-option links in query language.   2

    The most important single feature lacking in the query language is
    the user-option link, That is, the ability of a user to choose to
    access one or more links in a statement instead of forceing the
    use of one statement for every choice.   2a

    Disadvantage of User-option links.   2b

        The user must be capable of knowing that in addition to a word
        or a number, he can type number† (where plainly indicated, see
        -- examples).   2b1

    Advantages of User-option links.   2c

        Cuts down on the fragmentation of the database.   2c1

        Speeds user searching by cutting down on the command actions
        required by the user by allowing fewer levels between the top
        level and the information.   2c2

        Speeds software searching by cutting down on the number of
        links necessary to reference identical branches in the tree
        structure by allowing fewer necessary branches.   2c3

Reduces (could elimate) the need for duplicate statement names
by not having a lot of SYNTAX, FUNCTION, CONFIRM statement
names etc.   2c4

Allows the database builder to assign a specific meaning to
each level change in substructure or menu.   2c5

    This cannot be done at present because one statement must be
    used for each choice requiring substructure to be used for
    the explanatory alternatives.   2c5a

Opens up the fourth dimension of NLS to the query user.   2c6

  Examples   2d

  Journal Proposed sample format. (showing all lines)   2d1

    Submit ITEM
    Allows you to enter an item into the journal database.
    1↑ syntax <optional warp or user-option link>
    2↑ example <user option link>
    3↑ confirm <user option link>
    4↑ other concepts <user option link>
    After using Submit, the following commands are available: 2d1a

        1 author
        2 clerk
        3 comments
        4 distribution
        5 go
          .
          .
          .   2d1a1

    Quit   2d1b

    Reenter   2d1c

    Insert Journal submission form   2d1d

  Two best alternatives under the present restrictions after
  considerable experimenation and adjustment (showing only one
  line).   2d2

    journal   current alternative 1   2d2a

      submit ITEM   2d2a1

        syntax   2d2a1a

        journal current alternative 2   2d2b

            submit ITEM   2d2b1

                syntax   2d2b1a

                functon   2d2b1b

                example   2d2b1c

                confirm   2d2b1d

                subcommand mode   2d2b1e

                    author   2d2b1e1

                        syntax   2d2b1e1a

                        functon   2d2b1e1b

                        example   2d2b1e1c

                        confirm   2d2b1e1d

                    clerk   2d2b1e2

                        syntax   2d2b1e2a

                        functon   2d2b1e2b

                        example   2d2b1e2c

                        confirm   2d2b1e2d

                    comments
                    distribution
                    go
                        .
                        .
                        .   2d2b1e3

            distribute   2d2b2

            quit   2d2b3

            reenter   2d2b4

insert journal submission form   2d2b5

2d2b6

The case for user-option warps in query language.   3

In order to allow the user to see a verbose coherent picture of a
concept or command with only one command action, a command as
proposed in <kelley, file, questionmark> is needed that prints
branch showing all lines and with warps on as proposed in
(17811,).   3a

This would be in addition to the equivalent of the IN command
described in <kelley, file, IN> or some other all purpose "find"
command which is terminated by a carriage return.   3b

Disadvantage   3c

The user would have to know that he has the option of typing a
word followed by a ? as well as a word followed by a <CR>
when inside the TNLS Query Subsystem.   3c1

Advantage   3d

Allows a single database to be used for getting either a
coherent view of a subject, or zeroing in on a fine point.   3d1

The case for user-options in query.   4

Appendices   5

KIRK   20-MAY-73 20:39   17815
AN NLS INFORMATION RETRIEVAL SYSTEM
Location: (KELLEY, File, 0:w)   5a

KIRK   10-AUG-73 15:01   18365
My impressions of the DIRT meetings
Location: (LJOURNAL, 18365, 1:w)   5b

KIRK   4-JUL-73 16:40   17636
Proposed system for handling links in NLS query languages.
Location: (KJOURNAL, 17636, 1:w)   5c

KIRK   13-JUL-73 20:46   17811
 Proposed system using two viewspecs to view warps
(text specified by a link instead of link syntax).
Location: (LJOURNAL, 17811, 1:w)   5d

KIRK   30-JUL-73 14:37   18122

User-options in Query

Comment on the idea of executable links.
Location: (LJOURNAL, 18122, 1:w)

5e

KIRK   31-JUL-73 15:50   18151
Response to Harveys considerations (18134,)
Location: (LJOURNAL, 18151, 1:w)

5f

INTRODUCTION   1

As the result of the findings reported in (18643,) further timings
of text insertion using the network have been made. The
experimental conditions, summary of data and conclusions follow.   1a

EXPERIMENTAL CONDITIONS   2

Two terminals, one of which had an execuport, were used
simultaneously at SRI-ARC to insert text. Using the terminal with
the execuport, the computer was dialed up through either the tip
located at the National Bureau of Standards or at NASA Ames. The
other terminal was used as a control, and was logged in to our
computer in the usual manner.   2a

Testing was conducted in the same or an adjacent room by myself
and Carol Guilbault in order that the typing speeds could be kept
very close. Testing was done under both a speed of approximately
50 wpm and l cps(character per second.)   2b

Since the testing was done simultaneously, the load factor and
other system variables were the same.   2c

The tests done through the tip were done under both half and full
duplex conditions to see if there was a significant difference as
far as CPU required. All testing on the control terminal was done
in the full duplex mode as is all usual work at SRI.   2d

SUMMARY OF DATA   3

The numbers reported below are the total times (in seconds) for
inserting 190 characters. This represents a time of 5 msec per
character for all tests at Ames using a regular speed, and a time
of 6 msec per character for all tests at Ames using a slow speed
and all tests at NBS.   3a

AMES—TIP   3a1

Regular Speed   3a1a

	Ames	SRI	# tests	Load Range	
					3a1a1
Half duplex	.8	.9	5	1.45-4.49	3a1a2
Full duplex	.9	.9	12	2.33-7.00	3a1a3
Slow Speed					3a1b
Half duplex	1.1	1.1	3	2.87-5.20	3a1b1

| | Full duplex | 1.0 | 1.0 | 3 | 2.65-5.19 | 3a1b2 |

NBS-TIP   3a2

  Regular Speed   3a2a

		NBS	SRI	# tests	Load Range	3a2a1
	Half duplex	1.1	1.1	5	5.20-9.95	3a2a2
	Full duplex	1.0	1.0	5	6.22-10.67	3a2a3

CONCLUSIONS   4

Based on the times recorded in this document, there is little
difference in the time it takes to insert a character over the net
as opposed to inserting a character here.   4a

The data collected under this set of tests corresponds roughly to
that reported in (18643,). However, even under high load
conditions (greater than 10) the time for inserting a character
over the network never reached the levels reported in this
previous document.   4b

According to the measurements made in this series of tests the
time for inserting a character at SRI has increased since the last
time measures were made (reported in 15466,).   4c

Although the times for inserting text at NBS were greater than
those at Ames, I think since there is a corresponding increase in
the amount of time needed at SRI the difference is due to the
increased load average.   4d

Lost text, thru the Output Processor

A piece of text is not getting printed thru the Output Processor:

        which is part of   , B Computer...

It is obviously being interpreted as the Print Directives directive,
even though it is an invalid example of the directive.

I thought invalid directives were printed as normal text.   1

Hi jim. What is the status of the SMFS mods?

I wanted to ask you something else, but can't remember what it was.
Oh, well.

- Dave   1

Note to D. Crocker

Dave,   1

I have a favor to ask, I have heard a lot of talk about BCPL from the
Tenex crowd. Yet no one has been able to show me any examples. So
could you either send me or direct me to someone who can a BCPL
manual. Most of our Tenex work is done with BLISS which we were
great advocates of until we really got into it. I would appreciate
the manual or the direction to it very much.   2

Mike Sher showed me the "Preliminary Draft of the Revised ANTS
Specs". I have a couple of questions about it.   3

   How large is the demand for the TIP emulator? (Is there anyone
   except Steve who wants it?   3a

   What utility is to have PEESPOL generate PAL? What is it you are
   getting at with this?   3b

   There are two ways to do separably compiled procedures: one with
   the linker on the B6700 and the other with the linker on the 11.
   If you have the latter in mind then it is fairly far down the road
   before we will have time for it. However the former is very easy
   and not too difficult. Which was it?   3c

   What does "single command access for popular functions" mean? I
   have a feeling its something we are planning anyway but phrase
   does hit the right chords. Give me an example of what it is and
   what it isnt just so I know.   3d

Thats about it. Its really too bad the meeting couldn't have been
held here, since I think a lot of these could have been cleared up
then. But so it goes. I have a few other things I would like to
talk to you about but would rather wait until we can do it in the
presence of a blackboard and a listing.   4

By the way Jean Iseli was saying the other day that you are planning
to hold a USING meeting in the near future. I would really like to
attend both for ANTS and for myself. I was very sorry I couldnt
attend the first meeting, but at the time I was having to cope with
one of my dumber moves. That might also present us with the
opportunity to sit down before or after and spend a day talking about
ANTS.   5

Good Networking,
     John   6

Resource Notebook Write-up

Dear Tom,

Beat, beat, beat.....(per your instructions)
                              Jake Feinler@NIC (ident Jake)
P.S. Hope I'll be hearing from you soon.

1

Resource Notebook Write-ups

Dear Dick,

What is the status now of CCA-TENEX. Several people have asked me
about your site particularly the data-text system and I would really
welcome the opportunity to advertise your services in the Resource
Notebook. Do you think I can get a write-up from you soon for both
CCA-TENEX and CCA-TIP. Give me a call on the NIC phone or send me a
message and let me know if there is anything we can do to help.
Jake Feinler@NIC (Ident - JAKE)

Trial-usage notes with NLPNLS from London using Delta 5000 and our
Line Processor

Charles: I tried the Line Processor this morning with the version
of NLPNLS that was available. (NLNLS.SAV;1) Following are things as
I ran across them.. sort of an annotated scenario: 1

Quite often there occurs a repeated string of characters, in odd
places. I have learned to watch out (your memo in
(irby,line-processor-inst,) warns of it, all right) for inadvertently
producing multiple characters from holding a key down slightly too
long. But the symptom I speak of seems to be not the user -- the
strings are often quite long, half a line or more; perhaps 20
characters of one kind, 10 of another, then some miscellaneous; and,
as I say in odd places, as commented uponbelow.   2

One time I did a fairly rapid, but carefully concise, command
specification and final CA: It was a Replace Word BUG LIT CA.
When the result unfolded, the top line was
ppppppppppppppppppppppppwwwwwwwwwwguCP
and then the next line (the only text in my view) was the properly
updated statement. VSf fixed it.   2a

Quite often the Recreate-Display doesn't clear the screen
adequately.   3

Several times it left all the lines as original below the point
where the new view printed.   3a

One time, with LN on (VIEWSPEC m, or "VSm"), and VSx in original
view, I changed to VSxb. Wherever there was a line that
originally was a first level statement, but now had a second level
statement, the first-level LN still showed, with also the properly
indented 2nd-level LN and its appropriate text.   3b

And here there was another funny anomoly --not sure whether it
happened more than thisonce: On some of the new statements,
there were #"noise" characters in the usual HSpace between LN
and first PT of Statement. e.g. "d", "d", and "i" for 2a, 2b
and 2c, then down in 5a, "r". Again, VSf fixed it all up.   3b1

Several times the Name Field didnt get reset properly; the new
LIT for it would appear, but it would be shorter, and the rest of
the prior LIT stayed in the buffer (displayed).   3c

Another related occurrence (repeated): Delete Character on
one-line view; result -- top line shows from edited portion on, as
edited; next line shows old version of the line. VSf makes o.k.   3d

Then some funny things would happen between the LIT entry lines and
the view lines. FOr instance, when editing a one line statement,

Trial-usage notes with NLPNLS from London using Delta 5000 and our
Line Processor

VSgw, the recreated line would appear first, and then the old line
would still be written under it -- this was after Execution, andit
appeared that the new line wbas the top position in thedisplaywindow.
Doing VSf would make it o.k.   4

 NOTE: In all of the above cases of display-recreate anomalies,
 the VSf would fix them up to be correct.   4a

Then, odd problems in working on INVISIBLE entities. In some
commands they seem to be "unbuggable"; especially troublesome is my
oft-used R I command. Here, I couldn't get a bug mark to "take"
within the HGAP, it would insist on bugging a PT Char nearby. I
tried executing anyway, and it really replaced the PT with what I put
in for replace LIT.   5

 I notice a note late in my run where it says that Replace
 Invisible did allow me to bug the Invisible entity. (Suspect TABs
 in that troublesome plex??).   5a

And, an associated oddity (perhaps): in my DCE file, Branch 3, are
subplex statements with days of week, folowed by HGAP and date. JCN
edited it for me with DNLS, when I was having so much trouble getting
work done online before the Wed demo; I can't tell what the NP
characters are, whether TABS or SPs or mix, but I find that the
LP/DDS system positions the dates very oddly, different H-Position
relaive to one another depending upon VSm or VSn -- sort of like a
TAB-convention problem. Thhose were theINVISIBLES where I really had
trouble bugging -- come to think of it -- so maybe there are TABs
there, but how do Itell from here. If the IMLAC program worked,
Icould look. Maybe you can -- I'll make sure to update that file.   6

USAGE NOTES: 7

 When the new frame is delivered soslowly, it makes use of the VSv
 and VSu feature quite important. That takes some practice. Also,
 practicing when one can do some VS... specs, without ending with
 VSf, before he executes something, so that he will not have to get
 the updated refresh from his edit command, and then have towait
 for the cycle of refreshing to alter the viewspecs.   7a

 How about G D H feature -- horizontal windowing? Multiple
 windows are very useful, of course, and you've mentioned
 recognized need for controled window size so that one can work
 with just the amount of text he needsssssssssssssssssssssssss, and
 thus minimize the display-recreation burden. You also mentioned
 perhaps implementing a simpler stage, that allowed limiting the
 number of lines being displayed (also, no. of chs/line would be
 handy) these are things we had in the 940,huh?   7b

Trial-usage notes with NLPNLS from London using Delta 5000 and our
Line Processor

     I often find VSe not to work as I expect it too, even in home-run
DNLS and TNLS.   Think I had trouble here, too, but couldn't tell
if it was diferent from the (what seem to me tobe anomolous
occusrences of funny effects - or no effect at all).

7c

ARPANET Newsletter for September

Jeanne,

Why is the September issue not yet on-line. Thought that the copy
that was turned over was ready and that both august and sept. had
already gone to the printer? Could you please look into it?

Regards,   Jean   1

Lou -- your Nic Journal mail delivery is set to Online at Nic, Hardcopy (US Mail) and Net delivery to LOU at ISI.

--Dave   1

Journal Distribute Document command bug

I have just attempted to do a Distribute Document to myself of document (14724,) which is the Preprint of Engelbart's NCC paper. I got back the message "No Such Document".

I am holding the document in my hand, so I know it exists.

--Dave   1

NIC Titleword Index A-O [catalog,nictincnl-a,) is offline   1

Meeting At UCSB to Discuss Modifications to the PLATO Terminal

Don the meeting at UCSB on the modification of the PLATO Teminals is
Oct. 15-16. I would like you to attend to discuss with them
modifications necessary to support NLS and the Network Graphics
Protocol. In the Next week or so you should send Tom O'sullivan your
notes on requirements for a teminal to be used with the Line
Processor and NLS.   1

A SYNOPSIS OF SYSTEM USAGE BY GROUPS AND INDIVIDUALS

Below are results formulated from analyzing the activity of individual users over a period of ten successive weeks beginning with the week of Aug. 12-18. The value given for average (AVE) is the result of dividing the sum of the cpu hours by the sum of the connect hours and multiplying by 100%. This document updates journal item 18792.

1

2

GROUPS AND AVERAGES

3

3a

(SYSTEM JOBS)	AVE	CPU	CON			3b
SYSTEM	3.5	97.7	2788.3			3b1
PRINTER	4.7	49.9	1052.7			3b2
BCKGRND	2.2	25.0	1150.0			3b3
	-----	-----	------			3b4
AVE	3.5	172.6	4991.0			3b5
(STAFF)			AVE	CPU	CON	3c
DCE	Doug Engelbart		2.5	3.4	138.1	3c1
DVN	Dirk van Nouhuys		4.5	6.4	142.7	3c2
JCN	Jim Norton		4.8	7.4	155.2	3c3
PR	Paul Rech		2.3	2.2	98.2	3c4
RWW	Dick Watson		2.7	1.1	41.3	3c5
SRL	Susan Lee		2.8	2.7	98.0	3c6
			-----	-----	-----	3c7
AVE			3.4	23.2	673.5	3c8
(PSO)						3d
BAH	Beau Hardeman		4.5	11.5	262.5	3d1
KIRK	Kirk Kelley		4.5	18.9	424.6	3d2

JML	Jeanne Leavitt	1.2	.1	8.6	3d3
MEJ	Mil Jernigan	2.9	19.8	679.2	3d4
		-----	-----	-----	3d5
AVE		3.7	50.3	1374.9	3d6
(NIC STAFF)					3e
CBG	Carol Guilbault	1.7	.059	3.4	3e1
EJF	Jake Feinler	2.3	2.4	107.1	3e2
JBN	Jeanne North	5.1	12.2	238.8	3e3
JDC	Judy Cooke	2.4	.17	7.0	3e4
MDK	Mike Kudlick	3.7	4.4	119.0	3e5
MLK	Marcia Keeney	2.2	4.4	195.3	3e6
NIC-WORK					3e7
NETINFO		2.9	2.6	91.0	3e8
		-----	-----	-----	3e9
AVE		3.4	26.2	761.6	3e10
(FACILITY)					3f
EKV	Ed Van De Riet				3f1
JCP	Jeff Peters	3.6	18.7	521.6	3f2
JR	Jake Ratliff	1.1	.031	2.9	3f3
MAB2	Mark Beach				3f4
MEH	Martin Hardy	1.3	1.2	92.3	3f5
OPERATOR		8.4	8.8	103.8	3f6
		-----	-----	-----	3f7
AVE		4.0	28.7	720.6	3f8
(PROGRAMMERS)					3g

A SYNOPSIS OF SYSTEM USAGE BY GROUPS AND INDIVIDUALS

CFD	Chuck Dornbush	2.9	7.0	240.6	3g1
CHI	Charles Irby	4.4	6.0	134.8	3g2
DCW	Don Wallace	4.5	6.6	149.4	3g3
DIA	Don Andrews	5.7	16.2	284.7	3g4
DSK	Diane Kaye	4.0	5.07	125.5	3g5
EKM	Elizabeth Michael	2.1	2.5	116.0	3g6
HGL	Harvey Lehtman	4.3	7.0	164.8	3g7
JDH	Dave Hopper	2.6	4.3	169.0	3g8
JEW	Jim White	1.9	11.6	603.2	3g9
KEV	Ken Victor	4.1	6.1	149.5	3g10
WRF	Bill Ferguson				3g11
		-----	-----	-----	3g12
AVE		3.6	72.4	2137.5	3g13
(XEROX)					3h
CMG	Chuck Geschke	2.2	.07	3.2	3h1
EHS	Ed Satterthwaite	2.6	3.6	137.0	3h2
JGM	Jim Mitchell	.9	1.6	182.9	3h3
LPD	Peter Deutsch	3.8	.91	23.7	3h4
RES	Dick Sweet	1.8	1.1	60.7	3h5
		-----	-----	-----	3h6
AVE		1.8	7.3	407.5	3h7
(RADC)					3i
DAL	Dave Luther				3i1
DFB	Dean Bergstrom	1.0	.23	22.6	3i2
DLD2	David Daughtry				3i3

A SYNOPSIS OF SYSTEM USAGE BY GROUPS AND INDIVIDUALS

DLS	Duane Stone	1.9	3.3	171.3	3i4
DVA	Donald Van Alstine				3i5
EJK	Ed Kennedy	1.3	1.6	119.2	3i6
FJT	Frank Tomaini	1.0	.14	14.0	3i7
FPS	Frank Sliwa	1.3	.12	9.3	3i8
FSL	Frank LaMonica	1.9	2.9	151.1	3i9
GAB	George Borden				3i10
JHB	Jim Bair	1.3	2.5	189.5	3i11
JLM	John McNamara	1.6	.78	47.3	3i12
JPC	Joé Cavano	2.3	1.5	66.0	3i13
JRS	Josephine Stellato				3i14
JWJ	John Johnson				3i15
MAW	Mike Wingfield				3i16
MDP	Marcelle Petell				3i17
RAL	Ray Liuczi				3i18
RBP	Roger Panara	1.8	.44	24.4	3i19
RC2	Richard Calicchia				3i20
RED2	Robert Doane				3i21
RFI	Rocco Iuorno	1.1	.27	24.7	3i22
RHT2	Richard Thayer	.9	.13	13.8	3i23
TFL	Tom Lawrence	1.6	.84	51.8	3i24
TJB2	Tom Bucciero				3i25
WER	William Rzepka	1.3	.45	35.6	3i26
WPB	William Bethke	1.5	.91	60.2	3i27
		-----	-----	-----	3i28

A SYNOPSIS OF SYSTEM USAGE BY GROUPS AND INDIVIDUALS

AVE		1.6	16.1	1000.8	3i29
(DOCUMENTATION)					3j
NDM	Dean Meyer	3.3	11.2	335.6	3j1
JMB	Jeanne Beck	3.2	4.04	124.9	3j2
CAT	(night only)				3j3
DOCB					3j4
DOCUMENTATION		5.8	2.2	37.9	3j5
		-----	-----	-----	3j6
AVE		3.5	17.4	498.4	3j7
(NIC)					3k
USERS		2.1	42.6	2049.6	3k1
					3l

A PROJECTION OF SYSTEM USAGE STATISTICS ONTO THE CURRENT GROUP
ALLOCATION SCHEME

These too are results formulated from analyzing the activity of
individual users over a period of ten successive weeks beginning with
the week of Aug. 12-18. The value given for average (AVE) is the
result of dividing the sum of the cpu hours by the sum of the connect
hours and multiplying by 100%. This document updates journal item
18792.   1

INITIAL GROUP ALLOCATIONS WITH PROJECTED AVERAGES   2

                                                                          2a

    ALLOCATIONS   2b

Groups	5am-8	8am-2pm	2-5am (PDT)	
WORLD	0	0	0	2b2
SYSTEM JOBS	5	5	5	2b3
NIC USERS	7	4	2	2b4
RADC	5	2	0	2b5
STAFF	1	2	2	2b6
PSO	1	1	2	2b7
NIC STAFF	0	2	2	2b8
FACILITY	1	0	0	2b9
PROGRAMMERS	1	4	7	2b10
XEROX	0	1	1	2b11
DOCUMENTATION	1	1	1	2b12
	--	--	--	2b13
Totals:	22	22	22	

(Groups header line: 2b1)

                                                                          2b14

    AVERAGES   2c

Groups	5am-8	8am-2pm	2-5am (PDT)	
WORLD	0	0	0	2c2

(Groups header line: 2c1)

A PROJECTION OF SYSTEM USAGE STATISTICS ONTO THE CURRENT GROUP
ALLOCATION SCHEME

SYSTEM JOBS	17.5	17.5	17.5	2c3
NIC USERS	14.7	8.4	4.2	2c4
RADC	8.0	3.2	0	2c5
STAFF	3.4	6.8	6.8	2c6
PSO	3.7	3.7	7.4	2c7
NIC STAFF	0	6.8	6.8	2c8
FACILITY	4.0	0	0	2c9
PROGRAMMERS	3.4	13.6	23.8	2c10
XEROX	0	1.8	1.8	2c11
DOCUMENTATION	3.5	3.5	3.5	2c12
	----	----	----	2c13
Totals:	58.2	65.3	71.8	
				2c14

DESCENDING ORDER BY AVERAGE   2d

Group	AVE	
-----	---	2d2
FACILITY	4.0	2d3
PSO	3.7	2d4
DOCUMENTATION	3.5	2d5
SYSTEM JOBS	3.5	2d6
PROGRAMMERS	3.4	2d7
NIC STAFF	3.4	2d8
STAFF	3.4	2d9
NIC USERS	2.1	2d10
XEROX	1.8	2d11

(Group) 2d1

A PROJECTION OF SYSTEM USAGE STATISTICS ONTO THE CURRENT GROUP
ALLOCATION SCHEME

RADC	1.6		2d12
WORLD	0		2d13

DESCENDING ORDER OF USERS   3

                                                                      3a

(ARC)   3b

                                                                      3b1

IDENT	AVE	GROUP	
			3b2
-----	---	-----	3b3
(DIA)	5.7	p	3b4
(JBN)	5.1	n	3b5
(JCN)	4.8	s	3b6
(KIRK)	4.5	ps	3b7
(BAH)	4.5	ps	3b8
(DCW)	4.5	p	3b9
(DVN)	4.5	s	3b10
(CHI)	4.4	p	3b11
(HGL)	4.3	p	3b12
(KEV)	4.1	p	3b13
(DSK)	4.0	p	3b14
(MDK)	3.7	n	3b15
(JCP)	3.6	f	3b16
(NDM)	3.3	d	3b17
(JMB)	3.2	d	3b18
(MEJ)	2.9	ps	3b19

A PROJECTION OF SYSTEM USAGE STATISTICS ONTO THE CURRENT GROUP
ALLOCATION SCHEME

(CFD)	2.9	p	3b20
(SRL)	2.8	s	3b21
(RWW)	2.7	s	3b22
(JDH)	2.6	p	3b23
(DCE)	2.5	s	3b24
(JDC)	2.4	n	3b25
(PR)	2.3	s	3b26
(EJF)	2.3	n	3b27
(MLK)	2.2	n	3b28
(EKM)	2.1	p	3b29
(JEW)	1.9	p	3b30
(CBG)	1.7	n	3b31
(MEH)	1.3	f	3b32
(JML)	1.2	ps	3b33
(JR)	1.1	f	3b34
			3b35

(OVERALL)   3c

                                                                           3c1

IDENT	AVE	GROUP	3c2
-----	---	-----	3c3
(CAT)	29.3	sy	3c4
(OPERA)	8.4	sy	3c5
(DOCUM)	5.8	sy	3c6
(DIA)	5.7	p	3c7

A PROJECTION OF SYSTEM USAGE STATISTICS ONTO THE CURRENT GROUP
ALLOCATION SCHEME

(JBN)	5.1	n	3c8
(JCN)	4.8	s	3c9
(PRINT)	4.7	sy	3c10
(KIRK)	4.5	ps	3c11
(DCW)	4.5	p	3c12
(DVN)	4.5	s	3c13
(CHI)	4.4	p	3c14
(BAH)	4.4	ps	3c15
(HGL)	4.3	p	3c16
(KEV)	4.1	p	3c17
(DSK)	4.0	p	3c18
(LPD)	3.8	x	3c19
(MDK)	3.7	n	3c20
(JCP)	3.6	f	3c21
(SYSTE)	3.5	sy	3c22
(NDM)	3.3	d	3c23
(JMB)	3.2	d	3c24
(CFD)	2.9	p	3c25
(NETIN)	2.9	n	3c26
(MEJ)	2.9	ps	3c27
(SRL)	2.8	s	3c28
(RWW)	2.7	s	3c29
(EHS)	2.6	x	3c30
(JDH)	2.6	p	3c31

A PROJECTION OF SYSTEM USAGE STATISTICS ONTO THE CURRENT GROUP
ALLOCATION SCHEME

(DCE)	2.5	s	3c32
(JDC)	2.4	n	3c33
(JPC)	2.3	r	3c34
(PR)	2.3	s	3c35
(EJF)	2.3	n	3c36
(CMG)	2.2	x	3c37
(BACKG)	2.2	sy	3c38
(MLK)	2.2	n	3c39
(EKM)	2.1	p	3c40
(FSL)	1.9	r	3c41
(DLS)	1.9	r	3c42
(JEW)	1.9	p	3c43
(RADC)	1.9	r	3c44
(RES)	1.8	x	3c45
(RBP)	1.8	r	3c46
(CBG)	1.7	n	3c47
(TFL)	1.6	r	3c48
(JLM)	1.6	r	3c49
(WPB)	1.5	r	3c50
(JHB)	1.3	r	3c51
(FPS)	1.3	r	3c52
(MEH)	1.3	f	3c53
(EJK)	1.3	r	3c54
(WER)	1.3	r	3c55

A PROJECTION OF SYSTEM USAGE STATISTICS ONTO THE CURRENT GROUP
ALLOCATION SCHEME

(JML)	1.2	ps	3c56
(JR)	1.1	f	3c57
(RFI)	1.1	r.	3c58
(FJT)	1.0	r	3c59
(DFB)	1.0	r	3c60
(RHT)	.9	r	3c61
(JGM)	.9	x	3c62
			3c62a

(KEY) GROUP   3d

                                                        3d1

d   documentation   3d2

f   facility   3d3

n   nic staff   3d4

p   programmer   3d5

ps   pso   3d6

r   radc   3d7

s   staff   3d8

sy   system job   3d9

x   xerox   3d10

                                                        3d11

GREETING TO ROBERT

HELLO THERE ROBERT.   HOW WAS THE TRIP OUT TO THE COAST.   DID YOU SIGN
US UP FOR THE UTILITY.   HOPE YOU ARE HAVING A GOOD TIME.   MARTIN AND
I WILL SEE YOU WEDNESDAY NIGHT.   HAVE FUN--LARRY   1

Scheduled Software Release

This is a reminder that Network Software Maintenance is scheduled
between the hours of 0700 and 0900 (Eastern Time) on Tuesday, 18
September 1973. Although software releases are checked out as much
as possible in the BBN test cell, thre are sometimes problems of
scale which are not detected until after a release; hence there is a
small but finite possibility that the software will be troublesome
for a few hours after the scheduled release.
Sincerely,
Alex McKenzie (for the Network Control Center)

1

RADC has received JTSA WWMCCS release 3.1.0 as of 14 September 1973. Subsequent releases will automatically be mailed to RADC continuously for 1 year (to Sept 1974). The release package contained the following:

1

1. B-2 DMS Users guide   -- 4 each   1a

2. JTSA software rel Bul   -- 4 each   1b

3. Honeywell 6000 Bul   -- 4 each   1c

4. Card decks   -- 17 decks   1d

5. DCA-JTSATAPE   -- #46745   1e

6. W310MISCFW   -- #46744   1f

7. Access Auth & Cntrl Bul   -- 4 each   1g

The above package will be delivered to Robert K. Walker (ISF) excepting 2 each copies of items 1,2,3, and 7.

2

A WWMCCS GO-GO team will be set up to investigate the release and associaated documentation.

3

From Capt DAughtry/17 sept 73

4

1

NOTICE TO   ALL USERS OF THIS FILE: This is a special "open" file
which permits read and write access by anyone. Because of this, you
MUST U[pdate] O[ld] if you make any changes in this file. You do not
have to update if you just read the file. (ID = JHB;) ID = DLS;
SINCE (15 MAR 73 12:00);) For earlier dialogue see: 1

    JLM 23-MAR-73 7:41   15264
    Staff Meeting Notes 7JUL72--27MAR73
    Location: (LJOURNAL, 15264, 1:w)
    *****Note: Author Copy*****

                    1a

110Sept.   2

    GENERAL   2a

    AKW   2b

        i have not seen the cut on what is required etc to get on with
        AKW   2b1

        I am going in to the computer copration of america,s tip.It
        must have a rotary switch as it is just one number.   2b2

    GDMS   2c

    TDY ANNUAL   2d

    VISITORS   2e

        Bob Muhlhauser and Lorraine Mead will be here on the 24th of
        this month to discuss the current state of dm-1. (DFB)   2e1

27 August   3

    GENERAL   3a

        I want us to be in a better positon than we are now in terms of
        related government research for the formal tpo pitch whic I
        think is late september or early Oct.   3a1

            I would like to see a ddc search made primarily for lab or
            div names,a search on the net,and where feasible a visit or
            atleast a phone   3a1a

    AKW   3b

        AKW   3b1

Ikeep hearing about the estimates where the typist actually
beat the system yet when I hear stone only took one hour I
don,t understand.It would seem it is imoortant to log real
time and calender time since i can,t see where real time
means much in our situation.   3b1a

Lets get a terminal for Marceel either a tycon or some other
if we have to.   3b1b

Lets have your cut on what has to be done and by whom, in to
me next monday the or tuesday since mon is a holiday the 4th
of SEpt.   3b1c

GDMS   3c

  GDMS   3c1

  Lets have a rap session on GDMS I am .   3c1a

TDY ANNUAL   3d

VISITORS   3e

20August   4

  GENERAL: 4a

We have a request in for nomiations to that AFSC lab course at
WPAFB for three weeks.The only eligible man we have is Mike
does he want to go can we afford to lose him for 3 weeks ,there
is a course in Oct and one i Nov as well.   4a1

I am going to start my version of confessions which will
consist of brief reports on all efforts within a area and then
a more detailed pitch or discussion on a selected topic   4a2

Lets start with the three area being DMS dev,DMS testing and
AKW.Lets start with AKWthis week and Ed and i will pick the
special topic.The fourth week will be me ging a general
review and overall section business.We will have them on
thursday morning and in that way confessions wil gobble up
the 5th week and or the general review when there are only 4
weeks.   4a2a

I have a copy of the new general guide lines on promotion I
suggest we have Marcel xerox it and giev each man his own copy. 4a3

Jacque Valle called me asking if we would like to try there
FORUM system which is designed to support on-line

conferencing,He suggested we call him the first time we try to
get on.   4a4

FJT 17-AUG-73 06:00   18485
tickler for week of 20 August
Location: (MJOURNAL, 18485, 1:w)

4a5

FJT 20-AUG-73 08:39   18505
WWMCCS Progress Meetings
Message: WWMCCS Progress Meetings, directly following Branch
Chief's meetings on Monday mornings wil no longer exist. They
will be replaced by on-call meetings as required by Capt
daughtry or management personnel WHEN REQUIRED and you will be
notified as far as in advance as possible. FJT

4a6

FJT 20-AUG-73 08:34   18504
toll calls
Message: All toll calls to Utica & Syracuse will be made via
tie lines. There will be no direct toll charges to Utica or
Syracuse while tie lines are in effect. Hopefully, this and
your strict control of other toll calls will rec reduce the
base's large toll charges...fjt

4a6a

AKW   4b

Can we now put the other tyconn on marcel,s working area.We
need to get her on   4b1

    When are the TI machines due?   4b1a

When are Stoney and Jo going to the coast to learn l-10?   4b2

S Mayer called me and has someone from ESD who will pick up the
exuport if we say okay.I told her I would call Logan hwich I
did who in turn said fine he would call me ack after he checked
with the guys who have it now.I suspect they will plead with us
to keep it but I told Logan and he agreed that they can easily
buy their own terminal if they want to and we need the
terminal.   4b3

How about the bibliography for AKW,we should do one for DMS as
well   4b4

GDMS   4c

VISITORS   4d

TDY ANNUAL   4e

13 August: 5

GENERAL: 5a

GENERAL: 5a1

It is our confessions this week they have moved it up to
tuesday at 8:30, needless to say we have to have a list of
itemss etc.   5a1a

The 5550 pithes are wed and thursday.Our twa briefings are
wed 1045 is F Sliwa and Ed Kennedy at 1115.   5a1b

FT wants a dry run at 1600 .I imagine on both though i do
not know if Frank S is ready .   5a1b1

We have a 5550 review today aat 1400 .I will attend but I
think we should realize that we must make a decsion on which
programs to pitch.   5a1c

The TPO write ups are due out of here iin final form next
week.It means our due date is this week.I have a copy of the
instructions at(mcnamara,jlm,4a:1w)   5a1d

AKW   5a2

I see thayer trying to get on we are going th hbe to train
him somehow .Does he have a primer and cue card?We can,t
trap him but somehow we must .FT is the same way he is ready
I really belive we have to do it or say wait untill the
facility is avaiable since our time and file space is used
up in either case we have to say something.   5a2a

I want to start Marcel back to the land of NLS using the
tycon .Lets set her up and have me involved so I can help
her etc.   5a2b

I have a feeling i told you so we will be said back to me
but any way We should have a policy that all trip reports
are journalized so in that way we have retrieval acsses to
them.   5a2c

I have a request from thayer as to our reactions to his
comments on the number and type of terminals we have in IS.   5a2d

GDMS   5a3

Dace daughtry as senior offecer has to counsel both Mike and
clayton I belive and fill out a form I have the form for him
etc,   5a3a

major cameron,MCS/Stop 36 Hansom Field Bedfor mass 01730
Phone ext 5274,478   5a3b

    This was a vistor of interest in that he did point out
the need for help in evaluating and specifying GDMS,s as
part of a computer buy.I will try to summarize the meet
and send you a link.   5a3b1

VISITORS   5a4

tDY ANNUAL   5a5

    dfb will be on leave aug 22 thru 3 sept.   5a5a

6 August   6

  GENERAL: 6a

We have a 5550 review today aat 1400 .I will attend but I think
we should realize that we must make a decsion on which programs
to pitch.   6a1

The TPO write ups are due out of here iin final form next
week.It means our due date is this week.I have a copy of the
instructions at(mcnamara,jlm,4a:1w)   6a2

  AKW   6b

I see thayer trying to get on we are going th hbe to train him
somehow .Does he have a primer and cue card?We can,t trap him
but somehow we must .FI is the same way he is ready I really
belive we have to do it or say wait untill the facility is
avaiable since our time and file space is used up in either
case we have to say something.   6b1

I want to start Marcel back to the land of NLS using the tycon
.Lets set her up and have me involved so I can help her etc.   6b2

I have a feeling i told you so we will be said back to me but
any way We should have a policy that all trip reports are
journalized so in that way we have retrieval acsses to them.   6b3

I have a request from thayer as to our reactions to his
comments on the number and type of terminals we have in IS.   6b4

GDMS   6c

    Dace daughtry as senior offecer has to counsel both Mike and
clayton I belive and fill out a form I have the form for him
etc,   6c1

    major cameron,MCS/Stop 36 Hansom Field Bedfor mass 01730 Phone
ext 5274,478   6c2

    This was a vistor of interest in that he did point out the
need for help in evaluating and specifying GDMS,s as part of
a computer buy.I will try to summarize the meet and send you
a link.   6c2a

VISITORS   6d

tDY ANNUAL   6e

30july   7

    GENERAL;   7a

AKW: 7b

    Roger Weber spoke to me about getting together a plan to
present to Gabe to introduce NLS with say IDS tied in as a
major experiment at RADC.Apparently Gabe is pushing for a more
long range sposticated caapabiltiy.I said to some extent it fit
in with our plans though they might want to go too fast etc.I
agreed to start serious talks with him after the TPO exercise
is done.   7b1

    T   joe cavanohe most serious problem with interfacing IDS
and NLS right now is the fact that GCOS is not on the NET.
Unless there is some definite plan for putting the new 6180
on the ARPA-NET, I can't see us getting any interface that
would meet the scope that is necessary for Gableman.
Although we will go ahead ourselves with such an interface
(or perhaps even others), the mechanism for communicating
between the two systems will probabbly be rather klugy. This
would be acceptable for us on our small scale but it would
be unrealistic to expect it to be useful functionally.   7b1a

    Please talk of IDS as a candidate only. We do not know the
details of trying to interface it, and wont until the new
hardware/software complex is delivered. We are also looking
at CONVERSE at SDC and may uncover others with time...DLS   7b1b

GDMS: 7c

VISITORS: 7d

TDY ANNUAL: 7e

Mac,ED,and Stoney will visit BBN tuesday to recieve a demo of
SCHOLAR a commputer aided teaching system Dr Mair is proposing
to used as a teaching sustem for NLS.   7e1

23 JULY   8

GENERAL: 8a

We now have a tickler file or i guess really two,lets start
using it for our meeting etc.   8a1

    suggest you give items to bobbie initially. - ejk   8a1a

The steering group for 5550 is coming to RADC this year to
review the propose programs for 75 and 76.We will present dms
modeling,AKW (IS and portions of Center staff)and give them a
progress report on DM-1.They will be here the 15th and 16th of
August.   8a2

    mac assures me that these people are non-technical.
    therefore i will give the pitch and show off my superior
    knowledge - or get creamed.   - ejk   8a2a

        Most of these people have heard the pitch on the system
        and are vaguely aware of NLS and Englebart' work.
        Suggest that you concentrate on explaining how we are
        using it here and what our initial findings are..even if
        they are mostly subjective...DLS   8a2a1

In the review with the fron office BB made a comment that I
think we should act on,He indicated that more reports should be
fortcoming since our emphasis is so in house oriented.We
reacted that many reports were generated but no one saw them
unless they were submitted formally for pub.He suggested that
we start to submit at least within the IS if not the Center the
reports so as to let peopple know what we are doing as well as
encourage technical interation.   8a3

    I have often thought that the AKW group should have a
    publishing mechanisim. I would like to see a cover
    designed, and many of our interm and tech notes published
    and disseminated under that cover. The only reviewing
    committee would be the group itself. Most of the official
    publishing channels are laced with impediments, time delays,
    and endless additional paperwork. If the management or

others feel that it is worthy of becoming a TN or TDR or should be submitted to a professional journal, then the additional steps could be taken....DLS   8a3a

The TPO informal center review will be held this thursday,I think in the morning though I will check on the exact time.All are welcome some guys in addtion to ED and Roc will have to be their.   8a4

I am concerned about the task write ups I do intend to use them and hence do expect them to be up to date.I realize the system is hard to get on these days and will provide comp time to guys t use it at nite .Seems like a good deal in the summer with golf and swimming.   8a5

the question here is - is there a problem in doing this that is related to system access? if so the suggestion has been made that some people may want to work a little later one day and take comp time at some future date. all of this is to be predetermined and approved in advance. in addition, the quota system is limiting us in some ways. i find that after 1700, even though we have a quota of zero, it is fairly easy to get aon the system. would anyone in the akw group be interested in working on some oddball shift? mac has suggested noon to 8 pm. i would suggest that even a deviation of an hour one way or the other might be worth considering. wpb more than once has suggested the approach used in industry. ie. get in almost anytime between stipulated limits and then work for eight hours. what do you think? please advise. -ejk   8a5a

AKW   8b

We need to train FT and RT I got a thayerogram stating he tried again sunday and could not raise the tip.Lets use his terminal and make sure the dam thing can talk to NLS   8b1

as of 16 hours on 24 july, col t's amchine was interacting with SRI/ARC. there was a small problem of interacting with gcos. but i didn't feel that i should worry about that. suggest that the system be used to send him mail and messages. - ejk   8b1a

I got a call from Major Logan.He stated that his use of the system was just not working due to lack of other peopple being on the system with him and various flacks.He suggested we consiser bringing it back to RADC since other groups had designs on it as a terminal.   8b2

mac has decided that we should bring the terminal back. does
anyone have any tdy to d.c. planned? if not a trip will have
to be scheduled. does anyone have a reason for going to
d.c.?   8b2a

The demo by BBN for us is scheduled for 31 Jule at 830. Who is
going?   8b3

   tentatively dls, jlm, ejk. who's driving? i have a '68
   mustang.   8b3a

We have to write a report summa rizing our experience on the
system up untill now. I would like to see it joint authored with
Stoney in charge and the pusher to get it started.   8b4

GDMS   8c

I would like a list of the DOD agencies prepared where we think
their might be r&d going on in the DMs area. We need to visit
these places over the next few months as more and more we are
getting hit with this kind of question. In addition I am
convinced that we are the last large group in the area which
would be nice to know.   8c1

I have a copy of the IBM charts on their IR&d pitch . We should
gwet Mike and ray down their to get a better understanding of
their modeling activities. They may be a great source of
knowledge.   8c2

F Sliw indicated to me thaat crol g will be up here next week
to review progress of the efforts as well as recieve some
assurance to us that we still intend to persue this area. What
are the dates and are all contractors coming?   8c3

VISITORS   8d

TDY/ANNUAL   8e

It seems that no one has made an entry in this file for over a
month.   I am beginning to wonder if if it such a great idea.
Probably its of primary use to the group leaders and the section
chief.   It would be neat if entrys in this file were automatically
delivered to at least the group leaders.   8f

Also the effort writeups are slowly deteroriating.   Most have now
gone off line (archived).   Again, if the chief or the group
leaders don't look at them, the troops can't be expected to put
much effort into updating them.   8g

I am purposely going to leave this file in an "un-updated" mode,
to see how long it is before someone bitches to me.----it only
took one day, so maybe things are looking up   8h

19 June   9

GENERAL: 9a

  It is our confessions this week .They will be held on wed at
  8:30   9a1

    They want D Stone to give them a straw man pitch on the
    ramifications to opening up the TIP to the center and if we
    make our compute a host.   9a1a

      grief   9a1a1

  It is official BB will retire the 29th of this month.He may
  come back for 3 or 4 months to clean up loose ends though it
  isn,t known if he can or not.   9a2

  We are now being asked for our fy 74 and 75 line items .Our 74
  is set but We should review what kinds of things we want to say
  for 75.The TPO exercise is starting up so the 75 items end up
  being of interest too.   9a3

    In this regard FT wants a short paragraph on each line item
    we give him.Use any means you have to get it done ie form
    30a,s from acrchives is fair.   9a3a

    We also have to provide a list of related programs within
    AFSC by wed.   9a3b

      FT pointed out that today it is only AFSC but by TPO time
      it will be DOD.   9a3b1

    The overview charts are due by 29 June.I think we should be
    able to use the ones I redid for Col Thayer for his pitch.I
    have the originals for AKW.Roc have you got them for DMS   9a3c

    The TPO review will be from 15 to 20 July.   9a3d

    The TPO,s are due out of the center by 15 August.   9a3e

AKW: 9b

  Dr. Conrath was here and provided some   very usefull help on
  the development of "objective" AHI effectiveness measurements.   9b1

It is clear that the NLS service will be funded .Ft has went throught the numbers and he can handle even without any additional money.   9b2

Lets schedule a rap this week prior to my vaction next week.   9b3

　　Who's "let's"? The team doesnt change until Aug. 31 you know....   9b3a

DMS.   9c

Lets have a meet on the DMs program before i go on vaction too   9c1

Lets have a assesment of the DM-1 meet.Maybe a short meet with me or you guys meet and send me a set of notes.   9c2

12 June   10

GENERAL   10a

We are being asked for our fy-74 program.The front office is going to review the program trying to asses how much we need.There is quite a bit of talk of us recieving extra money from the Center as well as from 5550.So we need a list of the items we feel must be funded in fy 74 .With a estimate of how much fy 74 money will be spent in view of the fact it must be spent by Jule 30 of 1974.I have a file caleed(mcnamara,program,1:mw)which is a fairly accurate listing of the fy 71 program .I need to have it reviewed for any additions etc by thursday am.I don,t think we need to meet on it since we have went over these items at length in the past.   10a1

I have the first draft of the SUproposal in for review I will give out sections ofinterst to the various guys.   10a2

The technical papers list is due the 12th of june   10a3

Someone has to review a pamphlet pf project case files   10a4

We have to start the manpowere estimates for FT.I hope we all understand and will help Jo and rog by cooperating.It is clear to all concerned that it will not be too meanigful in the beginning but we have to start somewhere.   10a5

Ray and J cavano were selected to attend short term courses this year .   10a6

　　Jo,s is on min computers.This is at Michicain   10a6a

11

Ray,s is on operating systems at MIT.   10a6a1

We have been asked for our need of GCOS and MULTICS manuals.The
answer is due to Capt.Stions by 15 June   10a7

AKW   10b

Did we get the directoryies for FT and COL Thayer?   10b1

Lets send a memo on the TIP and briefly describing other duties
Red might be able to do for us.   10b2

Lets schedule a meet on AKW and rap a bit on how we recover
from the reorg.I have a file (mcnamara,shin,2:mw)   10b3

Irecommend we prepare a short summary of the activity under the
Air Staff project   10b4

GDMS   10c

I would like to schedule a rap session or more on where we are
and where we are going .I have a file (mcnamara,shin,1:mw)which
I have tried to put down some of my thoughts and concerns .I
think at first Roc and i should meet and then a open session or
more with the entire group.   10c1

Where is the auto programming printout I got from ISI.Bill and
Roc are going out the last week in June and it would be good
advanced reading.   10c2

By the way make sure you see Dr webb who got his dr. from Su if
you can .We have mutual in lawss i recently learned.   10c3

Iwould like to see a test plan prepared on NLS by Ray which we
can react to and get the teest team back in business.I am going
to write a impact to the front on DM-1 as they are scaring me
in terms of their off hand attitude on a program I believe we
have so much at stake.   10c4

TRAVEL ANNUAL: 10d

VISITORS: 10e

5 June   11

GENERAL: 11a

The move will take place this week,tuesday,wedand thursday.We

will keep the same phno system and moves have been kept to a
minimum.   11a1

We have to start the manpower estimates.We need a meet with Jo
and Rog and then commence.FT is aware that it will be tough in
the beginning but wants us to at least begin.   11a2

I will be on vaction the last week of June and the first week
of July .We should review the schedule so we are aware when
guys have theirs to avoid conflicts   11a3

We need news brief items   11a4

    No one has been using (mcnamara,newsbriefs,)...probably
    because of uncertain results if they do. Should we put
    items in there?   11a4a

Write up a summary of the phone call from F Allen   11a5

GDMS: 11b

Lets have a meet on DM-1 testing .We should start again or
scream in fact maybe both.   11b1

Lets get a memo and resolvement of auerbach,s file space bit   11b2

    A memo was sent to the facility on 5 June 73 asking for a
    response to the original memo i sent to them on 16 MARCH 73
    asking for more space for the Auerbachians to implement the
    ADP software. DFB   11b2a

We need to have a mini on RAC.What day do you want?   11b3

    Joe Schramp called and said that he had come up with 10,000
    for the follow on maintenance contract for dm-1. He has
    asked for the fund citation for the remainder of the amount
    necessary to continue the program at the same level as
    presently exists.   DFB   11b3a

    I would like to be invited to the mini on this for sure DFB   11b3b

I am more convince then ever that modeling capability for users
in GDMS would be a very useful program.Like to knock around
ccan we plan on pushng this year or are we stuvk manpower   11b4

    csc will be here 14 june to discuss their simulation model
    they have developed for dia. it appears that this model of
    the gcos system along with the dials dms system might be
    available for us to utilize. prof. sargent has expressed

interest in this effort and will be availale to help us
determine if the model can be utilized by us.   ...ral   11b4a

**caci ,   the developer of the simscript ii.5 simulation
language has indicated that a course in this language can be
taught at radc for a small charge (2k). the model developed
by csc is written in simscript ii.5 and this compilier is
availabe on the h635.   how feasible is it to attemt to get
this course taught here? in addition, syracuse u. students
and profs. may be interested in this course. is it possible
to get it taught through the su contract?...ral   11b4b

resolve where are we going on IDS.Jo,s file
Chaos,(cavano,chaos,1:mw)   11b5

Let's set a definite time and day on this...OK? JPC   11b5a

AKW: 11c

We have got to start training this week with FT.   11c1

Absolutely true, but we still do not have a directory for
him....JHB   11c1a

What is the status of getting some help within & without the
section to do Tom L.'s job? JHB   11c2

I have a request for a accimplishment repirt on the Air Staff
support project(due 12 June)   11c3

DLS...Why don't we cancel this project? We have no manpower
to support it and really don't need it to document the
rental of the BR-700.   11c3a

ejk - agree with dls. unless there is a positive gain in
retaining it who needs the paperwork.   11c3b

DLS...Jim and I had a chat with Col Thayer on the 29th
concerning Toms departure for two months. His response was
tough, I guess your project will have to suffer. He called
in Dondero, to see if Red Moran would be able to give us
assistance with the Imlac, TIP, and line printer buy. Bob
said he would check with Commito (filling in for Stinson) to
see what Red's schedule was over the next couple of months.
It seems doubtful that he could help that much, since he is
involved heavily in moving and rearranging the facility for
the new computer.   11c3c

ejk - suggest you treat thayer's query on moran as a

committment, unless something intervenes. even if moran is
not instantaneously avasilable, there are other people and
some juggling can be donn.   11c3d

DLS...We need a session or two of reevaluation of the AKW
effort, where its going and how fast. With Tom absent, and
Jim leaving, I would say that the training and use by
Nelson's section may have to be postponed...If so the
Utility buy may not be needed as soon as we anticipated, ie
we would have a harder time justifying it even if Frank does
have the money.   11c3e

I strongly disagree that any of the events here should
change our plans to use the utility. We made a
commitment to SRI and should keep it even if we continue
to slip (we always are). More importantly, we need the
facility here for our present user group both for number
of users and service purposes -- a relaiable,
non-experimental service system   11c3e1

TDY/ANNUAL: 11d

VISITORS: 11e

29 May   12

GENERAL: 12a

ejk - glad to see we're back on the air. no w perhaps i can
find out what's going on.   12a1

We have to list all technical papers that have been or will be
delivered during fy-73(due date is 12 June   12a2

Does that mean me? The SID thing...   12a2a

report on the compatibility of the wwmccs os on the h635 is
availabe on the system under user iuorno (file name is
wwmccs/os)....ral   12a2b

We have two IR&D invites in house to IBM and Raytheons   12a3

Raytheon is 2* 22 June i Lexiongton   12a3a

IBM,s is 11&12 Julu at YORKTOWNHEIGHTS   12a3b

Lets schedule a mini for this Friday(what topic,though maybe we
should slip to friday   12a4

I have a script for Theaers pich i will have Marcel put it in
the setem   12a5

   ejk - let us know the address when it is done.   12a5a

FT is all turned on on the notion os keeping track of the
manpower seems like it fits reight in ,with our notions ddor Nls
.It may poi t out that it makes since to push interface of IDS
and NLS.In any case we are tasked to begon to keep acurrate
recors of our time and also our projected time.   12a6

GDMS: 12b

   read j Cavano file called chaos for thoughts on IDS and AKW   12b1

   I have a copy of rogers weekly reort to BB on the center MIS 12b2

      ejk - is it in the system?   reference?   12b2a

We have got to establish a posotion on DM-1.We either are
allowed to evaluate it or lets make all mg,t aware of the fact
that all we are going to do is make it work for RAC.   12b3

  pm   12b4

i read the DM-1 report by Auerabach and i am nervous.Why don,t
they have the extra file space and isn,t the Jovial compiler on
the system   12b5

Bob Muhlhauser will be here on the 30 and 31 of May to present
the critical design features of the dm-1 advanced dev.
software, remote query and report production. A meeting will be
held on Wednesday afternoon and the pitch will be given on
Thursday morning.   12b6

AHI: 12c

VISITORS: 12d

TRAVEL/ANNUAL: 12e

   Tom Lawrence will be on travel for the months of JUNE and JULY. 12e1

   e j kennedy will return - starting 4 jun halftime at first.   12e2

30April   13

   GENERAL: 13a

I do have the program in my MISP file lets strive to keep this
updated constantly.   13a1

I intend to visit the west cost the week of the 7th of May. I
want to see the DELPHI group ,who and where are they. Any other
items or palcaces I should visit?   13a2

I will be in the LA area as well is their any place
inparticluar I should vist?   13a3

GDMS;   13b

I want to meet with Dean before he leaves for auaerbach. on the
design bit   13b1

Lets meet this week on users interfaces highlighting RAC wed at
1315   13b2

When is Daley coming again, I really would like to see us
interact with him in relation to IMS   13b3

ROC, I have the documentauon on the Harvard study   13b4

John, i had a call from bruce berra this afternoon. he is
comung over to rome next tuesday. we will be getting together
with roc and mike wingfield to talk about the oc item for
fy-74. since i plan to leave for philly in the pm i told bruce
that the meeting will have to be in the morning.   13b5

John, i had a call from lt bill crlson at the af data sevices
center this pm and he told me that he was inttwerested in the
dm-1 system. he has received the documentation on the system
and has talked to rm. he would be willing to come up and see us
around the middle of next month. i would like your reaction on
this   13b6

AKW: 13c

Lets invite A Mario over for a demo seems like it would be good
public relations.   13c1

    Could he attend the briefing Wed morning, or would you
    prefer a more private, informal system??--DLS   13c1a

We need a task to indentify the neat things , if any NLSoffers
to programmers.   13c2

    This goes along with the idea that NLSis a core capability
    with specialized interfaces to specialized capabilties. As I

understand it ,one of those sepecialized capabilities is
programmer aids.   13c2a

    I will make inquires into the matter with NLS and TENEX
programmers at SRI..I am almost totaly ignorant on this
subject. --DLS   13c2a1

Lets start the paper work for interfacing the IMLAC to DRIPS
their may be some extra money around at the end of the year.   13c3

    Extra money   From what I understand, we can hardly pay for
what we have already bought.   There are also a couple of
77's which have been stopped because of lack of funds.   I'm
not sure we want to interface IMLAC's with DRIPS..Would
prefer to see how the cheap DNLS terminal works out..also
would rather see a replica of the SRI meeting room with CRT
projector.   13c3a

The demo is scheduled for the confernce room can grant strenfgt
put lines in for you? --JLM   13c4

    I will check--DLS   13c4a

Lets interact with J Norton informally on the idea of how we
can either reduce our $ investment or redirect it as a r&d
effort as part of the total $s   13c5

    I need to finish my study of useage trends, before we can
start thinking about reducing or redirecting $ for other
than NLS service. We already have an informal agreement
with him that he will spend some of the utility manpower on
any package that we might want..that is consistant with
overall NLS development. --DLS   13c5a

VISTORS: 13d

TRAVEL/ANNUAL: 13e

Capt. Foss from AFDSC has requested a copy of the fortran conversion
routines and the read-non-std-tape utility package which were
implemented in-house. They will be sent to Paul Karger at ESD and
will be put on the MIT MULTICS system. -FSL   14

23 April   15

GENERAL: 15a

We have to have a estimate of how much time we spent peparing
for D&F review   15a1

We will have a mini on AKW wed at 1:15   15a2

Is there any guidance/policy on the NYC computer show? We
generally get it so late that we can't take advantage of the
reduced fee for early registration.--DLS   15a3

   The same rules as last year apply.Participants will recieve
   full per diem.All others have to drive down in groups of 4
   with only the driver recieving per diem ,the others are on
   sabbatical with only thier registration being paid for.   15a3a

I now have your fy-74 program in my MISP file under branches
AKW-2e,DMSD-3e,DMSE-4e.   15b

   I hope you can assimalate these branches and keep them up to
   date and we can constantly keep this file timely   15b1

We need significant events today.   15c

   With Ed out ,we still need to train FT .It seems to me he is
   key if we are to show even any real section evaluation.   15c1

   Has Auerbach contacted us on the test bit?   15c2

      Not very much - DFB   15c2a

   What is the status of the design review on DM-1?   15c3

      See .2h3 for comments - DFB   15c3a

   Lets have a user interface meet next wed with the main topic
   being RAC   15c4

   I have a copy of a weekly progress report from roger weber
   stating we agreed to give him the support required to provide
   the generalized capability etc.Did we   15c5

Bob Doane is sending reports on computer usage with onlly numbers
attached is it easier for him to modif his program to include
names or us to give Jo a list of numbers?   15d

DATAMANAGEMENT: 15e

AHI: 15f

   Since you were not here the 18th we did not have a mini
   confession. Should we plan on one this week?--WED 25th? --DLS   15f1

   el   15f2

I did not attend confessions this past week, but TFL brought up
the topic of opening up the ARPANET. What was the response? I
also put a bug in Runninger's ear.--DLS   15f3

A bookeeping note--You will notice that I have inserted a link
under statement 1 to previous dialogue. I would suggest that
you submit previous month's dialogue to the Journal around the
tenth of each month and then delete it if you feel that its of
no current value (ie, if all questions have been answered to
your satisfaction). You should then place a link under
statement 1, for reference purposes.--DLS   15f4

VISITORS: 15g

TDY|ANNUAL: 15h

Ed Kennedy--on sick leave for indefinate period--ruptured
apendix--he's OK but sicker than a dog   15h1

I may want to take occasional leave for farming purposes during
the next month. I will give you at least one day warning. Is
there any big crunch coming up during MAY?--DLS   15h2

I am planning on going down to auerbach next wed-fri. While i
am there i would like to have ray l and someone from honeywell
be at auerbach on thursday to discuss the tpe/dm=1 situation. I
have mentioned this to ray and he has been in touch with the
honeywelll guy. nothing definite on this but I will go anyway.
I am oing to talk to l. mead on monday about her comments on
the design plan so I can take them along to auer. rm's wife is
expecting momentarily so he will not be able to come here and I
don't want to postpone the trip any longer than possible. - DFB   15h3

DFB on annual leave 29 and 30 May 73.   15i

16 April   16

GENERAL: 16a

They are offering the procurement seminar again the 7th -11th
of May.I need canidate names by 18 April   16a1

I have on erequest for a short term course ;are their any more.   16a2

   JPC *** When is the deadline for getting these requests in?   16a2a

      Their is no deadline at this time but i am sure it is in
      the near future.   16a2a1

DATAMANAGEMENT: 16b

AHI: 16c

Col.Thayer has expressed a interst in showing to Larsen our
trip reports being prepared and avaiable on the system.When the
printer is up lets give him a copy of some ones to show to
COl.Larsen.   16c1

I don't think that it premature to give col larsen the type
of briefing that was given to the sab, if it can bearranged.
The usual thing that is done is to wait until someone
imposes a requirement on us, then in a big rush we show them
1 10 of our capability. eg the big gabelman briefing. why
not try to sieze the initiative just once. if you concur i
would like to get jack runninger over here and run him
through as a sort of trial balloon. he is open to new
technology applications and a good propagandist for
something he likes. comment??   16c1a

I agree.Lets bring this up to FT and BB.I also think that
it might make sense to invite Gabe as well as when we
here his MIS discussions NLSis really to a great extent
what he is descdibing.In fact it might be attractive to
explore tying either reconn and say IDS or both into NLS
along the lines of engelbarts thinking.We are currently
giving him a sysyem which is based on the reverse
logic.Namely we build all of the software ourselves in
the house around our machine and our people.   16c1a1

DLS--I have had two independent contacts with
Runninger (APR 18 & 19) on the subject of terminals.
He has been given the word that he will become an
ARPANET user, to access NIC for purposes of sending
messages to ARPA and to access ARPA's PDP-15; which
has some sort of MIS on it for keeping track of ARPA
contracts. Apparently ARPA will be giving him (or he
may be required to buy) a GE Terminette terminal. He
was concerned about that particular terminal, and
whether it could be used with our local computer. I
assured him it could be and gave him two files I had
prepared for Major Logan, one on CMC and one on
potential replacements for the MTST.   16c1a1a

During the course of our conversations, he mentioned a
desire to start playing with a text editor (he had in
mind the GCOS Editor). I told hom that the NLS editor
was more powerful and since he would be using the NIC
for communicating with ARPA, he might as well learn

the NLS editing system. He seemed receptive, and
indicated that he would like to come over some time
and get a further rundown on NLS-- to get a head start
on learning how to operate the system before he gets
the Terminette. I will follow this up and try to get
a date set.   16c1a1b

I also think that the trip reports should be links in the
effort writeup file.   16c1b

What is the status of the TYCON buys and the paper work on the
silent 700,s?   16c2

VISITORS: 16d

TDY|ANNUAL: 16e

I am planning to visit auerbach next week to review the
comments forwarded to rm by myself and lorraine mead of iitri.
- DFB   16e1

9 April   17

GENERAL: 17a

John, if you look in my journal mail there is a memo from doug
engelbart concerning the talk we had on the net the other day.
He did not go into much detail on the energy data base system,
but some investigation in regards to dm-1 and sri might be
called for. This would also go along with the sab
recommendation that we think about making dm-1 available over
the arpanet. I am not convinced that we want to do this now for
obvious reasons, but we might want to keep the issue alive for
a while. What do you think?   17a1

I amintersteed in seeing a gdms interfaced to NLS but I am
leary about DM-1 without more testing.I guess like you I
think we should keep it on the back burner.-JLM   17a1a

The extension or renewal of the dm-1 maint contract has been
discussed with j. schramp. He in formed me that they do not
have any money for such an effort. He. did say that he would be
willing to handle the paperworl, however. furhter talks with
you asap are needed.   17a2

Well that is better than no help at all.Lets begin as the
old one runs out i July I think.We will have to make sure it
shows up in our program for fy-74.-jlm   17a2a

FT is asking for a list of our fy-74 program by the end of this
week.Lets make a cut at it.   17a3

I am making charts for ColThayer who has to give a overview of
IS at the d&f review on the 23rd of this month.I may have to
call for help.   17a4

We have been asked by Ft to update the 5581 write up so it
reflects out TPO better.It is due the end of this week.My Misp
file is a starter.At least it will get ROC out of the situation
of doing it hiimself every year.   17a5

Bill Stinson gave me a form where we as users can suggest to
Honeywell improvements we would liike to see in gcos.I have the
form .   17a6

Jo has to explain each phohe call as to where and why .Where
possoble please let her know when you make one and briefly
why.(if their are obvious reasons you know I can guess don,t
bother but if it is one only you may know much abouv please let
her know.   17a7

Their is a short effective speech course being offered on base
startin 1 May and ending 10 May .Need nomination by 16 April   17a8

     Lt. Wingfield   17a8a

DATAMANAGEMENT: 17b

DM-1 Mait.(FT said yes but suggested we pitch RN to cost shrae
since it directly supports them.   17b1

FT wants us to write a memo to procurement stating why we
killed the effort rather than going open bid (primarily for our
mg,t and maybe for some one like A Mario)   17b2

     What is the above statement talking anout??? - DFB   17b2a

     This is refering to the sole source effort with TRW on a
     security study.-jlm   17b2b

Auerbach has delivered additional copies of the training manual
for dm-1 to mike landes.   17b3

Dean reported to me a chat he had with doug englebart on
possibilty of using dm-1 over the net both to interface to NLS
and also support a program to keep track of our country
resources etc,He has a journal file which we should read   17b4

The draft design document for the dm-1 remote query and report
production system was delivered to radc on 6 april 73. The
document has also been sent to L. Mead at iitri for review and
comments. - DFB   17b5

    Initial comments on the auerbach design for renote query and
reort production have been forwarded to l. mead at iitri.
she will add hers and the results forwarded to r.
muhlhouser.   17b5a

    I would like a presentation or discussion on the design
etc.Questions like what do they expect the TPE to do for
them concern me for instance.   17b5a1

d
 Roger Weber has a request in for DobVanalstine and D Trad to
generalixq the program to handle 3500 tapes(what do we think,how
long ,feasible etc,)   17c

AHI: 17d

    We should give the dcs/p&o some thought in terms of guidance
.(i know ds indicated he had some thoughts on what they might
do).   17d1

    I hate to say anything, but when I was just there, I gave
them guidance --on using AHI as a prototype for inter &
intra office automation for DCS & anyone in the Pentagon who
might walk in. See (bair,trip,).   17d1a

    DLS--My only thoughts were in terms of things we might do to
upgrade the capability of the BR-700; ie, more storage
caicity, limited searching capability, remote modem
connections, etc. We can aways keep in the back of our
minds a replacement for the 700, but I don't think we should
push this until they discover some of its limits for
themselves.   17d1b

    Okay;I do think you should plan a trip down to chat with
them on their effort one of these weeks for a couple of
days.-jlm   17d1b1

Major Zarra sent us a draft copy of the ADMINROC for our
comments.We sure should comment.Their is no mention of AKW or
for that matter RADC.   17d2

    DLS--will do this week. Are we still slated to get a
MULTICS ID? Not that I really want one.   17d2a

From what I could gather from Zarra I don,t think it
makes much sense. A Barnum is arguing we should get the
entire job since zarra is off on another study and the
ROC is another example of how difficult it is for ESD to
call on us when MItre is next door.-jlm   17d2a1

FT wants us to asign a focal point in our section for all
terminals so as to help him keep some sense into our terminal
acquistions. Seems to make sense. He did suggest we be felible in
the beginning until we can pull off all of our great plans   17d3

DLS--Tom and I can accomplish this function without too much
additional work. It turns out that we have become the
terminal experts in the branch by default through our
constant search for new and better terminals for AKW. Lou
Comito recently did a survey for the division which contains
most of our terminals in the branch. Is our function to
duplicate Lou's? We have several times created plans for
AKW terminals for the branch. We certainly have a good
notion of what is on hand. The biggest problem is in
coordinating new buys initiated by the other section.   17d3a

Just talked to Bill Stinson, He asked me if we could use the
br2200 displays we bought for MADAPS?If we can seems like a
neat way to get BB a display type CRT in the interim plus
give us some experiance prior to choosing the CRT we want as
the interim between IMLACS and TELETYPES.   17d3b

DLS--have had preliminary talk with DFB. He indicates
that the units have some degree of flexibility through a
patch panel inside the machine--ie baud rate, parity, etc
are not switch selectable. We have no mannual which
explains how to do this, but Dean says that there may
still be a BR man in Syracuse who knows the beast. Also,
Stinson apparently has directed Trillio to see if he can
hook one up to the 635 sys. I would guess it might take
a couple of manweeks to make an honest attempt to hook it
to the TIPmaybe less depending upon the luck that Grant
Strength has had--should we go ahead? I doubt it will
contribute much to our understanding of the text CRT.   17d3b1

I will relay your comments on to Stinson. If he is
willing I don,t see any real objection though it might
make more sense to just get them useful with GCOS.-jlm

                                                            17d3b1a

Make a hard copy of the pitch to open up the NET to at least
the Center for FTand send BB a copy. Maybe we can get a
discussion going. If printer is down then have Jo or marcel type
it for you.   17d4

DLS--Will do   I sent WPB a copy via the journal system.   17d4a

I would like to try the manhour bit because i really believe
our mg,r should have a better feeel where their money is going
.So lets start or have a meet to argue it out.   17d5

    DLS--I suggest a meeting with EJK, JHB, TFL, JLM and
    myself--at your earliest convienience.   17d5a

When does our traing bit begin?.Lets start   17d6

Lets make a hard copy for FT on message sent to DLS from doug
on community of knowledge workers community.for FT and BB.(It
is clear we FT on the system.   17d7

I beleive we need a lit search and some visits to researchers
etc who are also doing things which can be viewed as aids to KW
workers.   17d8

VISITORS: 17e

Dick ward will be here on the 10 of April at 0900.   17e1

Dr. Borden should be here 16 Apr for a few days.   17e2

TDY ANNUAL: 17f

                                                                  18

April 2   19

This file is becoming too bulky. and this branch takes too long to
print.   Suggest that the items that have been closed out be
deleted or, at least , not copied next week.   For example, the
br700 bit and the directory for logan.   19a

GENERAL: 19b

Their is a opening at plans/ops for a 11 or 12 as a trainee for
a year.They will recieve a one grade promo for the year and all
11 or 12,s are welcome to apply.(We have two flyers in the
section)   19b1

I am going to start a monthly mini-confession with my own
variation namely we will highlight one aagreeed upon task as
well as briefly summarize status of the vaarious tasks.Lets
start with the following schedule:
GDMS Testing-4 April 0830

GDMS Dev.   11 April "
AKW   18 April "   19b2

RADC spring fling is being oranized by BB and sounds worth
while ,it is on 28 April   19b3

The wwmcs familarization has begun.The guys were picked by the
front office so ewe are forced to live with it for the next 4
weeks.Each guy should understand that his first priority will
be wwmcs and next his other work.   19b4

News breif items are due this week   19b5

DMS: 19c

Lets roc and I review 74 program this week   19c1

I would like to see us explore keeping Daley on in some
consulting capacity in relation to IMS and DM-1 binding.What do
you think?   19c2

    What is a Daley ??? - DFB   19c2a

How is the honeywell effort coming in terms of DM-1?   19c3

Goel called and asked me when he can get on dm-1.We had told
him our goal was 1April and I would think it over as to exactly
when in view of many things(He apparently had called f sliwa
first)   19c4

    The matter of Goel and dm-1 has been a subject of some
    confusion for some time. I don't know if he wants a copy of
    the system or if he wants to play with our copy. Also, he
    may have something to do with the rac operation, but it has
    never been made clear exactly what his interaction is with
    rac. I would like some additional inputs on this. - DFB.   19c4a

    Along these same lines,A Barnum said that he had offered
    dm-1 to project create.They want to bring it up on their
    635.He told them that it would only take maybe 15k from
    Auerabach.Bob somehow said 100k so at this point it is dead
    but who knows.   19c4b

Lets schedule a meet on dm- testing.I am concerned about how we
operate for the next few months in view of all of the
confusion.   19c5

AHI: 19d

I finaaly called Major Zarra.He said they were moving very
slowly due to other commitments but did have a draft ROC they
would send us for cooridination.He also mentioned or asked
really if we had herad of a study called SAD85.He said it was a
new one much like the Base Mission Analysis but oriented twards
how the base would function and what would they actually do i
guess.I said no,and he indicated we may be asked to be involved
on some level.I asked him about MULTICS and he indicated that
due to work pressures he had been unable to get the ROC on the
compute etc.   19d1

I would like to work out the task write up bit so i can easily
up date my report to BB and FT.   19d2

   DLS--I have a suggested reporting format and some
   proceedures which could be used by you to prepare an up-line
   report on status in my file called STATUS. I would like to
   get with you on this at your convenience, before I go much
   farther with it.   19d2a

   Do we have a firm format we can all use for the task write
   ups (by the way to be consistant why not these things
   efforts?)   19d2b

      DLS-I have always called them efforts--effort
      writeups--etc   19d2b1

   I think a couple of us should visit the DELPHI group
   ,Unkafers,MIT and any other group who puport tb helping
   knowledge workers(would be intersting who Doug feels are in
   this activity besides himself)   19d2c

DLS--Should anyone from here be going to this meeting? I know
the time is short, but maybe JIM could catch a session or two
while he is in Wash D. C. I got this from the ARPANET news.   19d3

   4/1-4   IIA   5th National Meeting   Phila.
               THEME: INFORMATION: THE INDUSTRY OF THE 70s?
   IIA, 904 Montgomery Bldg., Wash.D.C. 20014 (301) 654-4150.
                                                                19d3a

      Sounds great,if jim can get in without cost other wise we
      are stuck.Why not link to Jim and let him explore it.   19d3a1

How did we make out on Jim,s request on a directory for Major
Logan.?   19d4

   I havent heard a thing....as of now , I guess I'll have to
   use RADC, which is not too good for a number of reasons. Jim 19d4a

I talked to SRI late friday and they said it was impoosible
to add another directory at this time so i guess were stuck
to use the radc or rexamine our other ones though i think we
have allready cleand thoe up.   19d4b

Lets change the pr on the br-700 to one year as a result of the
meet last week   19d5

DLS--The PR has already gone out. Why not wait until 74 and
extend the lease for another six months then??   19d5a

Okay: 19d5a1

VISITORS: 19e

On 5 april, bob m. will visit radc to talk to f. sliwa. The
subject will be the d&f effort that frank is planning for coming
fy.   19f

Ms. l. mead is visiting radc this week. she has provided a writeup
on her opinion of the adp software for dm-1 and rac.   19g

TDY ANNUAL: 19h

Jim Bair will be gone to dcs p&o fo rthe week to train Major
Logan.   19h1

The persons listed below are recommended to attend the Honeywell course 6330 (GCOS analysis) at Mclean Va on Nov 5th thru Nov 16th. The are suggested due to their prior experience with GCOS. It is anticipated that these individuals will serve as instructors/trainers for other ISI personnel involved in WWMCCS tasks: Primary 1. Trad, David F. 2. Liuzzi, Raymond   Alternates 1. Mark, Donald 2. Cavano, Joseph   signed Capt Daughtry / 17 Sept 73   1

Did Changing Control Characters Help?

We haven't much expereince with people working in NLS through IBM
equipment, but obvioulsy it will happen more in the future.   In that
line I'd be glad to hear if the information I sent you about changing
control characters helpt with the 2741-Tycoms?   1

Progress?? with TYCOM

Phone call—17 SEP 73—Dick Conroy   1

Asked Dick for the serial # of the Selectic II's we have. Needed
these for the procurement people (Phyllis Moleski?? X4975) so she
can complete the package for the next 3 TYCOMs. Serial # is 875,
gives Selectric II, 10&12 pitch, half backspace, and 15 inch
carriage. If we want pin feed platen, we should get it directly
from IBM, about $125.   1a

I asked Dick if it was possible to have the unit sence the margin
and return the carriage and line feed, without sending out the
carriage return and line feed codes. He said he thought it would
be fairly straight forward, and mentioned a similar problem they
had overcome with NSA..Later however, he said that they had only
changed the code transmitted when the carriage return key was hit.
He promised to have the engineers take a look at this, and though
maybe he could gin up something for the next three units.   1b

He has already ordered the typewriters for the next three units,
and wouldn't be too happy if base procurement took it into their
heads to supply them with typewriters. The lead time is 3 months
minimum, so I promised to try to get Phyllis to abandond this
approach. TYCOM doesn't charge anything over cost for the
typewriters, so to avoid the 3 month delay, I told John Catalano
to relay this to Phyllis.   1c

I explained the problems that we were still having with the one
TYCOM..it transmitts intermitently wrong characters, and
occasionally on printing out inserts extra spaces and once in a
while misses a space while carriage returning. We have taken
their suggestion and connected the unit directly to the TIP, to
eliminate the possiblility of line problems...the problem was
still there. He said to ship it back to the factory and that they
would fix or replace it (free of charge). Mailing address is: 1d

    Atten: Richard Conroy
    TYCOM Systems Inc.
    26 Just Road
    Fairfield NJ 07006   1d1

    He said that REA/AIR was a good way to ship.   1d2

IMP 2 VDH

Jim--
I am reading Alex's mail while he is away, and I saw your inquiry
about the VDH to be attached to IMP 2. The site associated with it
is the Stanford A.I. group; and the associated site person is Vint
Cerf.
--Nancy   1

Response to Day's query

Tom Boynton does not have a Nic ident.

Response to Day's query

John,   1

In reply to your questions: 2

   Jerry Burchfiel has agreed to participate in the ongoing dialogue,
so he is probably the best person to deal with your BCPL questions
(I'm interested in the language, too).   2a

   About the specs: 2b

      As an aside, I don't think it really matters how much demand
for the TIP emulator I perceive, since Steve did not put things
in terms of a 'request'. Howsomever -- John Heafner agrees that
it is a vergy good thing, and tho I don't care for the TIP
(aesthetically), I am very much in favor of having a
consistent, predictable interface. Hopefully, the TIP interface
will be upgraded, but at the moment, it only has quantity going
for it. Most people are familiar with it. The ARPA community
has a large number of travelers. They need to be able to use
the local Net connection with zero learning time.   2b1

      Besides, how much trouble will it be to build a parallel
command interpreter??   2b1a

      The idea of having PEESPOL generate PAL is that outside of
Illinois, most people program the 11 in other languages, PAL
being one of them. Have PEESPOL put out PAL and plugging in
other modules, and modifying ANTS code becomes easier for them.
THere are probably other reasons, which I will defer for others
to answer.   2b2

      I seriously doubt that there is great interest in having the 11
do the linking. Again, the intent here, is to be able to link
together modules generatedd in different languages.   2b3

      SIngle Command Access refers to things like NETSTAT using DMCG,
NEWS using TIP RSEXEC, and whatever other services becme
available and popular. Eventually, RSEXEC may supercede this
capability, since (it says here...) it may become a useable
virtual Exec.   2b4

I hope that this has cleared up at least some of your questions. I am
sending copies of it to the others invovled, to keep them apprised of
the dialogue.   3

   See you soon. --Dave.   3a

Re: (18979,) Moving SIGART to the NIC User Group

It looks to me like SIGART should be a NIC user and in that group.
Ferg: Please move SIGART directory to the NIC user group (not NIC
staff). Kirk: a good point   1

Discrepancies in directory names and hostnames

Jim,
   I notice in your memo (19079,) that you 'set up the directory
UK-ICS'. This is not the hostname Peter Kirsten and I agreed upon,
and, if it is for the TIP, does not match the precedent that most
TIPs end with the word 'TIP'. I have used UKICS-TIP (per Peter's
instructios) everywhere else, and was under the impression that host
directories would be cleared through me for proper names before
implementation. Any feedback will be appreciated.   JAKE   1

HELP System Data Base Decisions of 14 Sept 73

A summary of the meeting attended by DVN NDM JMB KIRK MDK.

HELP System Data Base Decisions of 14 Sept 73

Summary of "DIRT" Decisions made on 14 Sep 73 (summarized by MDK):   1

ALTERNATIVES   2

Alternatives should be shown in syntax expressions by using local
acronyms, not by vertical stacking. Each local acronym should be
defined on the next lines after the syntax expression in which it
is used, with alternative keywords listed horzontally, and
separated by the word "or".   2a

GLOBAL ACRONYMS   3

All global acronyms should be defined under CONCEPTS.
The definition of a global acronym should include its delimiter
(DVN dissents on this). No global acronyms should be "MENU"ed.   3a

We assume the user knows the definition of every global acronym he
encounters. If he doesn't, he can get the definition in the same
way he gets the description of any other CONCEPT.   3b

Global acronyms include: 3c

ADDRESS   (replaces DSEL)
           = BUG / (OPTION DAE CA) in DNLS
           = DAE CA in TNLS   3d

SOURCE   (replaces SSEL)
           = ADDRESS / OPTION TYPEIN   3e

CONTENT   (replaces LSEL)
           = TYPEIN / OPTION ADDRESS   3f

TYPEIN   = any-user-text CA
FILENAME   = CONTENT when used for file names   3g

VIEWSPECS
LEVEL-ADJUST (replaces LEVADJ)   3h

STRING   (replaces TEXT-ENTITY)
STRUCTURE   (replaces STRUCTURE-ENTITY)   3i

LOCAL ACRONYMS   4

All local acronyms should be defined under the syntax expression
in which they occur. If they occur in more than one syntax
expression, they should be defined each time they occur.   4a

No local acronyms should be "MENU"ed.   4b

Whenever possible, local acronyms should be consistently the same.
For example: 4c

    ANSWER = YES or NO
    ENTITY = STRING or STRUCTURE   4d

NOTATION   5

Functions   5a

Functions like CA, CD, INSERT, REPEAT, CONFIRM, OPTION should
be defined under CONCEPTS.   5a1

They should be shown typographically in all caps, with no angle
brackets or other visible delimiters (MDK dissents on this).   5a2

Control Characters   5b

Control characters should be shown as suggested by NDM, namely
<control-y>.   5b1

SYNTAX   6

In the file <userguides>commands, each syntax expression should
contain the full command wordage for a command, rather than using
indentation and depending on part of a previous expression's
wordage as at present.   6a

Groups of commands that begin with the same word (such as the
Copy's) can be under a branch suitably named.   6b

Commands recognized by the single-letter recognition scheme will
be flagged, for example   6c

    *Copy STRING ...
     Create File ...   6c1

JMB will take over responsibility for maintenance of
<userguides>commands.   6d

CHANGES TO COMMAND LANGUAGE   7

There will be a file called <userguides>changes that will
contain an annotated list of recommended minor syntax changes to
the command language. Whoever wants to should put their ideas in
this file. At some point when CHD, CHI and DIRT are ready, the
"changes" file will be used to help bring about final decisions on
the command language syntax.   7a

HELP DATA BASE STRUCTURE PROBLEM   8

 An internal restructuring of the HELP data base is needed to
resolve problems associated with the use of SID's and statement
names in links, and to help reduce the problem of too many NLS
levels being required to get the HELP user to the information he
seeks.   8a

 One such data base restructuring was proposed by NDM, and is
described briefly below. Comments on this are welcome.
Alternative restructuring proposals are also welcome.   8b

The "naming" problem is this: 8c

 Descriptive statement names must be used for definitions of
concepts or commands, in order that users can access the HELP
system simply. In addition: 8c1

  Any definitions may link to any other given definition, so
the statement name for a definition must be unique
throughout the HELP database.   8c1a

 Some substatements within definitions serve similar purposes
regardless of the definition in which they occur, such as
"function", "syntax", "example", and "confirm".   8c2

  So there is a potential conflict between using descriptive
names and having those names be unique.   8c2a

  We can't rely on the uniqueness of SID's for even those
cases where a DESCRIPTIVE statement name isn't needed,
because there is always the likelihood that an SID might be
changed by an NLS operation on the database.   8c2b

NDM's HELP DATA BASE STRUCTURE PROPOSAL (as understood by MDK)   9

 Proposal: 9a

  We propose that there be two classes of statement names used in
the HELP data base: user-oriented names and data-base oriented
names. We propose further that neither SID's nor statement
numbers be used for statement identification in HELP database
LINKS.   9a1

   User-oriented statement names are what the user types to get
info, e.g. (INSERT). These will be applied to all
definitions of concepts or commands that the user is to be
able to call upon directly.   9a1a

Data-base oriented statement names need not be "descriptive" (but must be unique), and can be composed by any scheme that is internally consistent. These are to be used when user-oriented names are unnecessary.   9a1b

The HELP data base information (i.e., actual text) would not necessarily be physically structured in the way that it is to appear logically to the user.   9a2

Instead, its logical structure would be described by a separate network of named statements containing links to the desired information.   9a2a

For ease of maintenance, this network of links would be composed of branches that are physically structured to reflect how information is to be displayed for each given instance of use.   9a2b

In this way a given statement or branch containing textual informaton could appear in a variety of logically different contexts, but would physically be in the data base only once.   9a2c

Advantages: 9b

This approach resolves the problem associated with use of duplicate names, and with use of unstable SID'S and statement numbers.   9b1

It is easier to build and maintain the data-base, because it's easier to find if and where a definition exists.   9b2

Definitions may be structured according to an expert's conceptual view of NLS, rather than sprinkled at random through the data base.   9b2a

When alternate definitions of a concept are required by a user, or when updating of these definitions must be done by a data base maintainer, the advantage is that all the definitions occur together.   9b2b

The link network --- i.e., the logical structure of the database --- is more dynamic (easier to move things around and change the network).   9b2c

Disadvantages: 9c

Slower execution time, by an amount unknown at present.   9c1

4

It appears that in order to achieve this, "menu"ed items would
have to be selected by menu item number only, not by mnemonic
name.   9c2

Other Possible Solutions (considered and rejected):   9d

STACKED NAMES IN LINKS ...   9d1

still likely to cause maintenance problems, because when you
move a statement (and its substatements) out of a branch
you've lost the validity of any link pointing to that
statement and all its substatements via the original branch.   9d1a

CAREFUL USE OF SID'S ...   9d2

must train any data base maintainer very carefully; the
possibility of error can go undetectud for long periods of
time   9d2a

Question re Naming of the UKICS Directory

I relayed Doug's request to set up UK-ICS to Mike who had it done.
Pity you and he didn't discuss it. It can still be changed. I'll look
into it tomorrow.   1

TRIAL MESS. FROM MTB TO RLT.

WHAT HAPPENED TO THAT LAST MESSAGE,   THERE WAS A LINE GLITCH AND IT
JUST SORT OF DISAPPEARED,,,,, IT DIDN'T EVEN HAVE AN ADDRESS ON IT.
ANYWAY, AS I WAS SAYING, RIC, WOULD YOU PLEASE FIRE A FEW MESSAGES
THROUGH THE SYSTEM FOR ME SO I CAN FIGURE OUT HOW TO HANDLE THEM.   1

Very Distant Host Attachment to SRI IMP

According to Nancy Neigus (on behalf of Alex McKenzie) (19110,), the
Stanford A.I. group (Vint Cerf) is attaching to the SRI IMP as a very
distant host.   Doesn't make sense to me, but...   1

Tip on Use of INMES

Duane: Browsing thru your initial file (to see if you got notified of
a neew ARPANET NEws,, really nothing   anyway, I noticed that you
input sequential from your message file. I do this every day   or more
often, but use the user-program in the <user-progs> directory : inmes
I'm not sure if you have used it   The way to do so is to
 G [oto] P [rograms] G [et] inmes CA [loading userprogram]
 then: G [oto] P [rograms] E [xecute program] inmes CA
 then the program will ask you where you want the message.txt file
inserted give address or bug select CA then the level and it will
do its thing.
 The good thing about it is that it makes a branch for each mesage
and fits the text into lower level branches in a clean way. It also
makes a good one-line "index-type" format for the higher level
branch.
 Then you hae to be careful to be sure you have no "just recieved"
messages before deleting the message.txt file . Have at it.. Jim   1

Visitors 9/20: Saudi Arabia Planner and DCA 9/18 Visitor Names

   Jeanne: We will have visitors from Saudi Arabia Central Planning
Agency here for a demo of the VIDEO PROJECTOR Thursday 9/20 starting
about 3:00. Therefore we will need to have the proj TV left on (Dirk
will be using to show IBM visitors earlier). The SRI man who will
bring the visitors is Peter Duncan (sp?) or perhaps Dave Brown or
Bart Cox. It is VERY important that the TV be up and running when
they get here. Hmm I guess the time of arrival I heard was 3:15 to
the Institute, sometime after that to ARC. So....we'll just leave it
up after Dirk. It takes over an hour to warm up...that's the rub..
ok? Jim Oh, the visitors today were from the DCA (Defense
Communications Agency) Their names are as follows: 1

   Dr. Jon Bayless, Director of Hybrid Simulation Center   1a

   Herman Lowell, Physicist, System Control   1b

   Defense Communications Engineering Center   1c

   1860 Wiehle Ave.
   Reston, Va. 22090   1d

DEC Maintenance Status Questions

For Martin: 1

   Would you please make a return call to Bill Townsend od DEC to
   let him know the status (from our viewpoint) of the following
   problems we discussed recently. And let me know, too?   1a

      df-10 problem   1a1

      pager problem   1a2

      ma 10 problem   1a3

      robbed discpak   1a4

   Thanks, Jim   1b

An Interesting Paper by Alex Reid, a Londoner (in 1971) re
Telecommunications Research

NEW DIRECTIONS IN TELECOMMUNICATIONS RESEARCH -- an interesting
paper.   1

   Doug: I recently received a copy of Reid's paper (listed below)
from Roger Hough, SRI   1a

   Reid should have known about our work in 1971 when he wrote his
paper. If you run into him there [tho' I assume you won't have the
time or inclination), at least here's a reference to his work.   1b

Alex Reid (Communications Studies Group, Joint Unit for Planning
Research, University College London and London School of
Economics). New Directions in Telecommunications Research: A
Report Prepared for the Sloan Commission on Cable Communications.
62p. June 1971.   1c

   Brief: .... Alternative criteria for future developments
in person-person telecommunications are considered. Relevant
allied areas discussed are information theory, applied an
experimental psychology, management theory, sciology, urban and
regional planning, geography, and human communication
techniques. Future research is suggested in community
communications, human aspects of telecommunications, rather
than simply the needs of business firms. The psychological
background of telecommunication as related to technology is
explored.   1c1

People's Computer Center and Loving Grace Cybernetics

I glanced at your community informaton proposal in connec tion with
the output processor problem but I noted it's content. There is some
rather interesting quasi and outright counter cul ture activity in
this filed in the bay area. One is the People's Computer Center
<journal,18980,> but the most interesting is thee Community Memory
of the Loving Grace Cybernetics in Berkeley. The are operating this
service with a 33 attachd to a 940 (the one tat used to be ARC's as
it happens) in a record store in Berkely The community memory is a
sort of bulletin board for seeling lost dogs etc. Notable are the
instructions, super clear and simple, based on clored keyes.. Maybe
I'll get a chance to put their paper online some time.   1

Tentative RFC to correct RCTE option

Please let me know if you have any comments, before I release this --
Thanks.

Tentative RFC to correct RCTE option

Network Working Group   D. Crocker
Request for Comments: #   21 SEP 73

NIC #

References: RFC 560, RFC 563
Categories: Protocols, TELNET, RCTE

1

Corrections to RFC 560
Remote Controlled Transmission & Echoing TELNET Option

1a

Section 1 of the RCTE Option specification (18492,2a:gy) was supposed
to include the name and code for the option. The code was
accidentally left out. That statement should read: 2

    RCTE   7   2a

In RFC 563 (18755,) John Davidson criticizes RCTE's apparent failure
to allow Net I/O and server computation to overlap.   3

I agree with John's criticisms and feel that the following should fix
the problem: 4

    1. Change 5.A (18492,2e1)   4a

        from: 4a1

            Overview of Interaction   4a1a

        to: 4a2

            Overview of User Terminal Printing Action & Control   4a2a

    2. Change 5.B.5.a (18492,2e2e1)   4b

from: 4b1

    A Transmission character is one which REQUIRES the User Host
to transmit all text accumulated up to and including its
occurrence. (For Net efficiency, User hosts are DISCOURAGED
from sending before the occurrence of a Transmission
character).   4b1a

to: 4b2

    A Transmission character is one which RECOMMENDS that the
User Host transmit all text accumulated up to and including
its occurrence. (For Net efficiency, User hosts are
DISCOURAGED from sending before the occurrence of a
Transmission character).   4b2a

3. Change 5.B.5.b (18492,2e2e2)   4c

from: 4c1

    A Break character has the effect of a Transmission
character, but also causes the User host to stop its
print/discard action upon the User's input text, until
directed to do otherwise by another IAC SB RCTE <cmd>
command from the Serving host. Break characters therefore
define printing units. "Break character" as used in this
document does NOT mean Telnet Break character.   4c1a

to: 4c2

    A Break character REQUIRES that the User host transmit all
text accumulated up to and including its occurrence and also
causes the User host to stop its print/discard action upon
the User's input text, until directed to do otherwise by
another IAC SB RCTE <cmd> command from the Serving host.
Break characters therefore define printing units. "Break
character" as used in this document does NOT mean Telnet
Break character.   4c2a

4. Change 5.B.6 (18492,2e2f)   4d

Tentative RFC to correct RCTE option

from: 4d1

    Input from the terminal is (hopefully) buffered up to the
occurrence of a Transmission or Break character; and the
input text is echoed or not echoed, up to the occurrence of
a Break Character. The most recent RCTE command determines
the echo, Transmission and Break actions.   4d1a

to: 4d2

    Input from the terminal is (hopefully) buffered into units
ending with a Transmission or Break character; and echoing
of input text is suspended after the occurrence of a Break
Character and until receipt of a Break Reset command from
the Serving host. The most recent RCTE Break reset command
determines the Break actions.   4d2a

5. And add 5.C.5, 5.C.6, and 5.c.7 as follows: 4e

    (5) Text should be buffered by the User host until the
occurrence of a transmission character in effect at THE
MOMENT THE CHARACTER IS TYPED.   4e1

    (6) The Serving and Using hosts must carefully synchronize
Break Class Reset commands with the transmission of Break
characters. Except at the beginning of an interaction, the
Serving host MAY ONLY and MUST send a Break Reset command
IMMEDIATELY AFTER receiving a Break character. This should
establish a one-to-one correspondence between them. (A
<cmd> value of zero, in this context, is interprested as a
Break Classes reset to the same class(es) as before.)   4e2

    (7) Transmission Class Reset command may be sent by the Serving
host at ANY TIME. If they are frequently sent separate from
Break Class Reset commands, it will probably be better to
exit from RCTE and enter regular character at a time
transmission.   4e3

TRY 2

THIS IS A SAMPLE MULTIPLE LINE MESSAGE
THIS SHOULD BE LINE 2 OF THIS MESSAGE OF HOPEFULLY GREATER THAN
SEVENTY-TWO CHARACTERS IN LENGTH.   1

Some useful links for you

now journal mail

why wasn't tere any journal mail waiting for me when i signed on just
now? also, how come i can't dig up (bell,mtb,1)   1

Subject: Operational Test of DM-1 Data Management System   1

TO: AFDSC/CC   2

Request you review the DM-1 Data Management System as developed by
Auerbach Corporation under contract with Rome Air Development
Center and develop a data project plan for an operational test of
the current DM-1 system on the AFDSC Honeywell 635s.   2a

Your data project plan should emphasize expected costs, milestones
and deliverable products. Any questions concerning this project
may be directed to Capt R. D. Knoll, AF/ACDB, 325-0660.   2b

FOR THE CHIEF OF STAFF   3

A.R. Mourges, Col, USAF
Chief, Technology & Standards Branch
Policy Division
Directorate of Data Automation   4

isection thoughts

GDMS   1

We seem to have a goal in dms modeling which is needed
,defensible,and the personnel to man such a effort I think we
should strongly consider going all out in this area.   1a

RAC:This job on the surface sounds very straight forward yet I not
convinced we have a clear understanding as to what our or RN,s
roles and goals are .As a result it makes it very difficult to
size the job for the next year or so or guide RN on a proper
course of action .I do think that we need one guy responsible for
the entire job since the dev and what ever the other is are so
interlaced that their no way to separate the effort.   1b

For instance.It is clear frome the meet last week that Bob
Mulhauser still views this a a general DMS dev while RAC has a
specializednnneds.It seems to me that we cannot afford the
luxory of a general soultion in the teeth of Shear,s guidance
and our mg,t position:(1)Make it work for RAC(2)RADC cannot and
will not persue the further dev of dm-1 as a full scale dev
unless some user leads the charge.Hence it is more important
that it works for RAC than how general it solves everybody
problems   1b1

Our goal in technique dev is not as clear at least not to me   1c

We pushed a technology in DM-1   1c1

Binding   1c1a

Job libary   1c1b

As it now stands we do not know how well or badly
auerabach did in achieving those goals,it seems to me we
have to know if we are to stay in the dm business.The
wmmcss involvement for instance will dictate our
knowledhe of this since it is a goal of wwdms.   1c1b1

In addition ,the only system we know about that has
simalr features is IMS with the advent of the Net it
would seem we could explore how this works or as early
thought,use Daley as a conslultant to feed us inputs
in this area.   1c1b1a

File Primitives   1c2

We have a program buliding primitives for system buliders if
a dms using Multics.We have a program to use these tools to
bulid file handling problems and the basis for buliding a

1

Secure GDMS under Multics.I am not clear what the technical
thrust is once we have demonstrated that the file primitives
work.It would seem that the secure dms requirements do not
necessarily dictate a technical thrust ,in any case we
should knock this around and try to clearly state our
technical objectives.   1c2a

RADC/MIS: 1d

This a program we inherited as a result of the re-org.Worse
than that is that the direction of the effort is allready set
in conrete in a way which i don,t agree with yet were stuck i
think for the time being to support R Weber as best we
can.Though it must be clear to FT that DMarcks and J Femia will
have to provide the on call maitenance to FEMIS.Roger sounds
llike the plan is to get out as asp but it is hard to see how.I
would think a better approach is to help guide the center in a
more rational position for the long haul like using a GDMS over
the net or WWDMS or AFOLDS which will both be on the GCOS
.Again I think we should pound out a position and begin to
actively sell this to all levels of our mg,t.ie lets not get
stuck again with some wild notions like lets bring up dm-1 or
something.   1d1

AKW: 2

We seem to be stalled at the very moment that the lights went
on.ie the idea of a set of core tools for knowledge workers with
interfaces to the individual specialized need seems logical and
meanigful .however,with the recent re-org we are in a state of
confusion as to what to do .   2a

For example I have no clear picture as to what our evaluation
plans are exept for jim,s organization measurements which i
think are of interest but are not what we will need as the main
type of evidence.   2a1

For instance,Do we still intend to run comparitive type test
?   2a1a

My discussions with D Englebart convine me that we have to have
a couple of guys who can and do program special packages in
L-10 for us.   2a2

First,because our needs are somehat unique and it is bad
news to have to wait for SRI all the time.   2a2a

sesecond,we have to have a better appreciation for what kind

of special tools NLS offers for the special kind of
knowledge workers called programmers.   2a2b

I recognize that might mean diggernt manning requirements
than we now have but I think we have got to face up to
these things if we are going to persue this program.   2a2b1

Also we have to be aware what can be done on the NET in
this same vein since ARPA is pushing a big program in
this called Automatic programming,I am not clear what
role if any Crocker see for NLS.This is Nelson,s area
here but if we are to mumble about the great tools
NLSoffers for programmers we cannot ignore reality.   2a2b2

A Barnum has seen the light in terms of long range application
,thanks to K Uncafer and is interested in seeing us propose at
some point a rather large exp in this area.Of interest i think
thaat uncafer is the one who stressed that the exp had to be
large and that the time was ripe.Apparently he feels their is
interest and potential support for AKW type of programs
beginning to emerge at the high echelons.   2a3

Training   2a4

We have to get better orgainizeed here.i don,t see why J
Bair can,t help us out by taking a crack at producing a
course and appling it with the likes of FT Thayer,bobbie
etc.   2a4a

One general concern I have is that we quickly redistribute
the work load ,some of the procurements have to be handled
by other guys.   2a4b

Empty File Sent to Test Journal

<JJOURNAL>19134.NLS;1, 20-SEP-73 12:34 XXX ;   Title: Author(s):
Jeanne B. North/JBN; Sub-Collections: SRI-ARC; Clerk: JBN;
Origin: <NORTH>EMPTY.NLS;1, 20-SEP-73 10:15 JBN ;

1

Superwatch Average Graphs for Week of 8/27/73

TIME PLOT OF AVERAGE IDLE TIME FOR WEEK OF 8/27/73
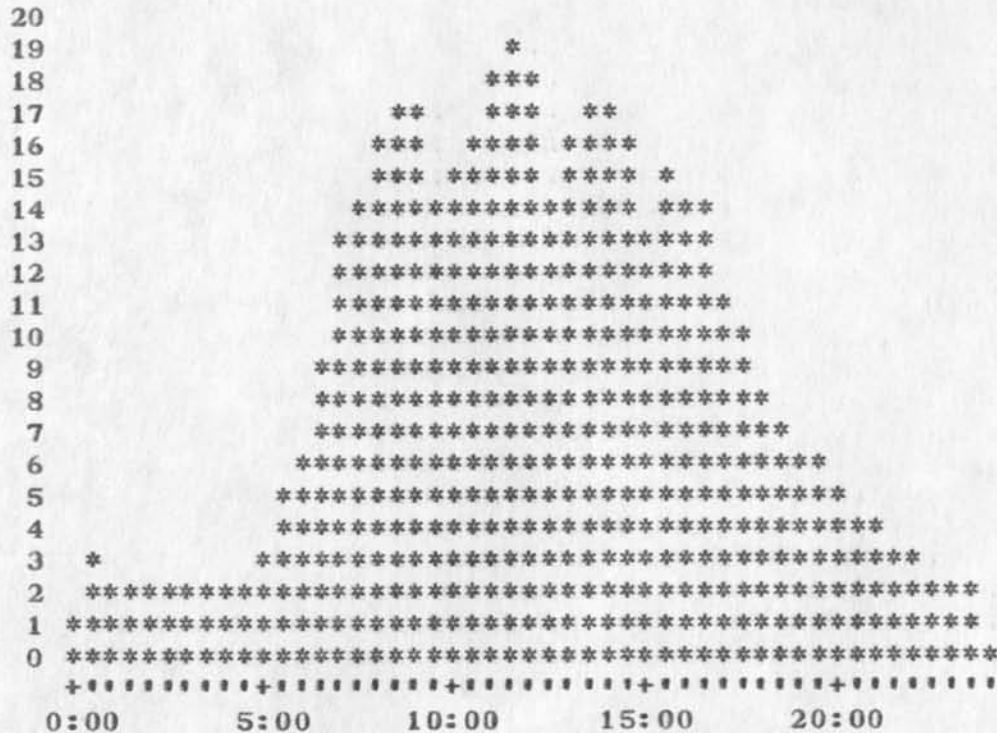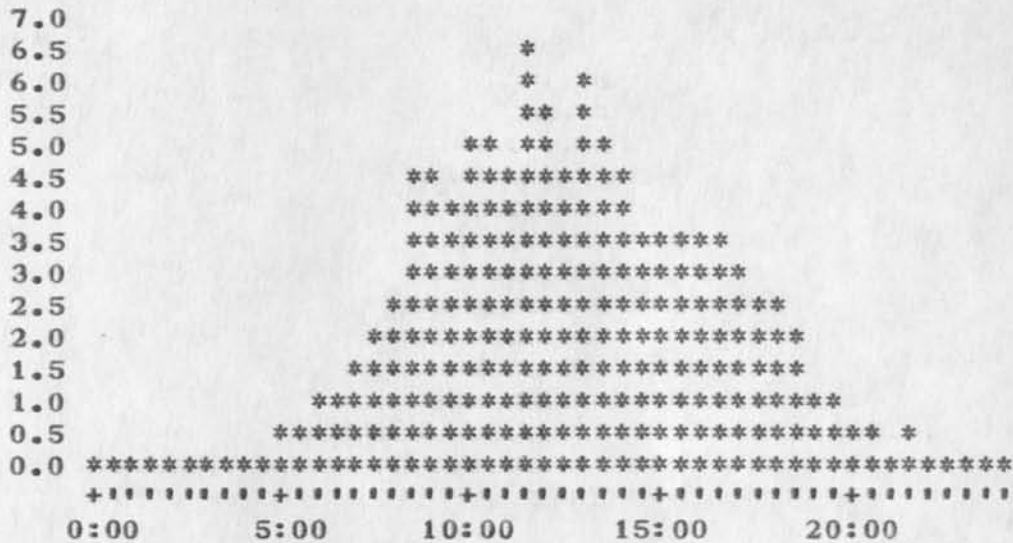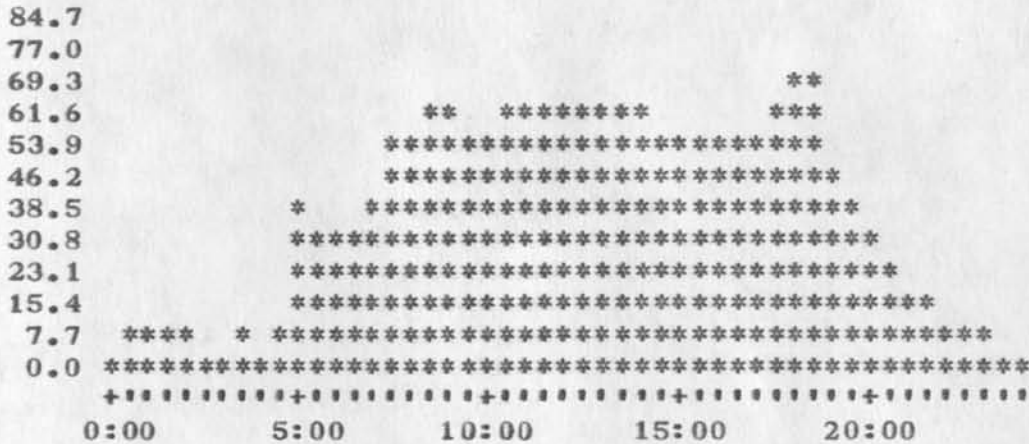x axis labeled in units of hr:min,   xunit = 30 minutes   1
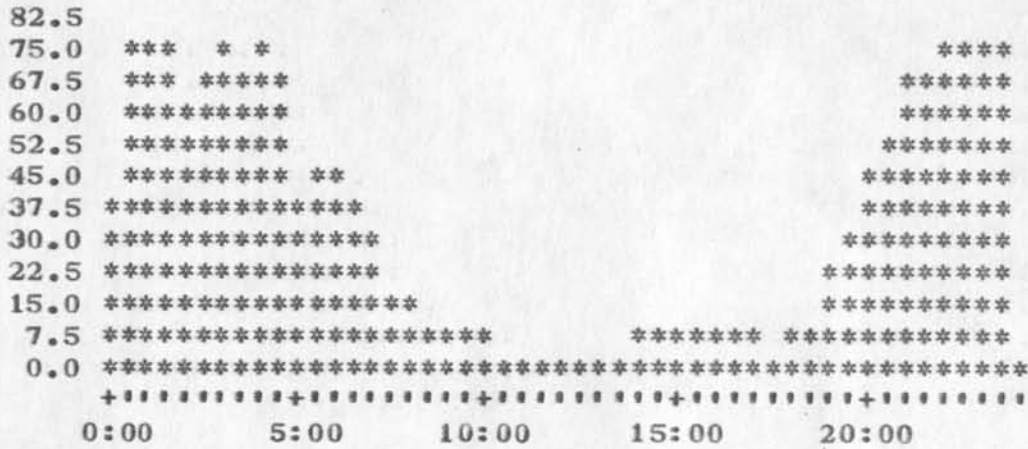
```
82.5
75.0   ***   * *                                               ****
67.5   *** *****                                              ******
60.0   *********                                              ******
52.5   *********                                             *******
45.0   ********* **                                          ********
37.5  **************                                         ********
30.0  ***************                                       *********
22.5  **************                                        **********
15.0  ******************                                    **********
 7.5  **********************           *******  ************
 0.0  ***********************************************************************
      +ииииииии+иииииииии+иииииииии+иииииииии+иииииии
      0:00       5:00      10:00      15:00      20:00                        1a
```

TIME PLOT OF AVERAGE NUMBER OF NETWORK USERS FOR WEEK OF 8/27/73
x axis labeled in units of hr:min,   xunit = 30 minutes   2
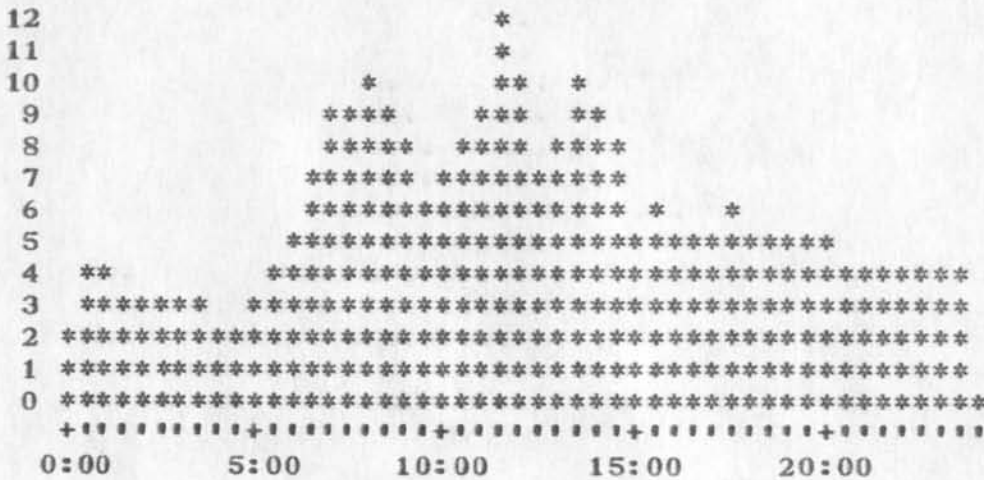
```
12                        *
11                        *
10                 *     **  *
 9               ****    *** **
 8               *****  **** ****
 7               ****** **********
 6               ***************** *    *
 5               *******************************
 4   **         *********************************************
 3   *******  ************************************************
 2  ******************************************************************
 1  *******************************************************************
 0  *******************************************************************
    +ииииииии+иииииииии+иииииииии+иииииииии+иииииииии
    0:00       5:00      10:00      15:00      20:00                          2a
```

Superwatch Average Graphs for Week of 8/27/73

TIME PLOT OF AVERAGE PER CENT OF SYSTEM USED IN DNLS FOR WEEK OF
8/27/73
x axis labeled in units of hr:min,   xunit = 30 minutes   3
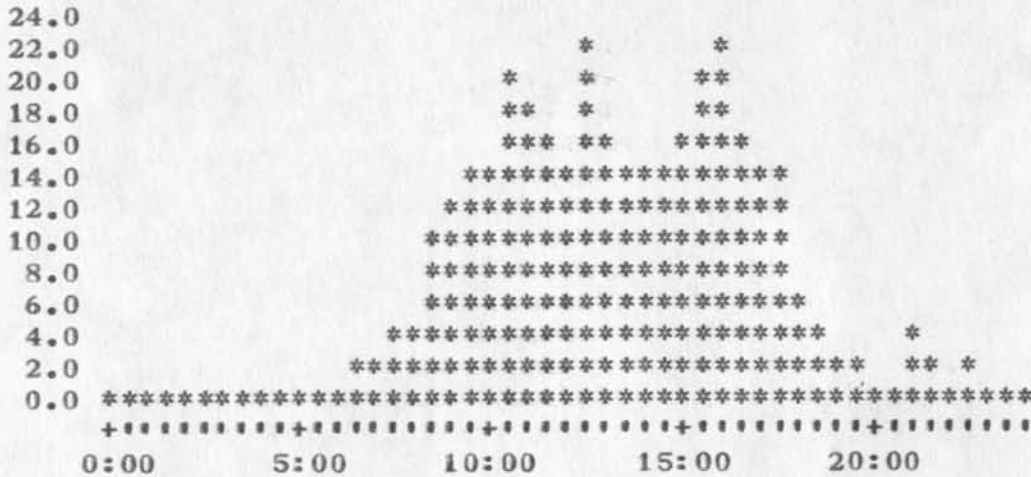
```
24.0
22.0                              *          *
20.0                         *    *        **
18.0                         **   *        **
16.0                         *** **       ****
14.0                      *****************
12.0                     *******************
10.0                     ********************
 8.0                     ********************
 6.0                     *********************
 4.0                  ************************         *
 2.0                ******************************    ** *
 0.0  *****************************************************************
      +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
      0:00        5:00       10:00       15:00       20:00              3a
```

TIME PLOT OF AVERAGE NUMBER OF USERS FOR WEEK OF 8/27/73
x axis labeled in units of hr:min,   xunit = 30 minutes   4

```
20
19                           *
18                          ***
17                 **       *** **
16                ***      **** ****
15                ***     ***** **** *
14                ****************** ***
13                *********************
12                ********************
11                *********************
10                ***********************
 9                ************************
 8                *************************
 7                **************************
 6                ****************************
 5               *****************************
 4              ******************************
 3   *          ********************************
 2   ***********************************************
 1   ***********************************************
 0   **************************************************
     +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
     0:00        5:00       10:00       15:00       20:00              4a
```

TIME PLOT OF AVERAGE NUMBER OF GO JOBS FOR WEEK OF 8/27/73
x axis labeled in units of hr:min,   xunit = 30 minutes   5

```
7.0
6.5                               *
6.0                               *   *
5.5                               **  *
5.0                             **  ** **
4.5                           **  *********
4.0                           *************
3.5                           *******************
3.0                           ********************
2.5                         **************************
2.0                       ****************************
1.5                     ******************************
1.0                   ********************************
0.5                 **************************************  *
0.0 ***************************************************************
    +!!!!!!!!!!+!!!!!!!!!!+!!!!!!!!!!+!!!!!!!!!!+!!!!!!!!!
    0:00       5:00      10:00      15:00      20:00                 5a
```

TIME PLOT OF AVERAGE PER CENT OF CPU TIME CHARGED TO USER ACCOUNTS
FOR WEEK OF 8/27/73
x axis labeled in units of hr:min,   xunit = 30 minutes   6

```
84.7
77.0
69.3                                        **
61.6                   **   ********        ***
53.9                 ***********************
46.2                 **************************
38.5      *          ****************************
30.8          ********************************
23.1          ************************************
15.4          **************************************
 7.7  ****  * ****************************************
 0.0 ***************************************************************
    +!!!!!!!!!!+!!!!!!!!!!+!!!!!!!!!!+!!!!!!!!!!+!!!!!!!!!
    0:00       5:00      10:00      15:00      20:00                 6a
```

3

iread mail

DLS 17-SEP-73 09:50   19109
Progress?? with TYCOM
Location: (JJOURNAL, 19109, 1:w)

1

WPB 17-SEP-73 07:46   19107

Message: The persons listed below are recommended to attend the
Honeywell course 6330 (GCOS analysis) at Mclean Va on Nov 5th thru
Nov 16th.   The are suggested due to their prior experience with
GCOS.   It is anticipated that these individuals will serve as
instructors/trainers for other ISI personnel involved in WWMCCS
tasks: Primary 1. Trad, David F. 2. Liuzzi, Raymond   Alternates
1. Mark, Donald 2. Cavano, Joseph   signed Capt Daughtry / 17 Sept
73

2

WPB 17-SEP-73 07:27   19105

Location: (JJOURNAL, 19105, 1:w)

3

AAM 17-SEP-73 05:52   19104
Scheduled Software Release
Message: This is a reminder that Network Software Maintenance is
scheduled between the hours of 0700 and 0900 (Eastern Time) on
Tuesday, 18 September 1973. Although software releases are checked
out as much as possible in the BBN test cell, thre are sometimes
problems of scale which are not detected until after a release;
hence there is a small but finite possibility that the software will
be troublesome for a few hours after the scheduled release.
Sincerely,
Alex McKenzie (for the Network Control Center)

4

RBP 14-SEP-73 11:37   19082
Notes on AFSC Visit
Location: (JJOURNAL, 19082, 1:w)
*****Note: Info*****

5

WRF 14-SEP-73 08:44   19078
Monitor Work for Next Few Weeks
Message: For the next few weeks, Jim Blum and I will be working on
assembling and testing the TENEX monitor for the Tymshare utility.
Our work is going to require some amount of system downtime. I
realize that this may pose an inconvenience to some of you, but

iread mail

please bear with us. In an attempt to allow you to arrange your
schedules, I will keep the UP-DOWN schedule current. If you have any
large jobs which will require the system at night, feel free to tell
me, and we will negotiate the schedule.

6

EJK 14-SEP-73 07:35 19076
Directions for r&t selection of the month
Location: (JJOURNAL, 19076, 1:w)
*****Note: I'm putting this in the tickler so that people can know
what an r&t selection is when they are asked for one*****

7

WPB 14-SEP-73 06:05 19074
WWMCCS Training/630 course
Message: Of ten qualified people notified to attend meeting to
discuss volunteers to attend 630 course (6000 GCOS analysis) at
Mclean on November 5th only three (3) showed. They were Calicchia,
Mark, and Mclean. I will submit the names of two people most likely
to be heavily involved with WWMCCS for the course at a later date..
by Monday at the latest....Capt Daughtry.

8

WPB 14-SEP-73 05:58 19073
WWMCCS Training
Message: The Honeywell course 620 (6000 system software) along
with other pre-requuisites is a "must" before anyone is accepted to
the 630 course (6000 GCOS analysis). 620 is a five day course. At
least, 630 should be taken by members of the WWMCCS study group.
Therefore, I propose that a 620 course be set up here at RADC for
the following personnel and any other interested party in RADC.
Attendance must be "required". The people are: Rzepka, Daughtry,
Robinson, Vanalstine, Lamonica, Dinitto, Vito, Mott   Otherwise, we
must arrange for individual attendance at some WWMCCS sponsored
course where TDY is necessary.....Dave Daughtry.

9

WPB 13-SEP-73 14:12   19063

Message: major vargosko, project officer for the WWMCCS ADP users
Group conference, has arranged for twin cc   accomodations at the
ARVA motel 26 thru   no, 24 thru 26 sept Wash DC for d. daughtry and
one other (d. Robinson). Conference agenda has been sent to all on
WWMCCS mailing list.

10

EJK 13-SEP-73 12:56   19061
SADPR-85
Message: Do you know Walt pritchard at ESD/XRE?. He is visiting us

iread mail

today and discussing the follow-on to the Mission Analysis fr Base
Comm.   You can get in touch with him at 75-3075 Mitre   or 271-3075.

11

DLS 13-SEP-73 09:30   19057
Access to On-Line Userguides
Location: (JJOURNAL, 19057, 1:w)

12

    Comments: For Mac..and anyone else who might be interested..There
    are a lot of goodies in the system you might want to read
    about/try.

12a

EJK 12-SEP-73 08:43   18997
TYCOM's
Message: We have at RADC two TYCOM's that we have been trying set up
to work properly with the net and with AKW. We seem to have licked
most of the problems except for one. The basic unit on our tycom's
is the IBM Selectric ii, which does not automatically return the
carriage at the end of the line. If the carriage return is used to
return, it also functions as the command accept which makes for
awkward text entry by the two girls who will be operating these
machines. I called Bernie Cosell at BBN and he indicated 1) he has
had the same problem, but he forgot the solution. 2) that Jean North
know hos to fix things so that the cr is just a cr and that the
Control D functions as the command accept. Can you help with some
instructions on setting up the thing so that it is useful.
*****Note: info*****

13

    Comments: for jcn jbn dvn (info for two of you - but I don't know
    which two)

13a

EJK 12-SEP-73 07:40   18994
RADC MIS Plan
Message: Just rec'd a request from FJT. He wants a first -cut
proposal from us for a Center MIS. The whole cluge: contracts,
equipment,training, organiztion of info and data base, cost, schedule
and what have you. He knows that the statement has already been made
that there is no loot available but apparently they want to spell out
specifically what they do't want to pay for. In any event I feel
that jus tperhaps this might be used as the basis for really selling
a MIS. At least we can give them the chance to put their money where
their mouth(s) are. I must give Frank a date for when the plan can
be pitched. Due Friday. HOHOHOHO

14

    Comments: Your views are urgently solicited. For the mezzaliterati
    -HELP

14a

iread mail

FJT 12-SEP-73 07:28 18992
tickler - Sorry but more Info
Location: (JJOURNAL, 18992, 1:w)

15

EJK 12-SEP-73 07:26 18991
note to jlm - sadpr-85
Location: (JJOURNAL, 18991, 1:w)

16

FJT 12-SEP-73 06:35 18989
tickler for week of 17 Sep 73
Location: (JJOURNAL, 18989, 1:w)

17

JWJ 7-SEP-73 08:31 18847
Effort Writeup--IDS Application Programming
Location: (JJOURNAL, 18847, 1:w)

18

   Comments: Journaling to free file space..this is old, but may
   still be of some use if effort writeups are revived.

18a

FJT 7-SEP-73 07:18 18844
tickler for week of 10 september
Location: (JJOURNAL, 18844, 1:w)

19

EJK 7-SEP-73 06:46 18842
lost execuport
Message: Somewhere between 1830 on 6 Aug and 0830 on 7 Aug an
Execuport was borrowed(hopefully) from the office where Cap daughtry
resides. Does anyone have any information. Please advise him or me
before we call in the CID.

20

FJT 6-SEP-73 13:54 18833
Tickler for week of 10 Sep
Location: (JJOURNAL, 18833, 1:w)

21

EJK 4-SEP-73 14:57 18808
Note on woman versus machine
Location: (MJOURNAL, 18808, 1:w)

22

FJT 4-SEP-73 10:42 18807
Tickler for week of 4 Sep 73

iread mail

Location: (MJOURNAL, 18807, 1:w)

23

DLS 4-SEP-73 07:40   18804
Fros & Sullivan
Message: The Frost and Sullivan reports are news to   Maybe we should
get a more complete reference, and try the library. We could also
consider getting them via UC if we can locate the source. Dennis
Maynard, and maybe Walker might have heard of them. Also I'll check
with the SRI troops.

24

DLS 4-SEP-73 07:36   18803
Tickler
Message: Ref (mjournal,18780,) from Rog P on tickler...The date of
the last file change is automatically created in the Origin
statement. Maybe this should be printed out with the rest of the
file. Explicitly adding the date to the first statement, flagging
new statements with the (*), and then deleting the flag seems a
round-about way of indicating new items. The K viewspec may also be
used to indicate the exact date, time and last changer of each
statement. The two week or greater timeperiod for the tickler may be
a good idea, if it is not clouded by the standard garbage. It might
be better to have the last statement(s) reserved for emphasizing
important one-of-a-kind items.

25

JLM 4-SEP-73 06:26   18802

Message: Has any one heard of a set of reports done by a firm called
Frost & Sullivan?I got a call from Major Zarra at esd and they have
been referred to these reorts as a excellent summary of the sota in
daa procesing but they are quite expensive and he is hoping that we
might have a set.They sound like they are simalar to the ones done by
Auerabach.I have to call him back by wed.Send me a message if you
have heard of them or know there where abouts.

26

RBP 31-AUG-73 11:45   18782
5550 task engineer
Location: (MJOURNAL, 18782, 1:w)

27

RBP 31-AUG-73 11:27   18780
comments on tickler file system
Location: (MJOURNAL, 18780, 1:w)

28

DLS 30-AUG-73 14:14   18725

iread mail

RADC MIS--comments on the plan
Location: (MJOURNAL, 18725, 1:w)

29

    Comments: These are my personal feelings about the draft plan
    prepared by Rog Weber. I don't really understand the "ball game",
    so some of them may be "off base".

29a

AAM 30-AUG-73 14:32   18728
Scheduled Software Maintenance
Location: (MJOURNAL, 18728, 1:w)

30

DLS 30-AUG-73 14:08   18726
AKW Group Meeting..Status and Problems of Project
Location: (MJOURNAL, 18726, 1:w)

31

EJK 30-AUG-73 12:12   18723
Emergency — delete bad message
Message: Please delete the message relating to Jim Bairs Finale —
summary & status report. This message has a control-shift z in it
which causes the IMLAC to crash- immediately. Therefore the deletion
shoul be made on an Execuport. Sorry about that neighbors.

32

EJK 30-AUG-73 10:01   18718
Access to NLS
Message: At this time RADC has a quota of 2 and I am the only one on.
If you have difficulty getting on the machine try between 1200 and
1300. No sweat.

33

EJK 30-AUG-73 07:58   18716
Jim Bair's finale
Message: capt Bair will be making a summary and status report on his
findings in the evaluation to-date. Mac' office 1500 30 Aug. Too bad
if you don't log in and get your mail — you missed it.

34

JHB 29-AUG-73 11:23   18703
Net Host Connection Problems -- continued.
Message: The following is BBN's (Neigus) response to SRI's comment
(18642,) about the continuing problem of broken and silent
connections.
Thanks for your pointer to ILA's message (journal,17838,). It does
make sense but is not related to the problem Bair is experiencing.
When the load averageis high, the NCP is slow to respond to incoming
RFC's (requests for connection). The TIP has a timeout of about 30

iread mail

seconds (to receive a responce to the RFC) and if it doesn't come by
then, it times out and aborts the login attempt. Most hosts have
longer timeout periods in their user Telnets, and the connection
attempt is often successful there. The TIP timeout is sufficient for
most hosts at most times, but a high load average on a TENEX can
cause trouble. One way to get around this on a tip is to do a series
of login attempts ina row, until one matches.
--Nancy

35

    Comments: For your information -- edification.   35a

TFL 28-AUG-73 13:23   18695
trip report
Location: (MJOURNAL, 18695, 1:w)
*****Note: would you please ask marcelle to type this,please.*****

36

EJK 28-AUG-73 10:47   18691
quickie comments on Cavano's thoughts on the Tickler file
Location: (MJOURNAL, 18691, 1:w)

37

JPC 28-AUG-73 06:52   18686
Some Thoughts on the Use of the Tickler File
Location: (MJOURNAL, 18686, 1:w)

38

    Comments: I would like to know what you think on our use of these
    systems.   38a

JPC 27-AUG-73 08:12   18673
Some Thoughts on Usage of our Tickler File
Location: (MJOURNAL, 18673, 1:w)

39

    Comments: I see some problems with our current use of some of our
    systems. Although this is not a definite solution paper it is
    intnended to provoke the thoughts of others (hopefilly).   39a

JPC 20-AUG-73 12:56   18512
Meeting Notes on Jocas Cost Estimating
Location: (MJOURNAL, 18512, 1:w)

40

    EJK 24-AUG-73 11:14   18645
    info on phone numbers

iread mail

Location: (MJOURNAL, 18645, 1:w)

40a

JHB 24-AUG-73 06:37   18631
Silent Connections to Host 2
Location: (MJOURNAL, 18631, 1:w)
*****Note: For your information*****

40b

Comments: This 2 pp document represents an attempt to deal with
some of the problems we have been having at RADC getting into
Host 2.

40b1

DLS 23-AUG-73 09:22   18620
TPO 11-FINAL FORMAT
Location: (MJOURNAL, 18620, 1:w)

40c

Comments: This is reformated TPO 11, according to the official
format..took about an hour to redo, which is equivalent to a
retyping job.

40c1

DLS 20-AUG-73 12:02   18510
SOFTWARE SCIENCES TECHNOLOGY   TPO-11
Location: (MJOURNAL, 18510, 1:w)

41

AAM 20-AUG-73 09:03   18507
Network Software Maintenance
Message: This is a reminder that Network Software Maintenance is
scheduled between the hours of 0700 and 0900 (Eastern Time) tomorrow,
Tuesday 21 August 1973. Although software releases are checked out
as much as possible in the BBN test cell, there are sometimes
problems of scale which are not detected until after a release; hence
the Network MAY be shakey for a few hours after the scheduled
release.
Sincerely,
Alex McKenzie (for the Network Control Center)

42

FJT 20-AUG-73 08:39   18505
WWMCCS Progress Meetings
Message: WWMCCS Progress Meetings, directly following Branch Chief's
meetings on Monday mornings wil no longer exist. They will be
replaced by on-call meetings as required by Capt daughtry or
management personnel WHEN REQUIRED and you will be notified as far as
in advance as possible.   FJT

43

iread mail

FJT 20-AUG-73 08:34 18504
toll calls
Message: All toll calls to Utica & Syracuse will be made via tie
lines. There will be no direct toll charges to Utica or Syracuse
while tie lines are in effect. Hopefully, this and your strict
control of other toll calls will rec reduce the base's large toll
charges...fjt

44

JHB 20-AUG-73 05:42 18498
Net Reloading effect on users -- suggestions.
Location: (MJOURNAL, 18498, 1:w)

45

   Comments: RADC: For your information. (guiea = guinea)   45a

FJT 17-AUG-73 06:00 18485
tickler for week of 20 August
Location: (MJOURNAL, 18485, 1:w)

46

EJK 16-AUG-73 14:08 18479
notes on ma for base comm
Location: (MJOURNAL, 18479, 1:w)

47

WPB 15-AUG-73 09:24 18462

Location: (MJOURNAL, 18462, 1:w)

48

JHB 15-AUG-73 07:02 18415
Status of Printer Use
Message: The printer is back on port 4. Port 5 is captured. It will
be released when the TIP is reloaded. PLEASE don't forget to Give
Back the port after send print. IF the TIP has been done at all, you
must set the data rate: @ d r 4599 LF.

49

FJT 13-AUG-73 07:59 18378
Tickler File for week of 13 August
Location: (MJOURNAL, 18378, 1:w)

50

JHB 10-AUG-73 13:22 18362
What to do in case of trouble with the TIP or printer.
Message: An SOP has been set up with Capt. Stinson to be used in case
of trouble with either the printer or the TIP: CALL the Facility
secretary, Mrs. Rossi, at ext. 7009 and report the problem. It has

iread mail

been agreed that she will then notify Jim Moran, et. al., who will
then correct the problem.

51

DLS 10-AUG-73 06:08   18348
RADC USER STATISTICS--JAN 73-JUL 73
Location: (MJOURNAL, 18348, 1:w)

52

JEW 9-AUG-73 13:55   18338
Ident Confusion Reported by BBN-TENEX
Location: (MJOURNAL, 18338, 1:w)

53

EJK 9-AUG-73 13:11   18337
pitch preparation
Message: i am creating a file called pitch in it i am putting in
little goodies that might beuseful in putting together the pit h for
the steering group take a lodk at any time. any inputs will be
selocomed.

54

FJT 9-AUG-73 10:25   18334
FY-75 TPO Summary (8 page version)
Location: (MJOURNAL, 18334, 1:w)

55

FJT 9-AUG-73 10:21   18333
fy-75 tpo summary (six page version)
Location: (MJOURNAL, 18333, 1:w)

56

EJK 7-AUG-73 15:07   18288
lost file
Message: we here at RADC have inadvertantly lost a file. presumably
someone deleted it erroneously assuming that it had been archived.
the file is <mcnamara>ft. I used the exec's interrogate command and
found to my utter amazement that it worked. a few minutes later the
file came on line. unfortunately for the good guys... some unknown
idiot had created two versions or rather two files with the same
name. one in 1972 and the other in july 1973. is it possible to get
the 1973 version? the one that was retrieved , naturally was the
1972. we'll get the hang of this thing yet. could you advise asap,
or one little girl is going to be doing a lot of typing in a real
hurry. how are you feeling?(dvn)i

57

EJK 6-AUG-73 14:38   18226
Format for TPO

iread mail

Location: (MJOURNAL, 18226, 1:w)

58

WER 6-AUG-73 05:45   18215
Rzepka's Trip Report to ARPA
Message: TRAVEL DUTY REPORT

59

EJK 2-AUG-73 09:51   18168
nls chart
Message: Sorry to hear you were ill. it must have been all that wild
night life in rome. After I sent the message to you, i found out that
in fact we already had a copy of the chart. It has already been
redrawn, turned into a vuegraph and used in Mac's pitch which went
quite well. Thank you for the response upon your return to the salt
mines.

60

TFL 2-AUG-73 09:06   18164
travel duty report, ejk & dls to bbn - jul 30,31 '73.
Location: (LJOURNAL, 18164, 1:w)

61

DLS 30-JUL-73 12:48   18118
History
Location: (LJOURNAL, 18118, 1:w)

62

TFL 30-JUL-73 06:44   18060
file reading
Message: with respect to your comment about noone reading you notes
in the staffmeet file, be advised that big ed and bobie and i(la
forge)religiously read the file even with all the spelling errors.

63

DLS 27-JUL-73 14:01   18046
NLS Login Proceedures (slanted toward terminet-300)
Location: (LJOURNAL, 18046, 1:w)

64

    Comments: If you can get this printed out all by yourself, you're
    half way there.   64a

WPB 25-JUL-73 11:39   18007

Message: ms caral giammo will arrive radc at approximately 1130
hrs on wednesday 1 aug. she will be briefed by sai the same afternoon
and by prc the following morniing. she will talk to isi personnel in
a mtg the aternoon of 2 aug...attendees will be...daughtry, iuorno,

iread mail

mcnamara, tomaini, sliwa, etc.

<div align="right">65</div>

JHB 24-JUL-73 18:31   17997
Criteria for the Performance of the Oganization, RADC Established by
the Management
Location: (LJOURNAL, 17997, 1:w)

<div align="right">66</div>

    Comments: These results are submitted to management for their
    revision, concurrance, ments, rejection, etc. No response will be
    taken as complete concurrance. Thank you.

<div align="right">66a</div>

FJT 24-JUL-73 11:44   17990
Three week Preview
Location: (LJOURNAL, 17990, 1:w)

<div align="right">67</div>

    Comments: any ideas, comments, or suggestions,please let Bobbie
    know

<div align="right">67a</div>

DLD2 23-JUL-73 13:38   17982

Message: a meeting has been set up during the period one thru
three august with mrrs caral giammo of the joint technical support
agency and several contractors doing work related to pertinent jtsa
efforts...the contractors are sdc, prc, and sai...project monitors
are iourno, daughtry, and wingfield respectively..purpose of the
meeting is to brief synopsis of jtsa efforts to giammo and introduce
giammo to daughtry........signed .. dave daughtry.

<div align="right">68</div>

EJK 23-JUL-73 13:38   17981
info on ejk group
Location: (LJOURNAL, 17981, 1:w)

<div align="right">69</div>

FJT 23-JUL-73 11:29   17975
Form 30a's prepared july 1973 for fy-74
Location: (LJOURNAL, 17975, 1:w)

<div align="right">70</div>

EJK 20-JUL-73 11:28   17959
briefing chart
Message: when dvn was at radc this week he used an overview chart
showing the system. mcnamara has to give a pitch on our fy-74, 75
program, of which the akw efforts are an important segment. The
overview chart as i remember it contained a central oblong block,
which was cross-hatched, a number of other smaller block above and

<div align="center">12</div>

iread mail

below the central block. the central block depicting nls and the
others the various input & output devices on the top and the various
subsystems (wrong word)that can be manipulated. a copy of the chart
sent over the system or by mail would be most useful. alternatively
enough verbal and quantitative info to enable us to recreate the
chart would be helpful. time is of the essence, so i need not tell
you to use the sstem. please zap some kind of reply to me. thank
you-all.
*****Note: info*****

71

WPB 20-JUL-73 08:22   17946
bethke directory
Message: subject..bethke file user.. capt daughtry shares this
file with the esteeemed chief..ex-chief that is..submitt messages
with appropriate attention comments..thank you. dave.

72

EJK 19-JUL-73 15:09   17934
help
Location: (LJOURNAL, 17934, 1:w)

73

EJK 19-JUL-73 14:46   17933
reply to critical comment.
Message: anonymous critical comments are a bit gauche.

74

JPC 19-JUL-73 11:09   17889
SPECIAL NOTICE
Message: There will be an informal luncheon this Friday at JJ's on
Floyd Av in honor of Frank Sliwa. Everyone is welcome to attend

75

    Comments: Pay as you go   75a

EJK 19-JUL-73 08:17   17885
untitled
Message: uncritical comment, we'll miss you when you're gone - but
not too much.
*****Note: this is a test,and the message is for bair*****

76

TFL 18-JUL-73 14:14   17872

Message: this is a test mesage to seee if DVN has fixed the Journal
distribution to groups...If he has this should go to all people
listed under the group ident RADC

77

iread mail

SSRI-ARC 9-JUL-73 08:58   17698
Content Analyzer Primer
Location: (KJOURNAL, 17698, 1:w)

78

    Comments: Hard copy is available from Marcia Keeney.
    The current NLS version can always be found through
    <userguides>arclocator.

78a

EJK 9-JUL-73 10:06   17712
tickler
Location: (KJOURNAL, 17712, 1:w)

79

EJK 6-JUL-73 11:23   17687
my first journal - the cherry is busted
Message: this is not going the way i expected it to. i did not expect
to submit text at this point. all i have done so far is to give the
ejsm bit. but, no matter perhaps the thing knows what in hell it is
doing.

80

RAL 21-JUN-73 06:39   17387
H6000 Compatibility Study
Location: (JJOURNAL, 17387, 1:w)

81

JPC 12-JUN-73 08:49   17125
ids meeting
Location: (JJOURNAL, 17125, 1:w)

82

Comments: Please read and comment

83

DLS 11-JUN-73 14:25   17112
Review of (michael, forms)
Location: (JJOURNAL, 17112, 1:w)

84

JHB 31-MAY-73 08:56   16927
Notice of Effort Writeup.
Message: The Effort writeup is complete as of 31 May 73 for the AHI
Analysis--Evaluatiion Task. To read the current status jump on this
link: (bair, effeval, status) and print the branch. Thank you.

85

JHB 23-MAY-73 07:45   16778
Experiences with an Augmented Human Intellect System: Computer
Mediated Communication

iread mail

Location: (IJOURNAL, 16778, 1:w)

86

   Comments: This is a much refined and condensed version of the
   paper prepared for the International Communication Association
   Annual Conference, 1973. It has been selected for publication in
   the PROCEEDINGS OF THE SOCIETY FOR INFORMATION DISPLAY, Summer,
   1973. (Approved for open publication USAF/AFSC/RADC.) Comments
   are welcome   Additional detail and elaboration may be found in
   the original paper (bair,chln,1:w).

86a

BAH 22-MAY-73 10:51   16763
RADC JOURNAL CATALOG
Location: (IJOURNAL, 16763, 1:w)

87

DLS 19-MAY-73 13:28   16697
First Impressions of the TNLS Calculator
Location: (IJOURNAL, 16697, 1:w)

88

JHB 17-MAY-73 14:15   16658
Proficiency test for TNLS, response to (ijournal,16346,1:w), DVN
Message: Dr. George Borden has developed the draft of a proficency
test for RADC AHI users of TNLS. The test is designed to be self
administered and appears to cover most aspects of usage. Please take
a look at this short file (radc,prof,1:wm) and send your comments or
concurrance to me. I'm not sure how this fits in with Dirk's ideas
(ijournal, 16346, 1:w) yet but it doesn't appaer to conflict. We
should begin (all of us) taking this as soon as possible.
This test would fit Dirk's "edit some file into a different form"
while noting CPU time. Of course the connect time and the commands
used will be tabulated (would be great if this commands used were
tabulated automatically in TNLS as they are in DNLS). A further
note: I'm note sure what the CPU time to type in online a text
(mjournal,16272,3) tells us....(I'd sure flunk ...)

89

JHB 17-MAY-73 07:12   16650
proficiency test
Location: (IJOURNAL, 16650, 1:w)

90

DLS 12-MAY-73 08:18   16379
IS Reorg..Impact on AKW Program
Location: (IJOURNAL, 16379, 1:w)

91

iread mail

   Comments: These are my personal reactions to the reorganization of
   the division. I would be interested in hearing your comments.   91a

DVN 9-MAY-73 20:22   16344
A Start at Planning NLS Tests
Location: (IJOURNAL, 16344, 1:w)

                                                                                      92

DLS 5-MAY-73 13:00   16297
List of topics for JLM to cover during visit to ARC
Location: (IJOURNAL, 16297, 1:w)

                                                                                      93

   Comments: Add to or subtract from this list as you see fit--RADC
   troops should do this before Tuesday, MAY 8th.   93a

JCN 1-MAY-73 09:48   16259
Note to John McNamara re: Institute for the Future (IFF)
Location: (MJOURNAL, 16259, 1:w)
*****Note: copy of sndmsg I sent today--for reference*****

                                                                                      94

DLS 26-APR-73 15:41   16203
Text Editor Comparisons--Request for Help
Location: (MJOURNAL, 16203, 1:w)

                                                                                      95

   Comments: This took me about 1 hour and 40 minutes from creation
   of the file to submission to the journal, with side trips to the
   candy machine, others directory and the journal ident system.   It
   would have taken me a couple of days minimum to get out the same
   note using the secretary and MTSTs.   How much of a cost savings is
   this????   95a

DLS 16-APR-73 13:05   15958
Procurement Method for NLS Utility
Message: We are ready here at RADC, to start procurement paperwork
for the NLS Utility. We would like to know your plans for
procurement.   Are you going to use RADC procurement? If so, will a
directive come to amend ARPA Order #967? If not, who will be doing
the procurement job for you? And finally, regardless of who does the
procurement, can RADC use your contract as a vehicle for our share of
the Utility--approx $200K or 1/4 of the utility)?

                                                                                      96

   Comments: Send any reply to STONE in SNDMSG subsystem and/or DLS
   in the NLS Journal system. Thanks.   96a

DLS 11-APR-73 09:26   15734

iread mail

Cheap DNLS terminals--Superbee
Location: (MJOURNAL, 15734, 1:w)

97

    Comments: Some general thoughts on a replacement for current DNLS
    terminals and some specifics on a particular terminal-the Super
    Bee.
    Master Copy Printed by WRF
    Access Copy Printed by WRF

97a

iread mail