Brief Line Processor Status Report   1

CHI and DIA have gotten all or nearly all known bugs out of the
Line Processor -- XNLS combination. Hence we have a "working" but
primitive version of a Line Processor terminal.   1a

   I say this one is primitive because I am debugging a version
   with the following: 1a1

      The Line Processor will do keyboard character translation to
      obtain CA, CD, BC, BW, and center-dot. We will label the
      keys. At present, XNLS does the translation which is neet
      until you try one of those keys at the exec.   1a1a

      The Line Processor will send a special "startup" string to
      the display which will make it unecessary for the user to do
      the TTY mode change at startup time.   1a1b

      There is one other change which the user will not notice but
      which is critical. It must be coordinated with a change in
      TENEX. It involves the interrogate response protocol.   1a1c

      I hope we do not release any Line Processors upon the world
      until these changes are made. We will only have to send
      updated PROMS out.   1a1d

   I would like it if people help us debug the thing -- by using
   it to do their normal stuff. And report problems to CHI and
   DIA.   1a2

      We should come out with a short user manual.   1a2a

   The above mentioned version works at 4800 baud. I think this
   is pushing the Data Line Scanner on the TEN a little. The only
   symptoms we have are an occational translated character going
   in to the TEN. This shows up sometimes as wrong text input but
   more often as UNDEFINED INPUT on mouse button strokes. We will
   try to make this problem go away.   1a3

      The Line Processor may also work at 9600 baud, but running
      at that speed has been known to crash TENEX, probably
      because of the Data Line Scanner again. Hence we cannot
      make meaningful tests at this speed.   1a3a

      Network users should have no problem at 4800 baud, unless we
      misunderstand the problem. It may even work at 9600 baud if
      they can get a TIP connection at that speed.   1a3b

Line Processor Status

Currently beging debugged are the features mentioned above
(keyboard translation and startup stuff).   1b

Also currently being debugged is the printer driver.   1c

   This will allow the user to get a hardcopy of anything while
   working on unrelated material on the terminal. She would say
   something like Output Quickprint TPT: ... and then go on
   working.   1c1

   In case it isn't obvious, this requires some tricky changes to
   TENEX which probably won't be implimented for 4-8 weeks.   1c2

Currently being implimented is a local literal collection feature.   1d

   This is a tricky interchange between the Line Processor and NLS
   that would allow nearly all literal typein to be collected and
   echoed by the Line Processor. The literal characters would be
   sent to NLS in bursts which would minimize the CPU time
   required to handle them. The echoing would be instantaneous
   when done by the Line Processor, which is probably going to be
   very important to network users.   1d1

   This should be implimented in the next few weeks but debugging
   may go on and on depending on the availability of Line
   Processors, PROM programmers, ultraviolet lights, and gasolene.   1d2

(J22227) 5-MAR-74 10:39;   Title: Author(s): Don I. Andrews/DIA;
Distribution: /SRI-ARC; Sub-Collections: SRI-ARC; Clerk: DIA;
Origin: <ANDREWS>STATUS-LP.NLS;2, 5-MAR-74 10:37 DIA ;

Martin will need to do some follow up for me on this one.

Several weeks ago I accepted an invitation to give a talk at
Lawrence Radiation Labs, Livermore. George Michaels called and
invited me; tentative date is Wed. April 24.   1

George and I discussed a setup that would considerably enrichen the
talk: they will provide large video monitors in the lecture room, and
I will use a video terminal to demonsrate our system (using video _
output from the terminal toddrive te monitors -- which was very
successful in England last September).   2

I explained that high-baud linkup would greatly enhance the demo --
4800 baud was what we talked about. George was quite willing to
invest in effort to provide this. They have a PDP-11 ANTS setup
there, connected to the ARPANET. The ANTS is located several blocks
from the lecture hall, but they are willing to run special lines if
need be. George said he'd have an appropriate guy call me.   3

Monday I had a call from Bob Sherwood (415) 447-1100, Ext 3406; he
was the man George asked to fix up the communications and ARPANET
interface.   4

    They have Super Beehive terminals, so I could use one of theirs
    if need be. (I'd like to use a Line Processor and have DNLS, so
    maybe I'd have to bring one of our own display terminals?).   4a

    They don't have any high-speed modems. They do have some
    circuitry built into their Beehives that changes the drivers to a
    20-ma current loop, which buys them greater distance. He's not
    sure that it would get 4800 baud at that distance, but would be
    willing to experiment a bit.   4b

    He wonders if we'd have some modems? Also wonders if we'd
    consider phone lines to AMES TIP (or directly to our own
    computer?)? [I didn't think the latter options were suitable./   4c

    I finally said that I'd have Martin Hardy get in touch with him
    and talk over the possibilities.   4d

(J22230) 5-MAR-74 17:29;   Title: Author(s): Douglas C. Engelbart/DCE
; Distribution: /RWW JCN   MEH ; Sub-Collections: SRI-ARC; Clerk: DCE
;

FEEDBACK meeting postponed

Due to illness, the FEEDBACK meeting (see--22119,) has been postponed
exactly one week to 10:00 am Tuesday March 12. If you plan to
attend, please read <analysis, nnls, introduction: g> as a proposed
working document. Note: it is frequently modified.   1

FEEDBACK meeting postponed

(J22231)   5-MAR-74 17:50;   Title: Author(s): Kirk E. Kelley/KIRK;
Distribution: /SRI-ARC; Sub-Collections: SRI-ARC; Clerk: KIRK;

Duane:
Dirk and I (NDM) read your file <STONE>COM and agreed that it is a
work of art! It looks like you've really done a lot of thinking
about it, and we are anxious to talk to you. Here are some quick
remarks: 1

The up-arrow and left-arrow conventions are just what we had in mind.
We are usually able to simply substitute a V directive for them. The
punctuation would also be affected, but that doesn't usually show up
much. (The difference between a period and a slanted period is
slight.)   2

In the sample file I was shown, you worked very hard with V
directives. It would be much simpler if structure were used more
extensively. We can set the font for a given level, and the
indenting business is completely under control (the PxFont and PxI
directives respectively). This could save a great deal of work.   3

Your ideas on a heuristic spelling-checking program are fascinating.
I can help you write an interactive thing that learns new words. If
the words were statements in a plex (the up might be just the first
le@ter as a statement name), its list could grow beyond the limit
imposed by maximum statement size. We may want to do a second sort
by second letter for added speed.   4

COM questions: We can fully justify (right and left) any line, with
any combination of sizes, fonts, styles, etc. Tabs have always been
a tricky issue. They are fixed on the page, at intervals of the
equivalent of the width of eight 10 point monospaced characters. The
chacter size has no effect on their placement, but of course will
affect which tab you hit (since it affects where you are on the line.
It's usually safer to use the TabTo directive than to imbed tabs in
the text. This of course takes a bit of hand formatting, as tables
always do. You may want to have draftsmen/artists draw some of the
more complicated ones and paste up.   5

If you specify GYES in terms of lines, then it is a function of the
size of YBL and of the current character size. You probably want to
specify it in absolute COM measures (e.g. inches) and seperate it
from the whimsical fluctuations of character size. E.g.   will give
you three lines on the printer and one inch on COM.   6

Agreed, we will probably want to change the directive delimeters.
Maybe to up-arrow, unless there is a third character that won't be
used much in the text.   7

JOVIAL documentation: Production Details

We can develop a suitable format by trying a short segment of the
file. However, we have found that the system is so complex that,
even with careful inspections of a COMtest, we end up making a
complete trial run and then doing last minute touch-ups before the
final run. You should probably count on doing two complete runs
instead of one. Even so, the price is more than competitive, right?
Dirk and I will send you our estimates of cost soon.   6

Looking forward to talking with you soon.
                                --Dean   9

JOVIAL documentation: Production Details

(J22232) 5-MAR-74 18:26;   Title: Author(s): N. Dean Meyer/NDM;
Distribution: /DLS DVN JCN; Sub-Collections: SRI-ARC; Clerk: NDM;
Origin: <MEYER>TEMP.NLS;1, 5-MAR-74 18:22 NDM ;

a major change to the file <NLS>SYNTAX

i have changed the rule   text1   in syntax to no longer include the
entity "LINK".   i have fixed everything appropriately in syntax,
but if any other grammers exist that have copies of the common rules
defined in the beginning of syntax, i am unaware of them and could
not fix them accordingly   1

a major change to the file <NLS>SYNTAX

(J22233)   6-MAR-74 07:46;   Title: Author(s): Kenneth E. (Ken)
Victor/KEV; Distribution: /NPG DIRT; Sub-Collections: SRI-ARC NPG DIRT;
Clerk: KEV;

Oops, two versions of same item, 22032 and 22033?

Dick: please clear this up quickly, before messy citation picture builds up.

Oops, two versions of same item, 22032 and 22033?

I just discovered that there are two apparently identical versions
of DicK's MSTP paper, published only minutes apart, in (Hjournal,
22032,) and (Hjournal, 22033,). This can create unneccesary
confusion, e.g. one person thinking that another person is talking
about a different item because they each happen to have been working
with the other Journal number.   1

This may have to be left as is, in respect for necessary general
practices in the Journal system. Otherwise, though, I'd like a
little thought given to patching up the situation -- like, removing
on of them from the system, marking "supercedes 22032" on item 22033,
or ????.   2

A solution would involve Norton (operational control of Journal
practices), North (long experience with requirements in citation
integrity), Watson (author, and perhaps from Dev pt of view), and
Hopper (who can reach in to make changes in data. I'm asking Dick to
see it through and report the solution decision to me.   3

Oops, two versions of same item, 22032 and 22033?

(J22235) 6-MAR-74 12:44;   Title: Author(s): Douglas C. Engelbart/DCE
; Distribution: /rww jcn jbn jdh ; Sub-Collections: SRI-ARC; Clerk:
DCE ;

Address = Link

Because links are no longer an element in an ADDRESS, and because a
link and an ADDRESS are now essentially the same thing, our
prejudices, terminology, help presentation, and command language need
to be updated accordingly.   1

For example, currently the easiest way in DNLS to specify a location
with an ADDRESS is NOT by using the Jump to Address Command, but by
using the Jump to Link command. In other cases where a "FILELINK" is
expected by the system, the user really types an ADDRESS with any
parameters after the filename ignored.   2

In general, delimiters are only needed when addressing an ADDRESS.
When typing an ADDRESS, the system provides the delimiters (it also
works if you type the delimiters). If this is explained, there need
not (and should not) be two terms describing the single address
concept. I suggest eliminating the term Link as the word means
something much different to people in the TENEX world and other terms
(pointer, pathname, address) are used to more accurately describe
similar functions in the outside community.   3

ADDRESS would mean   4

   '(/ '< comment -- site, directory, file-name, infile-address:
   viewspecs '> / ')   4a

HELP SYNTAX VARIABLE: "ADDRESS" would be changed to "DESTINATION".   5

   In TNLS DESTINATION =   ADDRESS   5a

   In DNLS DESTINATION = [ADDRESS] / BUG   5b

The Jump (to) Link command would be changed to Jump (to) Address.   6

The Jump (to) Address (relative to) command could be changed to
Jump (to) <SP>Relative (address)   7

The terms DAE, and AE (Address Expression) are currently ambiguous.
I think they should both be eliminated.   8

Address = Link

(J22236) 6-MAR-74 17:02; Title: Author(s): Kirk E. Kelley/KIRK;
Distribution: /DIRT; Sub-Collections: SRI-ARC DIRT; Clerk: KIRK;

Inexpereienced but Free Help

Katy Caery is a friend of Elizabeth Micheal's. She is a student at
Pally High. She is in a program whereby she earns credit for working
80 hours scmewhere next quarter. She has disposed of 30 of her hours
and wonders if she can be useful here.   1

She has scne training in art. I believe she could usefully redraw and
letter 1) the table of NLS file structure in rough form on
Elizabeth's wall and 2) the revised q-card for new NLS. If she had
any time left over she could learn to DEX and/or order books. She
want's to work Monday and Wednesday mornings and could use Jeanie
Beck's office.   2

I have discused the SRI procedue with Bob Wing. Do you see any
problems?   3

Inexpereienced but Free Help

(J22237) 6-MAR-74 17:24;   Title: Author(s): Dirk H. Van Nouhuys/DVN;
Distribution: /JCN RWW DCE EKM JML JMB PSO; Sub-Collections: SRI-ARC
PSO; Clerk: DVN;

DRAFT Justifcation for Buying A PDP-11 on Overhead

A justification must accompany the chaged PO. Purchase of any
computer on overhead has to pass an amazing array of reviewers
including Andersen. I intend to return the PO + justification to Bob
Wing tomorow. Please make suggestions.

DRAFT Justifcation for Buying A PDP-11 on Overhead

The principal route now in view for NLS to reach more subscribers and other users is via computer networks such as the ARPA NET. Analysis of the problems involved has convinced us that operation of NLS through such networks will be much cheaper and more responsive to users if certain simple operations are gathered into a minicomputer which supports one or a few users at each site and calls through the net on a large computer for more complex or specialized operations. The economics may mean that NLS can compete in the Network environment only if it is distributed in this way. 1

We want to order a PDP-11 in order to try out the distributed system locally, in particular to optimize the distribution of functions between the mini and the larger host. 2

We wish to order the 11 on overhead as expression to the ARPA IPT Division, our principal sponsor, of SRI's continuing, long term interest in NLS, and to avoid future conflicts if the mini is used to support non-ARPA subscribers. 3

DRAFT Justifcation for Buying A PDP-11 on Overhead

(J22238) 7-MAR-74 08:39;   Title: Author(s): Dirk H. Van Nouhuys/DVN;
Distribution: /RWW JCN DCW SLJ(fyi); Sub-Collections: SRI-ARC; Clerk:
DVN;
Origin: <VANNOUHUYS>BLAP.NLS;2, 6-MAR-74 11:45 SLJ ;

Response to Dirk's Free-Help Note in 22237

I appreciate Dirk's note, and the availability of some apparently useful free help. My views of such matters are as follows: 1

a) I really like the idea of enrichening our environment, and getting some help,   2

b) Given the very high pressures on most of ARC these days, the over-all assessment of any such arrangement must really show a plus contribution to our primary goals,   3

c) Short-term, part-time help usually eats up quite a bit of ARC-personnel time (which must appear on the cost side of the contribution sheet). This is ARC time, whose investment must be managed up the line of commitments and responsiblity.   4

d) Taking on such a person is perfectly acceptable to me, if it meets with the ok of the people responsible for priorities and results among those ARC people and activities that will be affected. I'd expect realistic assesment, and I'll allow for mistakes but expect them to be rectified without delay.   5

Response to Dirk's Free-Help Note in 22237

(J22240) 7-MAR-74 09:14;   Title: Author(s): Douglas C. Engelbart/DCE
; Distribution: /JCN RWW   EKM JML JMB PSO ; Sub-Collections:
SRI-ARC PSO; Clerk: DCE   ;

No, Address doesn't equal Link, cf 22236

A link is a piece of text that cites a specific NLS entity. A full
link embodies: 1

    unique delimiting syntax (distinguishing it from its context),   1a

    an address (that can isolate any standard NLS entity),   1b

    a view specification,   1c

    a content-analyzer pattern   1d

    a comment,   1e

    [and, a 'type' specification -- an original specification (circa
1964) yet to be implemented]   1f

An address is one of the components of a link, and I don't want the
same term applied to both.   2

When entering LIT during a Jump to Link command: yes, you can
execute it by entering only an address (not adding other optional
link contents), but this in no sense means that "address" is the same
as "link".   3

No, Address doesn't equal Link, cf 22236

(J22241) 7-MAR-74 09:31;   Title: Author(s): Douglas C. Engelbart/DCE
; Distribution: /sri-arc dirt ; Sub-Collections: SRI-ARC DIRT; Clerk:
DCE ;

Message sent to Jeff Rothenberg (JGR) at ISI about NLS internal file
structure

MSG to JGR re NLS FILE SYSTEM   1

    Jeff, I have asked Harvey Lehtman to send you a copy of a journal
    item which he wrote describing the NLS internal file structure.   1a

    The file system has served us very well. Although we have talked
    about changing it, we have not been driven by dire need or
    terrible inadaquacies. I list below some of the main features we
    have planned for the file system, some of which are rough and some
    of which are nearly completely designed: 1b

        1) LISP-like property lists associated with each node. In
        addition to the TEXT property, we also invision properties
        containing graphical data, numerical data, formatting data,
        eventually voice data, etc.   1b1

        2) BACKLINKS; This implies global file system information.
        This feature allows the system to keep track of at least some
        links (references to another place in an NLS file) such that
        the user, under viewspec control, could see if there were links
        pointing to the statement he is currently reading. Associated
        with each directon of the link would be associated an optional
        comment which could be read by the user even if the file
        containing the link or the link target had been archived.
        Note, that this mechanism also provides a vehicle for allowing
        annotations to the text of a document without having to write
        on the document.   1b2

        3) Inclusion nodes; these are nodes that can be viewed in one
        of two ways: a) as a description (links) of a branch/group/plex
        from another or the same file, or b) as whatever the links
        point to. These automatic links provide a "virtual file"
        system with only moderate cost. Such files can be arbitrarily
        large. They can be networks instead of trees; they can apply
        different structure to the same information, depending on from
        where you start viewing it. Access restrictions (like
        read-only, copy-on-write) can be associated with the path taken
        to get to the information.   1b3

        4) an UNDO facility, which requires that the file system have
        both a DELETE and EXPUNGE facility such that an edit can be
        undone before the associated blocks have been expunged. I can
        send you an old write-up on this if you want. The required
        mechanisms are quite straight forward.   1b4

    I hope this list is helpful and does not give the impression that
    we are holding our breath until these changes happen. We have
    been trying to find the time to do them for many years, but the

Message sent to Jeff Rothenberg (JGR) at ISI about NLS internal file
structure

    fact that we haven't should indicate something of their real value
in the harried real world. Perhaps if we had them, we would not
be able to understand how we ever got along without them, but only
time will tell.   1c

    -- Charles.   1d

Message sent to Jeff Rothenberg (JGR) at ISI about NLS internal file structure

(J22242) 7-MAR-74 09:41;   Title: Author(s): Charles H. Irby/CHI; Sub-Collections: SRI-ARC; Clerk: CHI;

Mixup in 19938, Journal file not as published

Special note asked by JCN RWW PR RLL DVN JBN

Mixup in 19938, Journal file not as published

I had occassion to look at the online version of the CNR proposal,
"ISU 73-175, 28 Nov 73, SRI-ARC 19938," as in (HJOURNAL, 19938,).
The online file is not the one that was published and used to derive
the contract -- the online version is an earlier draft, differing in
basic structure (for instance, entirely different Objectives branch
in -- HJOURNAL, 19938, 3).   1

This is bad control. I want to have the online file replaced by the
one that was published under that number, unless I can be shown that
this is worse practice. In the latter case, I'd like to be told what
the procedure should be to try to alleviate the situation -- users
jumping to advertised Journal numbers must be confident that the
material there is as advertised. We absolutely must not publish
material with Journal numbers that aren't backed up by the correct
file.   2

Asking Jim Norton to respond personally.   3

Mixup in 19938, Journal file not as published

(J22343) 7-MAR-74 10:02;   Title: Author(s): Douglas C. Engelbart/DCE
; Distribution: /sri-arc ; Sub-Collections: SRI-ARC; Clerk: DCE ;

FEB 17-23, A WEEK IN REVIEW

WEEKLY ANALYSIS REPORT: 1

                                                                        2

WEEK: FEB 17 - 23, 1974 (24 HOURS/DAY)   3

                                                                        4

TOTAL SYSTEM CPU: 38.769   5

                                                                        6

(ARC)	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU:1	6a
						6a1
(DOC)						6a2
(JMB)	.586	24.225	.024	1.512	41.340	6a2a
(NDM)	.589	35.710	.016	1.519	60.628	6a2b
AUERBACH	.014	.707	.020	.036	50.500	6a2c
CAT	-	-	-	-	-	6a2d
DCCB	.002	.046	.043	.005	23.000	6a2e
DCCUM	.021	.488	.043	.054	23.238	6a2f
	-----	-----		-----		6a2g
TOTAL	1.212	62.388	.019	3.126		6a2h
						6a2i
(FAC)						6a3
(RAB)	-	-	-	-	-	6a3a
(MEH)	.200	5.270	.038	.516	26.350	6a3b
(JCP)	2.612	65.623	.040	6.737	25.124	6a3c
(JR)	.002	.659	.003	.005	329.500	6a3d
(EKV)	-	-	-	-	-	6a3e
HEDWARE	.848	22.674	.037	2.187	27.027	6a3f

FEB 17-23, A WEEK IN REVIEW

CPRATR	.716	29.906	.024	1.847	41.768	6a3g
	-----	-----		-----		6a3h
TCTAL	4.378	124.132	.035	11.292		6a3i
						6a3j
(NIC)						6a4
(JDC)	.031	1.170	.026	.080	37.742	6a4a
(EJF)	.006	.083	.072	.015	13.833	6a4b
(CEG)	.005	.123	.041	.013	24.600	6a4c
(MDK)	.866	15.240	.057	2.234	17.598	6a4d
(MLK)	.666	21.574	.031	1.718	32.393	6a4e
(JBN)	.241	12.957	.019	.622	53.763	6a4f
NETINFO	-	-	-	-	-	6a4g
NIC-WORK	-	-	-	-	-	6a4h
	-----	-----		-----		6a4i
TCTAL	1.815	51.147	.035	4.682		6a4j
						6a4k
(PRC)						6a5
(DIA)	.477	45.091	.011	1.230	94.530	6a5a
(WRF)	.414	18.041	.023	1.068	43.577	6a5b
(JDH)	.311	23.761	.013	.802	76.402	6a5c
(CHI)	1.376	58.129	.024	3.549	42.245	6a5d
(DSK)	-	-	-	-	-	6a5e
(HGL)	.508	13.416	.038	1.310	26.409	6a5f
(EKM)	.451	27.009	.017	1.163	59.887	6a5g
(KEV)	.678	12.632	.054	1.749	18.631	6a5h

FEB 17-23, A WEEK IN REVIEW

(DCW)	2.727	39.569	.069	7.034	14.510	6a5i
(JEW)	1.041	25.747	.040	2.685	24.733	6a5j
	-----	-----		-----		6a5k
TCTAL	7.983	263.395	.030	20.590		6a5l
						6a5m
(PSC)						6a6
(EAH)	.531	16.308	.033	1.370	30.712	6a6a
(MEJ)	1.266	73.982	.017	3.265	58.438	6a6b
(SLJ)	.019	1.277	.015	.049	67.211	6a6c
(KIR)	2.398	54.950	.044	6.185	22.915	6a6d
(JML)	.089	6.521	.014	.230	73.270	6a6e
	-----	-----		-----		6a6f
TCTAL	4.303	153.038	.028	11.099		6a6g
						6a6h
(STA)						6a7
(JHB)	.411	18.812	.022	1.060	45.771	6a7a
(DCE)	.881	24.390	.036	2.272	27.778	6a7b
(SRL)	.721	13.637	.053	1.860	18.914	6a7c
(JCN)	.467	20.695	.023	1.205	44.315	6a7d
(DVN)	.251	6.691	.038	.647	26.657	6a7e
(PR)	.110	3.480	.032	.284	31.636	6a7f
(KWW)	.452	18.322	.025	1.166	40.535	6a7g
	-----	-----		-----		6a7h
TCTAL	3.293	106.027	.031	8.494		6a7i
						6a7j

FEB 17-23, A WEEK IN REVIEW

(GROUP) TOTALS					6a8
GROUP	CPU HRS	CON HRS	CPU/CON	% SYS	6a8a
					6a8b
(LOC)	1.212	62.388	.019	3.126	6a8c
(FAC)	4.378	124.132	.035	11.292	6a8d
(NIC)	1.815	51.147	.035	4.682	6a8e
(PRO)	7.983	263.395	.030	20.590	6a8f
(FSO)	4.303	153.038	.028	11.099	6a8g
(STA)	3.293	106.027	.031	8.494	6a8h
	-----	-----		-----	6a8i
TOTAL	22.984	760.127	.030	59.283	6a8j
					6a8k

(STATS)   6a9

HIGHEST CPU: DCW 2.727 hrs   LOWEST CPU: JR   .002
hrs   6a9a

HIGHEST CON: MEJ 73.982 hrs   LOWEST CON: EJF .083
hrs   6a9b

HIGHEST CPU/CON: EJF   .072   HIGHEST CON/CPU:1: JR   .002   6a9c

                                                                6a9d

	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU:1	6b
(NET)						6c
						6c1
TOTAL	2.144	124.064	.017	5.530	57.866	6c2
						6c3

TOP FIVE   6c4

--------   6c5

FEB 17-23, A WEEK IN REVIEW

GUEST	.572	40.390	.014	1.475	70.612	6c6
UK-ICS	.468	13.762	.034	1.207	29.406	6c7
HELP	.312	23.584	.013	.805	75.590	6c8
NORSAR-TIP	.089	5.774	.015	.230	64.876	6c9
HARV-10	.061	.883	.069	.157	14.475	6c10
	-----	-----		-----		6c11
TOTAL	1.502	84.393	.018	3.874		6c12
						6c13
(SYS)						6d
SYSTEM	.896	99.478	.009	2.311	111.025	6d1
SYSTEM	.982	97.862	.010	2.533	99.656	6d2
SYSTEM	.001	.008	.125	.003	8.000	6d3
SYSTEM	3.526	97.672	.036	9.095	27.701	6d4
PRINTER	4.843	98.857	.049	12.492	20.412	6d5
PRINTER	.005	.147	.034	.013	29.400	6d6
BACKGROUND	1.935	99.461	.019	4.991	51.401	6d7
BACKGROUND	.118	1.341	.088	.304	11.364	6d8
	-----	-----		-----		6d9
TOTAL	12.306	494.826	.025	31.742		6d10
(WOR)						6e
						6e1
ENERGY	1.201	48.996	.025	3.098	40.796	6e2
GILBERT	-	-	-	-	-	6e3
JIME	-	-	-	-	-	6e4
MARRAH	-	-	-	-	-	6e5

FEB 17-23, A WEEK IN REVIEW

MARTINEZ	.033	3.332	.010	.085	100.970	6e6
	-----	-----		-----		6e7
TOTAL	1.234	52.328	.024	3.183		6e8
						6e9
(XOX)						6f
						6f1
(LPD)DEUTSCH	.058	.911	.064	.150	15.707	6f2
(CMG)GESCHKE	-	-	-	-	-	6f3
(JGM)MITCHELL	-	-	-	-	-	6f4
(EHS)SAT-WTE	.042	1.159	.036	.108	27.595	6f5
(RES)SWEET	-	-	-	-	-	6f6
	-----	-----		-----		6f7
TOTAL	.100	2.070	.048	.258		6f8
						6f9
						7

FEB 17-23, A WEEK IN REVIEW

(J22344) 7-MAR-74 11:17;   Title: Author(s): Beauregard A.
Hardeman/BAH; Distribution: /WAR; Sub-Collections: SRI-ARC WAR; Clerk:
BAH;

FEB 10-16, 1974: A WEEK IN REVIEW

WEEKLY ANALYSIS REPORT: 1

                                                                          2

WEEK: FEB 10 - 16, 1974 (24 HOURS/DAY)   3

                                                                          4

TOTAL SYSTEM CPU: 68.268   5

                                                                          6

(ARC)	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU:1	6a
						6a1
(DOC)						6a2
(JMB)	.123	7.198	.017	.180	58.520	6a2a
(NDM)	.361	12.747	.028	.529	35.310	6a2b
CAT	.559	1.614	.346	.819	2.887	6a2c
AUERBACH	.005	.532	.009	.007	106.400	6a2d
DCCB	0.000	0.000	0.000	0.000	0.000	6a2e
DCCUM	.102	26.621	.004	.149	260.990	6a2f
	-----	-----		-----		6a2g
TCTAL	1.150	48.712	.024	1.684		6a2h
						6a2i
(FAC)						6a3
(RAB)	.012	.126	.095	.018	10.500	6a3a
(MEH)	.332	10.529	.032	.486	31.714	6a3b
(JCP)	1.796	75.991	.024	2.631	42.311	6a3c
(JR)	.005	.647	.008	.007	125.000	6a3d
(EKV)	0.000	0.000	0.000	0.000	0.000	6a3e
HRDWRE	.210	6.147	.034	.308	29.271	6a3f

FEB 10-16, 1974: A WEEK IN REVIEW

HRDWRE	.102	4.458	.023	.149	43.706	6a3g
OPRATR	.789	39.813	.020	1.156	50.460	6a3h
	-----	-----		-----		6a3i
TCTAL	3.246	137.711	.024	4.755		6a3j
						6a3k
(NIC)						6a4
(JDC)	0.000	0.000	0.000	0.000	0.000	6a4a
(EJF)	1.017	28.290	.036	1.490	27.817	6a4b
(CBG)	.003	.062	.048	.004	20.667	6a4c
(MDK)	.411	10.096	.041	.602	24.564	6a4d
(NLK)	.702	20.894	.034	1.028	29.764	6a4e
(JBN)	.364	20.212	.018	.533	55.527	6a4f
NETINFO	0.000	0.000	0.000	0.000	0.000	6a4g
NETPROG	.001	.009	.111	.001	9.000	6a4h
NIC-WORK	0.000	0.000	0.000	0.000	0.000	6a4i
	-----	-----		-----		6a4j
TCTAL	2.498	79.563	.031	3.658		6a4k
						6a4l
(PRC)						6a5
(CIA)	.410	47.597	.009	.601	116.090	6a5a
(WRF)	.457	23.511	.019	.669	51.446	6a5b
(JDH)	.724	26.608	.027	1.061	36.751	6a5c
(CHI)	1.182	28.426	.042	1.731	24.049	6a5d
(DSK)	0.000	0.000	0.000	0.000	0.000	6a5e
(HGL)	.943	7.378	.128	1.381	7.824	6a5f

FEB 10-16, 1974: A WEEK IN REVIEW

(EKM)	.958	43.710	.022	1.403	45.626	6a5g
(KEV)	1.152	20.274	.057	1.687	17.599	6a5h
(DCW)	1.337	44.401	.030	1.958	33.209	6a5i
(JEW)	1.817	29.553	.061	2.662	16.265	6a5j
	-----	-----		-----		6a5k
TCTAL	8.980	271.458	.033	13.153		6a5l
						6a5m
(PSC)						6a6
(EAH)	.336	7.997	.042	.492	23.801	6a6a
(MEJ)	.982	57.045	.017	1.438	58.091	6a6b
(KIR)	1.703	47.678	.036	2.495	27.996	6a6c
(JML)	.057	2.282	.025	.083	40.035	6a6d
	-----	-----		-----		6a6e
TCTAL	3.078	115.002	.027	4.508		6a6f
						6a6g
(STA)						6a7
(JHB)	.547	21.365	.026	.801	39.059	6a7a
(DCE)	.295	12.923	.023	.432	43.807	6a7b
(SRL)	1.154	15.715	.073	1.690	13.618	6a7c
(JCN)	2.835	91.517	.031	4.153	32.281	6a7d
(DVN)	.519	15.720	.033	.760	30.289	6a7e
(PR)	.329	10.461	.031	.482	31.796	6a7f
(RWW)	.039	1.257	.031	.057	32.231	6a7g
	-----	-----		-----		6a7h
TCTAL	5.718	168.958	.034	8.375		6a7i

FEB 10-16, 1974: A WEEK IN REVIEW

6a7j

(GROUP) TOTALS   6a8

GROUP	CPU HRS	CON HRS	CPU/CON	% SYS	
					6a8a
					6a8b
(DOC)	1.150	48.712	.024	1.684	6a8c
(FAC)	3.246	137.711	.024	4.755	6a8d
(NIC)	2.498	79.563	.031	3.658	6a8e
(PRO)	8.980	271.458	.033	13.153	6a8f
(FSO)	3.078	115.002	.027	4.508	6a8g
(STA)	5.718	168.958	.034	8.375	6a8h
	-----	-----		-----	6a8i
TOTAL	24.670	821.404	.030	36.133	6a8j
					6a8k

(STATS)   6a9

HIGHEST CPU: JCN 2.835 hrs   LOWEST CPU: CBG   .003
hrs   6a9a

HIGHEST CON: JCN 91.517 hrs   LOWEST CON: CBG   .062
hrs   6a9b

HIGHEST CPU/CON: HGL   .128   HIGHEST CON/CPU:1: JR 125.000 6a9c

6a9d

	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU:1	6b
(NET)						6c
						6c1
TOTAL	3.004	157.164	.019	4.400	52.318	6c2
						6c3

TOP FIVE   6c4

FEB 10-16, 1974: A WEEK IN REVIEW

--------						6c5
GUEST	.731	42.494	.017	1.071	58.131	6c6
UK-ICS	.465	18.976	.025	.681	40.809	6c7
ARPA	.362	17.572	.021	.530	48.541	6c8
CLEMENTS	.170	4.331	.039	.249	25.476	6c9
NORSAR-TIP	.147	4.862	.030	.215	33.075	6c10
	-----	-----		-----		6c11
TOTAL	1.875	88.235	.021	2.746		6c12
						6c13
(SYS)						6d
BACKGROUND	1.399	109.101	.013	2.049	77.985	6d1
PRINTER	5.637	109.106	.052	8.257	19.355	6d2
SYSTEM	.913	109.122	.008	1.337	119.520	6d3
SYSTEM	27.719	139.031	.199	40.603	5.016	6d4
SYSTEM	4.061	109.114	.037	5.949	26.869	6d5
	-----	-----		-----		6d6
TOTAL	39.729	575.474	.069	58.195		6d7
(WOR)						6e
						6e1
ENERGY	.819	46.303	.018	1.200	56.536	6e2
GILBERT	0.000	0.000	0.000	0.000	0.000	6e3
JIMB	.008	.168	.048	.012	21.000	6e4
MARTINEZ	.013	.755	.017	.019	58.077	6e5
	-----	-----		-----		6e6
TOTAL	.840	47.226	.018	1.231		6e7

FEB 10-16, 1974: A WEEK IN REVIEW

								6e8
(XOX)								6f
								6f1
(LPD)DEUTSCH	.004	.051	.078	.006	12.750			6f2
(CMG)GESCHKE	0.000	0.000	0.000	0.000	0.000			6f3
(JGM)MITCHELL	0.000	0.000	0.000	0.000	0.000			6f4
(EHS)SAT-WTE	.006	.117	.051	.009	19.500			6f5
(RES)SWEET	.003	.056	.054	.004	18.667			6f6
PARC-MAXC	.004	.068	.059	.006	17.000			6f7
PARC-VTS	.002	.080	.025	.003	40.000			6f8
	-----	-----		-----				6f9
TOTAL	.019	.372	.051	.028				6f10
								6f11
(RAD)								6g
								6g1
NAME	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU:1	DIR		6g2
								6g3
(DFB)	0.000	0.000	0.000	0.000	0.000	0.000		6g4
(WPB)	0.000	0.000	0.000	0.000	0.000	0.000		6g5
(RJC)	0.000	0.000	0.000	0.000	0.000	0.000		6g6
(JPC)	0.000	0.000	0.000	0.000	0.000	0.000		6g7
(DLD)	0.000	0.000	0.000	0.000	0.000	0.000		6g8
(ELF)	0.000	0.000	0.000	0.000	0.000	0.000		6g9
(RFI)	0.000	0.000	0.000	0.000	0.000	0.000		6g10
(EJK)	.001	.022	.045	.001	22.000			6g11

FEB 10-16, 1974: A WEEK IN REVIEW

(FSL)	0.000	0.000	0.000	0.000	0.000	0.000	6g12
(TFL)	.004	.087	.046	.006	21.750		6g13
(RAL)	0.000	0.000	0.000	0.000	0.000	0.000	6g14
(JLM)	0.000	0.000	0.000	0.000	0.000	0.000	6g15
(RBP)	0.000	0.000	0.000	0.000	0.000	0.000	6g16
(RAD)	0.000	0.000	0.000	0.000	0.000	0.000	6g17
(WER)	0.000	0.000	0.000	0.000	0.000	0.000	6g18
(FPS)	0.000	0.000	0.000	0.000	0.000	0.000	6g19
(DLS)	0.000	0.000	0.000	0.000	0.000	0.000	6g20
(RHT)	0.000	0.000	0.000	0.000	0.000	0.000	6g21
(FJT)	0.000	· 0.000	0.000	0.000	0.000	0.000	6g22
(MAW)	0.000	0.000	0.000	0.000	0.000	0.000	6g23
	-----	-----		-----		-----	6g24
TOTAL	.005	.109	.046	.007		000	6g25
(PER CENT TOTAL DISK CAPACITY)						00.00%	6g26

6g27

7

FEB 10-16, 1974: A WEEK IN REVIEW

(J22345) 7-MAR-74 11:28;   Title: Author(s): Beauregard A.
Hardeman/BAH; Distribution: /WAR; Sub-Collections: SRI-ARC WAR; Clerk:
BAH;

FEB 3-9, 1974: A WEEK IN REVIEW

WEEKLY ANALYSIS REPORT: 1

                                                                2

WEEK: FEB 3 - 9, 1974 (24 HOURS/DAY)   3

                                                                4

TOTAL SYSTEM CPU: 60.694   5

                                                                6

(ARC)	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU:1	6a
						6a1
(DOC)						6a2
(JMB)	.639	17.387	.037	1.053	27.210	6a2a
(NDM)	.718	22.838	.031	1.183	31.808	6a2b
CAT	2.202	4.540	.485	3.628	2.062	6a2c
DOCB	-	-	-	-	-	6a2d
DOCUM	.249	16.806	.015	.410	67.494	6a2e
	-----	-----		-----		6a2f
TOTAL	3.808	61.571	.062	6.274		6a2g
						6a2h
(FAC)						6a3
(RAB)	.001	.059	.017	.002	59.000	6a3a
(MEH)	.204	6.880	.030	.336	33.725	6a3b
(JCP)	4.316	80.940	.053	7.111	18.753	6a3c
(JR)	.001	.207	.005	.002	207.000	6a3d
(EKV)	-	-	-	-	-	6a3e
HRDWRE	.288	9.839	.029	.474	34.483	6a3f
OPRATR	.951	45.411	.021	1.567	47.751	6a3g

FEB 3-9, 1974: A WEEK IN REVIEW

	-----	-----		-----		6a3h
TOTAL	5.761	143.336	.040	9.492		6a3i
						6a3j
(NIC)						6a4
(JDC)	.091	3.463	.026	.150	38.055	6a4a
(EJF)	.933	15.002	.062	1.537	16.079	6a4b
(CBG)	.009	.151	.060	.015	16.778	6a4c
(MDK)	.612	12.917	.047	1.008	21.106	6a4d
(MLK)	.789	20.658	.038	1.300	26.183	6a4e
(JBN)	.355	20.870	.017	.585	58.789	6a4f
NET INFO	-	-	-	-	-	6a4g
NIC-WORK	-	-	-	-	-	6a4h
	-----	-----		-----		6a4i
TOTAL	2.789	73.061	.038	4.595		6a4j
						6a4k
(PRO)						6a5
(DIA)	.881	26.114	.034	1.452	29.641	6a5a
(WRF)	1.461	37.473	.039	2.407	25.649	6a5b
(JDH)	1.423	42.996	.033	2.345	30.215	6a5c
(CHI)	.644	24.493	.026	1.061	38.033	6a5d
(DSK)	.660	20.800	.032	1.087	31.515	6a5e
(HGL)	1.072	16.908	.063	1.766	15.772	6a5f
**(EKM)	.291	13.308	.022	.479	45.732	6a5g
(KEV)	.613	17.444	.035	1.010	28.457	6a5h
(DCW)	2.010	47.566	.042	3.312	23.665	6a5i

FEB 3-9, 1974: A WEEK IN REVIEW

	CPU HRS	CON HRS	CPU/CON	% SYS		ID
(JEW)	.437	8.360	.052	.720	19.130	6a5j
	-----	-----		-----		6a5k
TOTAL	9.492	255.462	.037	15.639		6a5l
						6a5m
(PSO)						6a6
(EAH)	.814	17.061	.048	1.341	20.959	6a6a
(MEJ)	.810	45.149	.018	1.335	55.740	6a6b
(KIR)	1.171	37.389	.031	1.929	31.929	6a6c
(JML)	.086	6.611	.013	.142	76.872	6a6d
	-----	-----		-----		6a6e
TOTAL	2.881	106.210	.027	4.747		6a6f
						6a6g
(STA)						6a7
(JHB)	.568	33.399	.017	.936	58.801	6a7a
(DCE)	.539	12.758	.042	.888	23.670	6a7b
(SRL)	.767	24.830	.031	1.264	32.373	6a7c
(JCN)	2.539	52.087	.049	4.183	20.515	6a7d
(DVN)	.351	8.817	.040	.578	25.120	6a7e
(PR)	.188	5.797	.032	.310	30.835	6a7f
(RWW)	.402	18.788	.021	.662	46.736	6a7g
	-----	-----		-----		6a7h
TOTAL	5.354	156.476	.034	8.821		6a7i
						6a7j

(GROUP) TOTALS   6a8

GROUP   CPU HRS   CON HRS   CPU/CON   % SYS   6a8a

FEB 3-9, 1974: A WEEK IN REVIEW

6a8b

(DOC)	3.808	61.571	.062	6.274	6a8c
(FAC)	5.761	143.336	.040	9.492	6a8d
(NIC)	2.789	73.061	.038	4.595	6a8e
(PRO)	9.492	255.462	.037	15.639	6a8f
(PSO)	2.881	106.210	.027	4.747	6a8g
(STA)	5.354	156.476	.034	8.821	6a8h
	-----	-----		-----	6a8i
TOTAL	30.085	796.116	.038	49.568	6a8j

6a8k

(STATS)   6a9

   HIGHEST CPU: JCP 4.316 hrs   LOWEST CPU: JR RAB   .001
hrs   6a9a

   HIGHEST CON: JCP 80.940 hrs   LOWEST CON: RAB   .059
hrs   6a9b

   HIGHEST CPU/CON: HGL   .063   HIGHEST CON/CPU:1: JR 207.000 6a9c

6a9d

	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU:1	6b
(NET)						6c
						6c1
TOTAL	5.683	294.010	.019	9.363	51.735	6c2
						6c3
TOP FIVE						6c4
--------						6c5
MITRE-TIP	1.101	64.994	.017	1.814	59.032	6c6
GUEST	.666	24.118	.028	1.097	36.213	6c7

FEB 3-9, 1974: A WEEK IN REVIEW

NSA	.654	39.764	.016	1.078	60.801	6c8
SDAC-TIP	.404	11.696	.035	.666	28.950	6c9
UCLA-NMC	.376	20.623	.018	.620	54.848	6c10
	-----	-----		-----		6c11
TOTAL	3.201	161.195	.020	5.275		6c12
						6c13
(SYS)						6d
SYSTEM	.999	114.361	.009	1.646	114.475	6d1
SYSTEM	3.741	105.119	.036	6.164	28.099	6d2
SYSTEM	5.550	114.362	.049	9.144	20.606	6d3
PRINTER	10.976	114.430	.096	18.084	10.425	6d4
BACKGROUND	2.478	102.616	.024	4.083	41.411	6d5
BACKGROUND	.154	11.810	.013	.254	76.688	6d6
	-----	-----		-----		6d7
TOTAL	23.898	562.698	.042	39.375		6d8
(WOR)						6e
						6e1
ENERGY	.882	45.058	.020	1.453	51.086	6e2
GILBERT	-	-	-	-	-	6e3
JIMB	.054	3.417	.016	.089	63.278	6e4
MARRAH	.002	.074	.027	.003	37.000	6e5
MARTINEZ	.010	.731	.014	.016	73.100	6e6
	-----	-----		-----		6e7
TOTAL	.948	49.280	.019	1.561		6e8
						6e9

FEB 3-9, 1974: A WEEK IN REVIEW

(XOX)						6f
						6f1
(LPD)DEUTSCH	.009	.302	.030	.015	33.556	6f2
(CMG)GESCHKE	-	-	-	-	-	6f3
(JGM)MITCHELL	-	-	-	-	-	6f4
(EHS)SAT-WTE	.003	.080	.037	.005	26.667	6f5
(RES)SWEET	.006	.347	.017	.010	57.833	6f6
PARC-MAXC	.005	.179	.028	.008	35.800	6f7
PARC-VTS	.011	.616	.018	.018	56.000	6f8
	-----	-----		-----		6f9
TOTAL	.034	1.524	.022	.056		6f10
						6f11
(RAD)						6g
						6g1
NAME	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU:1	6g2
						6g3
(DFB)	-	-	-	-	-	6g4
(WPB)	-	-	-	-	-	6g5
(RJC)	-	-	-	-	-	6g6
(JPC)	.008	.126	.063	.013	15.750	6g7
(DLD)	.003	.371	.008	.005	123.667	6g8
(ELF)	-	-	-	-	-	6g9
(RFI)	-	-	-	-	-	6g10
(EJK)	.002	.422	.005	.003	211.000	6g11
(FSL)	.003	.183	.016	.005	61.000	6g12

FEB 3-9, 1974: A WEEK IN REVIEW

(TFL)	–	–	–	–	–	6g13
(RAL)	.003	.366	.008	.005	122.000	6g14
(JLM)	.017	.619	.027	.028	36.412	6g15
(RBP)	–	–	–	–	–	6g16
(RAD)	.002	.027	.074	.003	13.500	6g17
(WER)	.001	.034	.029	.002	34.000	6g18
(FPS)	–	–	–	–	–	6g19
(DLS)	.005	.698	.007	.008	139.600	6g20
(RHT)	–	–	–	–	–	6g21
(FJT)	–	–	–	–	–	6g22
(MAW)	–	–	–	–	–	6g23
	-----	-----		-----		6g24
TOTAL	.044	2.846	.015	.072		6g25
						6g26

7

FEB 3-9, 1974: A WEEK IN REVIEW

(J22346) 7-MAR-74 11:33;   Title: Author(s): Beauregard A.
Hardeman/BAH; Distribution: /WAR; Sub-Collections: SRI-ARC WAR; Clerk:
BAH;

Superwatch Average Graphs for Week of 2/24/74

I believe this is the first week the average load has been under 5
for the entire week.   The number of users etc. should be fairly
indicative of a good balance of factors for system responsiveness.

Superwatch Average Graphs for Week of 2/24/74

TIME PLOT OF AVERAGE IDLE TIME FOR WEEK OF 2/24/74
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   ****************************************************************
       +!!!!!!!!!!+!!!!!!!!!!+!!!!!!!!!!+!!!!!!!!!!+!!!!!!!!!
       0:00      5:00      10:00      15:00      20:00
```
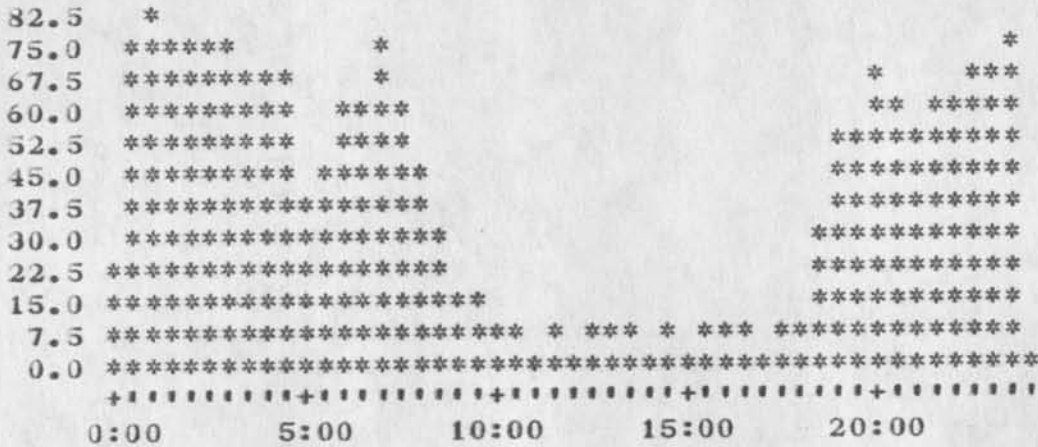
1a

TIME PLOT OF AVERAGE NUMBER OF GO JOBS FOR WEEK OF 2/24/74
x axis labeled in units of hr:min, xunit = 30 minutes

2

```
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
```
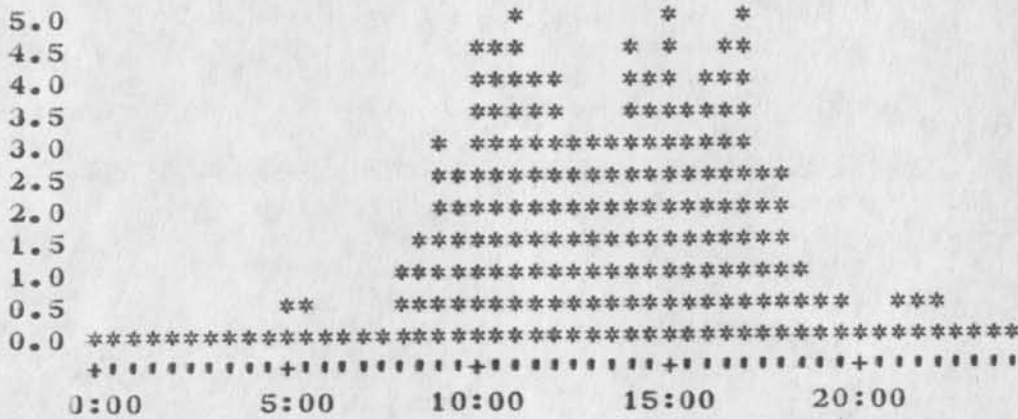
2a

Superwatch Average Graphs for Week of 2/24/74

TIME PLOT OF AVERAGE PER CENT OF SYSTEM USED IN DNLS FOR WEEK OF
2/24/74
x axis labeled in units of hr:min, xunit = 30 minutes   3
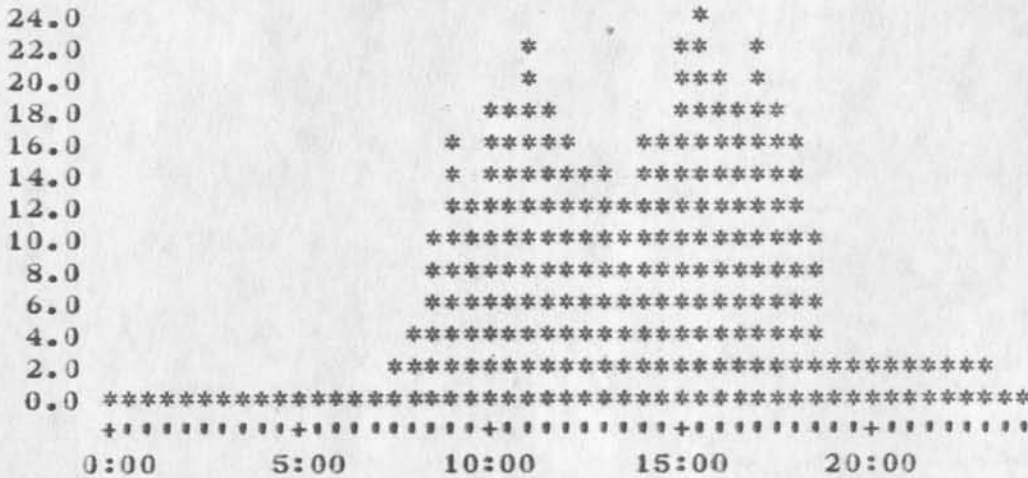
```
    24.0                                    *
    22.0                          *        ** *
    20.0                          *        *** *
    18.0                        ****      ******
    16.0              *  *****    *********
    14.0              *  *******  *********
    12.0                 **********************
    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 PER CENT OF CPU TIME CHARGED TO USER ACCOUNTS
FOR WEEK OF 2/24/74
x axis labeled in units of hr:min, xunit = 30 minutes   4
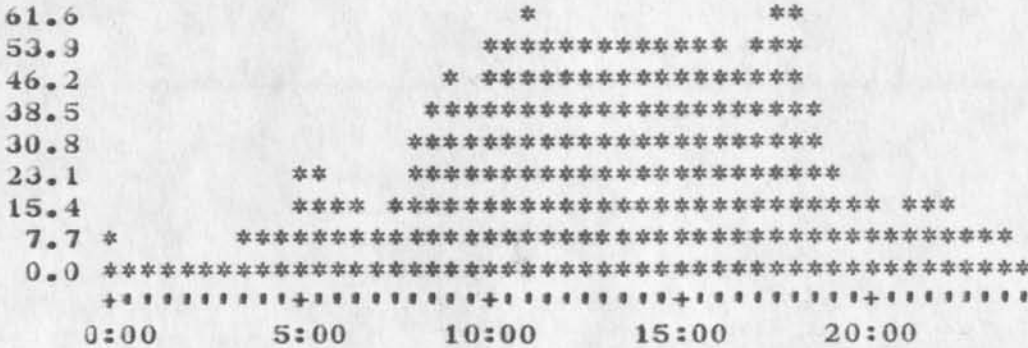
```
    61.6                          *              **
    53.9                       ************** ***
    46.2                     *  *****************
    38.5                     ***********************
    30.8                     ************************
    23.1         **          **************************
    15.4        ****  *****************************  ***
     7.7 *            ********************************************
     0.0  *********************************************************
          +•••••••••+•••••••••+•••••••••+•••••••••+•••••••••
          0:00      5:00      10:00     15:00     20:00                  4a
```

Superwatch Average Graphs for Week of 2/24/74

TIME PLOT OF AVERAGE NUMBER OF USERS FOR WEEK OF 2/24/74
x axis labeled in units of hr:min,   xunit = 30 minutes   5
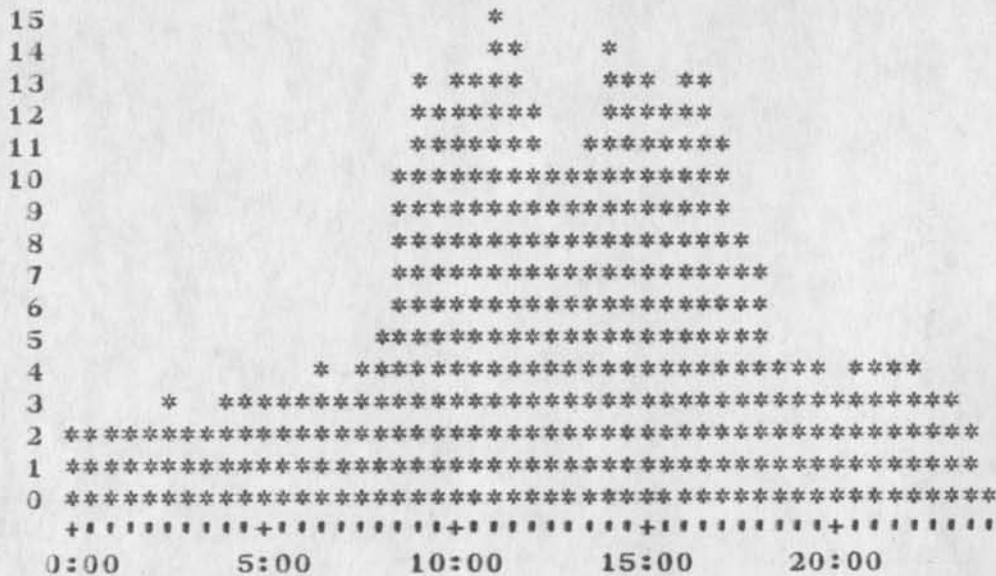
```
    15                                   *
    14                                 **        *
    13                           *  ****      *** **
    12                           *******      ******
    11                           *******      ********
    10                           ******************
     9                           ******************
     8                           *******************
     7                           ***********************
     6                           *********************
     5                           ********************
     4                      *  ***************************  ****
     3              *    *******************************************
     2     ********************************************************
     1     *******************************************************
     0     **********************************************************
          +11111111111+11111111111+11111111111+11111111111+11111111
          0:00        5:00       10:00       15:00       20:00               5a
```

TIME PLOT OF AVERAGE NUMBER OF NETWORK USERS FOR WEEK OF 2/24/74
x axis labeled in units of hr:min,   xunit = 30 minutes   6

```
     2                            *
     1  *       *     ***  *****************  ***
     0  *******************************************************
       +11111111111+11111111111+11111111111+11111111111+11111111
       0:00        5:00       10:00       15:00       20:00                  6a
```
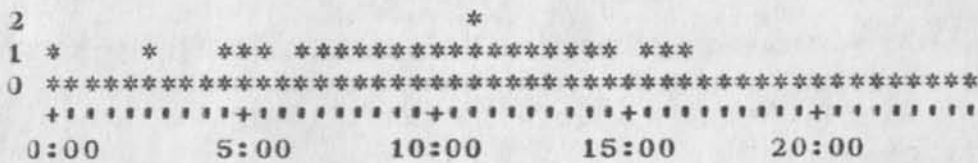
Superwatch Average Graphs for Week of 2/24/74

(J22347) 7-MAR-74 13:53;   Title: Author(s): Susan R. Lee/SRL;
Distribution: /JCN RWW DCE PR JCP DVN JAKE DLS BAH; Sub-Collections:
SRI-ARC; Clerk: SRL;
Origin: <LEE>WEEK2/24GRAPHS.NLS;2, 7-MAR-74 13:41 SRL ;

Requested Dir-User Groups for Office-1

Request for additions to Dir-User Groups   1

                                                                       1a

** Reminder **   1b

You must UNDELETE <*>MESSAGE.TXT;1 after doing all this to
prevent lossing people's messages.   1b1

                                                                       1c

Dir group 2   1d

   All Bell dirs   1d1

User group 2   1e

   All Bell dirs   1e1

                                                                       1f

Dir group 3   1g

   As is, except remove Lukasik and Tach   1g1

User group 3   1h

   As is, but add Norton   1h1

                                                                       1i

Dir group 4   1j

   Energy   1j1

User group 4   1k

   all Energy group   1k1

                                                                       1l

Dir group 5   1m

   All RADC users, except Feedback   1m1

User group 5   1n

   All RADC users, except feedback   1n1

Requested Dir-User Groups for Office-1

1o

Dir group 6   1p

    All NIC users   1p1

User group 6   1q

    Kudlick   1q1

1r

Dir group 7   1s

    Help, Sigart, Nicwork, Nic   1s1

User group 7   1t

    Kudlick, Feinler, Kelley   1t1

1u

Dir group 8   1v

    Documentation, Userguides, Userprogs   1v1

User group 8   1w

    Vannouhuys, Beck, Kelly, Meyer   1w1

1x

1y

Description of Dir-User Groups as of March 7, 1974   2

    TENEX USER AND DIRECTORY GROUPS   2a

        THURSDAY, 7 MARCH 74   2a1

    THE FOLLOWING GROUPS ARE IN USE: 2b

2c

        0   2c1

2d

        3   2d1

WRF 7-MAR-74 13:56   22348

Requested Dir-User Groups for Office-1

2e

THE FOLLOWING DIRECTORIES ARE IN GROUP   1   2f

   All dirs on system   2f1

2g

THE FOLLOWING USERS HAVE ACCESS TO GROUP   0   2h

   BACKGROUND, FERGUSON, HOPPER, JIMB, MARTINEZ, PETERS, PRINTER,
SYSTEM   2h1

2i

THE FOLLOWING DIRECTORIES ARE IN GROUP   1   2j

   SUBSYS   2j1

2k

THERE ARE NO USERS OF GROUP   1   2l

2m

THERE ARE NO DIRECTORIES IN GROUP   2   2n

2o

THERE ARE NO USERS OF GROUP   2   2p

2q

THE FOLLOWING DIRECTORIES ARE IN GROUP   3   2r

   BROWN, CAPPS, ENERGY, JORDAN, KERNS, KRUZIC, LUKASIK, MILLER,
NEITZEL, RODDEN, RODRIGUES, SCHMIDT, TACH, WALTERS, WHITBY   2r1

2s

THE FOLLOWING USERS HAVE ACCESS TO GROUP   3   2t

   JORDAN, MEYER, MILLER, VANNOUHUYS, WALTERS   2t1

2u

2v

2w

Requested Dir-User Groups for Office-1

THE FOLLOWING USERS ARE WHEELS: 2x

    BACKGROUND, FERGUSON, HOPPER, JIMB, MARRAH, MARTINEZ, OPER,
PETERS, PRINTER, SYSTEM, WALLACE   2x1

                                                                       2y

THE FOLLOWING USERS ARE OPERATORS: 2z

    BAIR, FERGUSON, JIMB, MARRAH, MARTINEZ, OPER, PETERS, SYSTEM   2z1

Requested Dir-User Groups for Office-1

(J22348) 7-MAR-74 13:56;   Title: Author(s): Ferg R. Ferguson/WRF;
Distribution: /WRF JCN MDK JIMB JHB; Sub-Collections: SRI-ARC; Clerk:
WRF;
Origin: (FERGUSON, GROUPS.NLS;7,), 7-MAR-74 13:52 WRF ;

Letter Asking For Help with Formal Approval of a Paper

Duane, could we ask you the great favor of quickprinting out 7 copies
of (vanNouhuys,sidpaper,) along with a copy of the letter below for
Marge Foster and for P. Nicotera and giving it to them tomorrow? It
will save us some readtape time
Thanks.   1

                              8 MAR 74

                                                                           2

Department of the Air Force
Headquarters Rome Air Development Center (AFSC)
Griffiss Air Force Base, New York 13441

                                                                          2a

                    Attention: Marge Foster
                                Public Information Office
                       Reference: Contract F30602-72-C0313
                                 (SRI Project ISU-1868
Dear Ms. Foster,   2b

        Enclosed for you review and approval to published in the
Digest Society for Information Display International Symposium,
May 1974, titled KNOWLEDGE WORKSHOP TERMINAL SYSTEMS by Richard W.
Watson. In order to meet publication deadlines for thispaper, we
request this be given youprompt attention.
.Gsp=35Very truely yours,,

                              Spencer Floyd
                              Contract Administrator   2c

SF:DvN
encls: 7 copies   2d

cc: P. Nicotera
    Contracting Officer   2e

Letter Asking For Help with Formal Approval of a Paper

(J22349) 7-MAR-74 16:05;   Title: Author(s): Dirk H. Van Nouhuys/DVN;
Distribution: /DLS RWW(fyi); Sub-Collections: DPCS SRI-ARC RADC; Clerk:
DVN;
Origin: (VANNOUHUYS, REDTAPE.NLS;2,), 7-MAR-74 15:36 DVN ;

Visitlog for ISI-USC & Bell-Canada, and DNLS Course Outline Used

Submitted to all ARC to keep you in the light about who we are
collaborating with, and who you see wandering around...

Visitlog for ISI-USC & Bell-Canada, and DNLS Course Outline Used

Visitlog for 1 MAR 74, ISI-USC & Bell-Canada   1

    ISI-USC: Don Oestreicher and Jeff Rothenberg   1a

        Don and Jeff, system programmers, were given a survey
        introduction to DNLS, a description of the philosophy and
        practice of User Development (including training), and some of
        the important aspects of ARC philosophy, particularly as it
        pertains to the Utility experimental service, by Jim Bair.
        Charles Irby described the New NLS including help features and
        the design goals, philosphy, and rationale/improvements; and
        demonstrated some of the programming considerations/features,
        while answering many of the questions brought up during the day
        long session. Dick Watson also participated in the
        discussions, providing kick-off remarks, and joining with Irby
        to take these important collaborators to lunch.   1a1

        They were most interested in the User Development/technology
        transfer aspects of the system. Their views were very much in
        concert (yea...whew) with those of User Development, alias JHB
        . They were adamantly in favor of offering limited subsets of
        NLS to users, dependent upon need and skill level, and user
        modifiable. They emphasized the need for graduated courses
        such as the ones for NLS they were shown (bair,course,). The
        tradeoff between power/capability was an important issue and
        their view appears to be that NLS was too complex for practical
        application unless the front end was graduated.   1a2

        AGENDA   1a3

            ISI INTRO Outline, Bell Canada Rep. as guest   1a3a

                Morning: Philosophy   1a3a1

                    Goals: To provide computer based tools to accomplish
                    all aspects of knowledge work   1a3a1a

                    Collaboration   1a3a1b

                    Instruction   1a3a1c

                    DNLS: Conceptually thorough coverage   1a3a1d

                Lunch   1a3a2

                Afternoon   1a3a3

                    continue DNLS: Conceptually thorough coverage   1a3a3a

Visitlog for ISI-USC & Bell-Canada, and DNLS Course Outline Used

(TNLS) mention	1a3a3b
Line Processor	1a3a3c
New NLS and help system	1a3a3d
Documentation	1a4
TNLS Course, sessions 1 and all (see -- Bair,course,)	1a4a
Augmented Knowledge Workshop, DCE, JCN, RWW	1a4b
DNLS Course Outlines (see -- course)	1a4c
Bell-Canada: Phil Feldman, Business Planning Group (Montreal)	1b

Representing one of our most interesting clients at Office-1,
Phil is a young manager using and evaluating NLS in his
environment. He discussed his experiences to date with NLS
(quite positive) with JHB and then joined the meeting with ISI.
He was able to learn quite a bit about DNLS, and had some
important inputs to the discussion. He reponded to ISI's
impressions about the excessive complexity of NLS with evidence
to the contrary, indicating that its use to date at Bell was
satisfactorily progressing, even for those with little or no
familarity with computers.   1b1

Documentation   1b2

    DNLS Course Conceptual Outline (bair,dnlscourse,)   1b2a

    TNLNS Quick Reference Guide   1b2b

(course) DISPLAY NLS -- ISI COURSE OUTLINE used on 1 MAR 74   1c

Conceptual Outline by Session:
 Each session shows those additional concepts to be covered;
the session number follows concepts for sessions 2 through 5.
This is: 1c1

    (Filters to filter out concepts from more advanced sessions: 1c1a

        SESSION 1 NOT ["-2"] AND NOT ["-3"] AND NOT ["-4"] AND
        NOT ["-5"] ;   1c1a1

        SESSION 2 NOT ["-3"] AND NOT ["-1"] AND NOT ["-4"] AND
        NOT ["-5"] ;   1c1a2

        SESSION 3 NOT ["-4"] AND NOT ["-5"] AND NOT ["-1"] ;   1c1a3

Visitlog for ISI-USC & Bell-Canada, and DNLS Course Outline Used

Visitlog for ISI-USC & Bell-Canada, and DNLS Course Outline Used

Insert (new elements only are listed)	1c8a1
Character	1c8a1a
Word	1c8a1b
Statement	1c8a1c
Text -2	1c8a1d
Visible -3	1c8a1e
Link -3	1c8a1f
Number -3	1c8a1g
Invisible -3	1c8a1h
Date -4	1c8a1i
Delete (new elements only are listed)	1c8a2
Branch	1c8a2a
Plex -3	1c8a2b
Group -2	1c8a2c
Copy	1c8a3
Move	1c8a4
Replace	1c8a5
Transpose	1c8a6
Substitute -2	1c8a7
Break and Append -2	1c8a8
Statements only	1c8a8a
Set case -- Xset	1c8a9
Set Modes	1c8a9a
Freeze -3	1c8a10
Freeze Statement -3	1c8a10a

Visitlog for ISI-USC & Bell-Canada, and DNLS Course Outline Used

Visitlog for ISI-USC & Bell-Canada, and DNLS Course Outline Used

(3) execute status, verify   1c13b1a1

Remedies   1c13c

(1) ↑c, reset, NLS   1c13c1

(2) dsk pp and over allocation...rename   1c13c1a

(3) output file, unlock   1c13c1a1

Visitlog for ISI-USC & Bell-Canada, and DNLS Course Outline Used

(J22350) 7-MAR-74 17:13;   Title: Author(s): James H. Bair/JHB;
Distribution: /SRI-ARC(fyi) DCE JCN RWW CHI; Sub-Collections: SRI-ARC
SRI-ARC; Clerk: JHB;
Origin: <BAIR>VISITLOG.NLS;8, 4-MAR-74 22:23 JHB ;

NLS doesn't treat my NAME-string as a Name

Dear Bughunters: Two statements, (engelbart, work, 083:el) and 084
for some reason don't get treated right.   Their hash codes apparently
aren't set (Jump Name doesn't find them), and also, VSPEC D doesn't
recognize them.   I've tried editing the statement, to get NLS's
attention as it were, and every other trick I can think of.   Got
any good words??   1

NLS doesn't treat my NAME-string as a Name

(J22351)   7-MAR-74 17:36;   Title: Author(s): Douglas C. Engelbart/DCE
; Distribution: /bugs ; Sub-Collections: SRI-ARC BUGS; Clerk: DCE ;

At least one Journal item is not indexed

Bad symptom: JCN given the track-down responsibility

At least one Journal item is not indexed

I have had trouble several times looking for items published by Steve
Wilbur, in England. This time I pesevered: I knew I'd seen at least
one for sure, his "POST" description (his mail distribution, TECO
system, for multiple users of one directory). I found it by digging
in my own overflowing file folders, found a copy, Jou no. 21165. A
hard copy of it proved to be contained in my numerically ordered
master collection of ARC Journal items. BUT, I don't find that number
covered in either ARC or NIC Journal indices, nor do I find it in
titleword or author indices. AND, no other Wilbur entries either.
Big mystery, and a dangerous symptom.   1

 Norton: This warrants a serious look, to see if this is but one
instance of a bug (software, or procedural) in the Journal operation,
or if there may be many such that are lost to our catalog/index
retrieval system. Journal Operations job to have it tracked down; I
want to hear the findings and the remedial plan.   2

At least one Journal item is not indexed

(J22352) 7-MAR-74 17:55;   Title: Author(s): Douglas C. Engelbart/DCE
; Distribution: /bugs   jdh   jcn   rww ; Sub-Collections: SRI-ARC BUGS;
Clerk: DCE ;

User Definition Report — Feedback

Nancy and Using Members: 1

Below are some comments I have regarding the User Definition Final
Report mentioned in Nancy's memo to you on Friday, 3-1-74. They
are offered by way of dialog in the hopes they may add another
point of view or some additional clarification before the final
report is issued.   1a

Comments have been made according to sections of the current
report for convenience, and a copy of my previous DRAFT is
available for reference (USING, UDEF3, 1:w).   1b

WHO ARE CURRENT USERS OF THE ARPANET   2

- In this section I feel that the point of the table on Hosts and
Individuals has been obscured. The table was originally included
to point out that universities and commercial establishments
provide most of the resources available on the network, and that
government sites are predominantly users of the network. Mention
of the geographical distribution, which has not been included, is
useful to show that there are very few sites in the Midwest, South
or Northwest. This might be of interest from several points of
view such as communications, logistics, funding, etc.   2a

- The wording "unfortunately, they refer mostly to host
computers..." is not clear to me. Perhaps we could clarify this
somewhat.   2b

- It would be useful to note here that TIP and ANTS users are
probably the closest thing to 'true' network users at the moment
because they are more fully dependent on other sites to fill their
needs.   2c

USER PROFILE BASED ON PROFESSIONAL INTEREST   3

I think you did a very nice job of categorizing these and I only
have minor comments. Office and Managerial Work perhaps needs
some further shuffling — from Military planners to clerks is a
wide spread. I am also curious as to why you omitted Professors
and Students from the list — seems like they represent a large
part of the user population.   3a

WHAT ARE CURRENT USER PROBLEMS (USING, UDEF3, 3:w)   4

I agree that this section which appeared in my draft would better
be covered in another report. I included the list of problems
originally, because so many people I talked to brought these
points up.   4a

User Definition Report - Feedback

HOW MANY USERS CAN THE NETWORK SUPPORT (USING, UDEF3, 4:w)   5

    I do not agree that this section should be omitted. At least I
feel that the point should be made that the number of user slots
on ANY network is finite and therefore necessitates some type of
user allocation scheme, be it highly structured or first-come
first-served, and choice of such a scheme can greatly bias who the
users will be.   5a

FUTURE USERS (USING, UDEF3, 5:w)   6

    Again I do not agree that all discussion of who future users will
be should be omitted. In fact when I checked back over my notes,
I found that this was an area that Craig had specifically asked us
to address. The point I feel it is important to make here is that
the profile of future users is highly dependent upon ARPA policy
decisions. ARPA's choice of focus for the network will have a
strong bearing on the overall network user profile. I did contact
about 20 different people representing a broad range of users and
interests. Their consensus seemed to be that a diversified
network would be the most useful to them as USERS.   6a

RECOMMENDATIONS   7

    - The recommendations in the current report seem a little vague
to me, and I would like to see them further defined. We might
also put them at the front of the report for quick perusal.   7a

    - We all agree that a user analysis scheme is needed and this is
probably the most important recommendation we can make. I also
agree that the Consumer's Union would be an ideal group to make
some really good recommendations for a user analysis scheme, but I
question whether the Performance Measurement Lab should be the
place for User Analysis to be handled. My feeling is that the PML
will be primarily concerned with performance and reliaility, and
not with who uses what and for what application. Although these
two analysis functions (performance and user analysis) may have
many overlaps, I do not think they have the same goals and would
personally like to see them handled separately.   7b

    - I guess I do not think that studying reports by principal
investigators is going to be very rewarding with regard to useful
information about the user population. Their heads are generally
elsewhere.   7c

    - I did ask several sites if they currently have methods to
analyze their user populations and could not find much useful
information. (However, in accordance with your request I did not
do this formally.) Relative amount of network access is available

User Definition Report - Feedback

but in my opinion not significant, since we have no idea whether a
user finds any thing usable to use during this access.   7d

- I agree with you that USER sites - particularly TIP and ANTS -
could supply valuable information about the network users since
they are wholly dependent upon the network and are less parochial
than users at large SERVER hosts. Perhaps they should be a target
for further work on user definition.   7e

- You were right, Nancy, in pointing out that some of my
recommendations (USING, UDEF3, 7:w) should be made in other
reports. However, some of them I feel are relevant and I would
like to see them included, or at least discussed for this report -
particularly the ones mentioned below: 7f

    1. Set up an analysis system to find out who uses what and how
       often. Much of this can and should be done automatically
    and
       should be a co-operative network undertaking.   7f1

    2. Define a use policy or goal for the Arpanet. (Military,
       government utility, commercial, or other.) Without such a
    use
       definition the network will face conflicts of user interests
       and lack focus.   7f2

    6. Concentrate on interface with existing subnets such as
       educational, international, information retrieval, etc.
    This
       would make many already existing and maintained resources
       available to Arpanet users.   7f3

    8. Support user-oriented research (such as user analysis) on
    the
       Arpanet as well as hardware and system design.   7f4

    9. Consider diversifying server sites. More government,
       military, and commericial as well as university server
       sites would provide cross fertilization of services and
       resources. Each would supply a different type of service
    and
       resource from the other with varying degrees of reliabiltiy
       and user committment.   7f5

These comments are only one point of view (incidently my own - not
the NIC's) and I hope they will be considered along with other
comments for inclusion in the User Definition report. Apart from
these comments I think Nancy did a good job of pulling this report
together in record time.   8

User Definition Report - Feedback

(J22353) 7-MAR-74 18:06;   Title: Author(s): Elizabeth J. (Jake)
Feinler/JAKE; Distribution: /USING(read or toss); Sub-Collections:
SRI-ARC USING; Clerk: JAKE;
Origin: <FEINLER>UDEF-FEEDBACK.NLS;7, 7-MAR-74 17:52 JAKE ;

Peter Kirstein's interests: AKW service, facsimile, a UK NIC

Special interest for JCN (service), RWW (facsimile/MSTP), and MDK
JBN JAKE MEH (UK NIC, British Library)

Peter Kirstein's interests: AKW service, facsimile, a UK NIC

Peter Kierstein just called me, from the East Coast.   Several items
discussed: 1

COMPUTER SERVICES AND RESOURCES: 2

   He was quite interested in the state of service utilization at
   OFFICE-1 and ARC.   I finally got some unerstanding of their
   resource-funding siuation: 2a

   The British Post office (their government telephone, and other
   communication, company) had to ok the experiment of using the
   ARPANET.   The stipulation isthat the experiment can involve no
   "commecial" usage, by which the explicit interpreation forbids
   exchange of resources across the Atlantic for cmputer resources
   (UK paying fo comuter services in US, or US there).   Thus he can't
   directly pay us.   2b

   But he says that there is an exchange agreement of some sort
   included within the ARPA-UK arrangement.   Bob Kahn administers it
   for ARPA, and he has a certain degree of freedom (funding?) to
   arrange for resources for the UK people.   2c

   Peter will see Bob tomorrow, and intends to bring up the question
   of ARPA's arranging for AKW resources for UK, either at OFFICE-1
   or SRI-ARC.   2d

   I told him that we don't currently have a resurce channel for
   extnding SRI-ARC computer service to outsiders, at ARPA's (funded)
   request; but that the mechansims do exist with OFFICE-1.   I asked
   that he deal directly with Jim Norton in the future on this issue.   2e

   [Note: He says that Norway's situation is even more complex
   somehow; Kahn also handles that.]   2f

FACSIMILE EQUIPMENT, DRIVEN OVER THE ARPANET: 3

   Peter has been working toward this for some time (discussed it
   with us when he visited last June).   Now has a piece of analog
   facsimile equipment, a full-duplex, scanner-receiver pair, and a
   D/A and A/D setup.   They are hooking it to their PDP-9, which is
   conected to the Net.   They intend first to just check out
   transmitting the page-at-a-time file around the Net.   Then they'd
   like to work toward a sort of canonical reprsentation of facsimile
   data, with mapping processes to convert back and forth to the
   representations used by various pieces of facsimile equipment.
   Aiming for a solid means of handling facsimle storage,
   transmission, etc. around the Net.   3a

   I told him that this would seem of interest to Fields of IPTO for

DCE   7-MAR-74 18:18   22354

Peter Kirstein's interests: AKW service, facsimile, a UK NIC

MSTP; that the MST Program apparently was going to support various
candidate technological explorations, of which his facsimile
wouldn't seem an unreasonable candidate.   3b

THEIR WORK TOWARD A "UK NIC":   4

He mentioned that he had great hopes for the sorts of thing that
Steve Wilbur had worked up in support of the UK Net users -- sort
of a 'UK NIC'. Especially the use of the British Library as a
service agent; a "first case of a professional library serving
ARPANET people." I gather that the BL provides clearing-house
service. Steve published a very nice memo in the Journal
discussing the tentative BL plans (unfortunately, the Journal
indices seem to have obliterated Wilbur, and I can't find the
citation).   4a

Apparently the largest interst they have in getting at AKW
service is to support their UK-NIC role. I explained that it
really wasn't in the NIC mandate for it to support their UK-NIC
with computer services.   4b

Peter Kirstein's interests: AKW service, facsimile, a UK NIC

(J22354) 7-MAR-74 18:18;   Title: Author(s): Douglas C. Engelbart/DCE
; Distribution: /jcn   rww   mdk   jbn   jake   meh ; Sub-Collections:
SRI-ARC; Clerk: DCE ;

New DNLS Useroptions Control command difficulty

New DNLS--Useroptions Control command:
After "echo as", DNLS won't let me give null CONTENT. A <control-n>
elicits a question mark and SPACE BACKSPACE is accepted, but when I
follow wither one by a CA, it is taken as a BUG. Both should be
taken as null content and be heard as an answer to T:, and continue
to the next field (the Set Name Delimiters command works as I imagine
this should).   1

New DNLS Useroptions Control command difficulty

(J22355)   7-MAR-74 20:44;   Title: Author(s): Jeanne M. Beck/JMB;
Distribution: /NNLS; Sub-Collections: SRI-ARC; Clerk: JMB;

New DNLS--Useroptions Show command

New DNLS--Useroptions Show command   1

   Why do the Useroptions Show commands leave you hanging upon
execution?   1a

      When the info has been displayed, the command line is still
showing with the 3 dots, which indicate to the user the system
is still churning. If he gets bored & does a <control-t> he
finds himself at IOwait. If he then hits a CA, it wipes out
the old command but gives him a question mark (same as it does
when you give a CA before any command has started).   1a1

   Trivial shit, but could be confusing anyway.   1b

New DNLS--Useroptions Show command

(J22356) 7-MAR-74 20:50;   Title: Author(s): Jeanne M. Beck/JMB;
Distribution: /NNLS; Sub-Collections: SRI-ARC; Clerk: JMB;

New DNLS--Null content in Set Name Delimiters command

DNLS--
Set Name Delimiters command doesn't take <control-n> for null content
either (reference to Useroptions Control command)
If it never will, please let me know.   Thanks, Jeanne B.   1

New DNLS--Null content in Set Name Delimiters command

(J22357)   7-MAR-74 21:16;   Title: Author(s): Jeanne M. Beck/JMB;
Distribution: /NNLS; Sub-Collections: SRI-ARC; Clerk: JMB;

Re Erroneous Submission of 19938, in reply to (22343,)

Doug-   1

Since I was heavily involved in preparation of 19938, I would like to
add my comments to Jim's or others' in regard to (22343,).   2

At the time the proposal was finished, I assumed that Jim as nominal
author of the proposal was going to Journalize it, and he assumed, it
developed later, that I had, and it was not Journalized until long
after its publication. I retrieved what I believed to be the parts of
the final version, the latest Jeff found, and gave the erroneous
information to Jim who offered to Journalize it. I obviously did not
check it carefully. I agree that the principle of Journalizing must
be that items recorded must be what they are expected, advertised, to
be and that this kind of error is intolerable.   3

But because this kind of need to revise an erroneous submission can
be expected to occur, even with greater care than was used in this
case, we could benefit from a provision for adding comments after
Journalization. In a case such as this, we would like to be able to
mark the existing item as incorrect, and provide a link to the
corrected version, under the same number. Such a provision looks to
be useful in other cases in which an early version is Journalized and
there is a desire to re-Journalize.   4

A factor in the occurrence of mismatches between hardcopy and online
versions, in greater or lesser degree, continues to be the fact that
a long, heavily formatted publication is hell to Journalize. With our
fascinating formatting capabilities, a hardcopy version can be
produced which contains complicated directives that the Journal is
not well equipped to deal with. The display version does not look
good either. Kludges and tricks are used, such as making a contents
page which does not automatically become statement 1. Also a long
document is usually prepared in several parts to make it possible to
get the total through the output processor iteratively without great
waste of paper and without paralyzing suspension. So false empty
statements and unusual directives occur in places which make it
necessary to have them changed when the whole is submitted to the
Journal. I spent a whole day merging for Journalization the 8 parts
in which it had been convenient to prepare the proposal for the Human
Resources File. Directives in different sections had to be
selectively removed, and files merged smoothly, and the output
experimented with to anticipate what the Journal would do to it.   5

The one aspect of this I see as solvable is the statement number
problem. I feel that use-provided statement numbers would go a long
way toward improving the output and simplifying the preparation of
both hardcopy and of material before Journalizing.   6

JBN 8-MAR-74 03:53   22358

Re Erroneous Submission of 19938, in reply to (22343,)

In case the points I intended to make here have got lost in the
verbiage, they are: 7

I am chagrined that I allowed the error in submission of 19938.   7a

I would like to see a means of adding comments to Journalized
items, so that while the integrity of the Journal is not
compromised, its information-bearing quality can be improved.   7b

I would like to stress the need for even more flexibility in
text-preparation and text-acceptance by the Journal, in particular
the provision for user-edited statement numbers.   7c

Re Erroneous Submission of 19938, in reply to (22343,)

(J22358) 8-MAR-74 03:53; Title: Author(s): Jeanne B. North/JBN;
Distribution: /DCE JCN PR RWW DVN RLL; Sub-Collections: SRI-ARC; Clerk:
JBN;
Origin: <NIC-WORK>DOUGREPLY.NLS;1, 8-MAR-74 03:07 JBN ;

Request for Catalog Proof Copy Runs

From: Mil Jernigan
  To: Beau Hardeman
Info: MDK, JBN
Subj: Request for Catalog Proof Copy Runs

Beau please run the usual catalog proof run copies on the following
file:

    <nic-work>mej-citnewnicfall.nls;1

Thanks a lot.

    Mil.
                                                                        1

Request for Catalog Proof Copy Runs

(J22359)   8-MAR-74 09:53;   Title: Author(s): Mil E. Jernigan/MEJ;
Distribution: /BAH MDK JBN; Keywords: Catalog
; Sub-Collections: SRI-ARC ; Clerk: MEJ;

This is to announce that RFC numbers can now be obtained on-line
through NLS at OFFICE-1; they can no longer be obtained on-line at
SRI-ARC. You may still call the NIC to get an RFC number, if you do
not wish to use the on-line facilities.   1

Also, please note that pre-assigned journal numbers (excepting RFC
numbers) can be used through NLS only on the system (OFFICE-1 or
SRI-ARC) from which they were taken.   2

(J22361) 26-MAR-74 15:45;   Title: Author(s): Marcia Lynn Keeney/MLK;
Distribution: /RFC; Sub-Collections: NIC NWG SRI-ARC RFC; RFC# 628;
Clerk: MLK;
Origin: <KEENEY>RFC,NLS;4, 26-MAR-74 15:42 MLK ;

I have rewritten INMES (again!). It currently resides as
<meyer>inmes.nls and <meyer>inmes.rel. If you can, please give it a
try and tell me how it works for you befre I replace the user program
library version. Ok? (It should appear exactly the same.) --Dean   1

(J22362)   8-MAR-74 16:56;   Title: Author(s): N. Dean Meyer/NDM;
Distribution: /JCN JEW DCE; Sub-Collections: SRI-ARC; Clerk: NDM;

Procedure for maintaining the Userguides directory   1

A current version of <userguides> has to be maintained at both
SRI-ARC and at OFFICE-1. The Archive status of these files must
be controlled; we can't allow them to disappear even if they are
seldom read, because when someone does go through <ARC>LOCATOR we
want the links to work.   1a

The following persons regularly create new files and new versions
of <USERGUIDES> files at either site: JMB, DVN, KIRK, NDM.   1b

To control this directory, the procedure the four of us have
agreed on is: 1c

KIRK, DVN, and NDM will notify JMB via the Journal of the site,
name, and version number of any new files or versions they
create in this directory at either site.   1c1

JMB will make sure that the directory is current at both sites
by copying the one at ARC over to OFFICE-1 every 20 days, and
by copying new files and versions to the other site whenever
they are created. Initially setting the Archive status of the
whole thing to Do Not Delete will cover all old files because
they will be read every 20 days. JMB will set this Archive
status on all new versions and files when they are copied.   1c2

Procedure for maintaining the Userguides directory

(J22363) 9-MAR-74 12:34;   Title: Author(s): Jeanne M. Beck/JMB   ;
Distribution: /DVN   KIRK   NDM   JMB ; Sub-Collections: SRI-ARC; Clerk:
JMB ;