

Transmittal to Madge Cornell

Transmittal to Madge Cornell - (MITRE)
9404

NIC

9-MAR-72

Cindy Page (SRI-ARC)
Station Agent
Network Information Center

1

Enclosed are the documents you requested:

2

NIC 6740 ARPA Network Resource Notebook, 22-NOV-71

2a

NIC 7104 ARPA Network Current Network Protocols, 8-MAR-72

2b

NIC 5480 An NCP For the ARPA Network

2c

c: S. Crocker

3

Cindy Page
Augmentation Research Center
Stanford Research Institute
Menlo Park, California 94025

To:
Access Copy

CXP 9-MAR-72 16:35 9404

Transmittal to Madge Cornell

(J9404) 9-MAR-72 16:35; Title: Author(s): Cindy Page/CXP;
Distribution: Cindy Page/CXP; Sub-Collections: SRI-ARC; Clerk: LLL;
Origin: <LANE>BLANK.NLS;164, 9-MAR-72 16:05 LLL ; ;

Transmittal to Buzz Owens

ARPA Network Information Center
Stanford Research Institute
Menlo Park, California 94025

NIC 9405
10-MAR-72

1

TRANSMITTAL TO: Buzz Owens
Teledyne Geotech
Seismic Analysis Array Center
Box 334
Alexandria, VA 22314

2)

FROM: Cindy Page
Station Agent

3

At your request I am sending a copy of the following document:

4

NIC 7172 NWG/RFC #205 NETCRT - A CHARACTER DISPLAY PROTOCOL

4a

c: S. Crocker (ARPA)

5

Cindy Page
Augmentation Research Center
Stanford Research Institute
Menlo Park, California 94025

To:
Access Copy

CXP 10-MAR-72 16:14 9405

Transmittal to Buzz Owens

(J9405) 10-MAR-72 16:14; Title: Author(s): Cindy Page/CXP;
Distribution: Cindy Page/CXP; Sub-Collections: SRI-ARC; Clerk: LLL;
Origin: <LANE>BLANK.NLS;174, 10-MAR-72 16:08 LLL ; ;

CXP 9-MAR-72 15:43 9406

Transmittal to Rayner Rosich

(J9406) 9-MAR-72 15:43; Title: Author(s): Cindy Page/CXP;
Distribution: Cindy Page/CXP; Sub-Collections: SRI-ARC; Clerk: LLL;
Origin: <LANE>BLANK.NLS;163, 9-MAR-72 15:38 LLL ; ;

Transmittal to Rayner Rosich

ARPA Network Information Center
Stanford Research Institute
Menlo Park, California 94025

NIC 9406
9-MAR-72

1

TRANSMITTAL TO: Rayner Rosich
U.S. Department of Commerce OT/ITS
325 Broadway
Room 1-4528B
Boulder, Colorado 80302

2

FROM: Cindy Page
Station Agent

3

At your request, I am sending the following documents which will
be updated:

4

NIC 5145 Current Catalog of the NIC Collection

4a

NIC 6740 ARPA Network Resource Notebook

4b

NIC 5150 Current Directory of Network Participants

4c

NIC 7104 ARPA Network Current Network Protocols

4d

c: S. Crocker

5

Transmittal to Arthur L. Stokes, Jr.

ARPA Network Information Center
9407
Stanford Research Institute
10-MAR-72
Menlo Park, California 94025

NIC

1

TRANSMITTAL TO: Arthur L. Stokes, Jr.
10730 Midsummer Lane
Columbia, Maryland 21044

2

FROM: Cindy page
Station Agent

3

At the request of Bruce Dolan (ARPA), I am sending the following document:

4

NIC 7104 ARPA Network Current Network Protocols, 8-MAR-72.

4a

Your copy will be updated.

5

c: S. Crocker (ARPA)
E. Dolan (ARPA)

6

Cindy Page
Augmentation Research Center
Stanford Research Institute
Menlo Park, California 94025

To:
Access Copy

CXP 10-MAR-72 11:06 9407

Transmittal to Arthur L. Stokes, Jr.

(J9407) 10-MAR-72 11:06; Title: Author(s): Cindy Page/CXP;
Distribution: Cindy Page/CXP; Sub-Collections: SRI-ARC; Clerk: LLL;
Origin: <LANE>BLANK.NLS;168, 10-MAR-72 10:55 LLL ; ;

Cindy Page
Augmentation Research
Stanford Research Institute
Menlo Park, California

Cindy Page
Augmentation Research Center
Stanford Research Institute
Menlo Park, California 94025

To:

Access Copy

Access Copy

9428

CXP 2-APR-72 22:47 9428

Transmittal to Mike O'Malley (UMICH)

(J9428) 2-APR-72 22:47; Title: Author(s): Cindy Page/CXP;
Distribution: Cindy Page/CXP; Sub-Collections: SRI-ARC; Clerk: LLL;
Origin: <LANE>M.O'MALLEY;2, 28-MAR-72 16:50 LLL ; ;

Transmittal to Mike O'Malley (UMICH)

Transmittal to Mike O'Malley (UMICH)

NIC 9428

28-MAR-72

Cindy Page (SRI-ARC)
Station Agent
Network Information Center

1

At the request of Don Walker (SRI-AI) I am enclosing a copy of
the following document:

2

NIC 8232 USER'S GUIDE TO THE TERMINAL IMP; December 1971

2a

c: S. Crocker
D. Walker

3

Letter to M. L. Tsuffis

ARPA Network Information Center
9434
Stanford Research Institute
29-MAR-72
Menlo Park, California 94025

NIC

1

TO: M. L. Tsuffis, Mgr.
Technical Information Center
P.O. Box 305
Webster, New York 14580

2

FROM: Jeanne B. North
Information and Agent Coordinator

3

Hello, Mary Lee.

4

Your request for reports on William K. Pratt's (USC) work in image coding enhancement and detection comes a week or so too soon. They have prepared a (first) semiannual report to be released about April 1.

5

You should write to Dr. Pratt at the Image Processing Laboratory to request a copy of USCEE rpt. 411, Semiannual Technical Report, covering activity August 3, 1971 to February 29, 1972.

6

CXP 30-MAR-72 21:42 9434

Letter to M. L. Tsuffis

(J9434) 30-MAR-72 21:42; Title: Author(s): Cindy Page/CXP;
Distribution: Cindy Page/CXP; Sub-Collections: SRI-ARC; Clerk: LLL;
Origin: <LANE>T-TSUFFIS.NLS;2, 30-MAR-72 21:37 LLL ; ;

Cindy Page
Augmentation Research Center
Stanford Research Institute
Menlo Park, California 94025

To:
Access Copy

9435

CXP 30-MAR-72 22:06 9435

Transmittal Letter to John M. Flannery

(J9435) 30-MAR-72 22:06; Title: Author(s): Cindy Page/CXP;
Distribution: Cindy Page/CXP; Sub-Collections: SRI-ARC; Clerk: LLL;
Origin: <LANE>L-TO-FLANNERY.NLS;3, 30-MAR-72 22:01 LLL ; ;

Transmittal Letter to John M. Flannery

ARPA Network Information Center
Stanford Research Institute
Menlo Park, California 94025

NIC 9435
29-MAR-72

1

TRANSMITTAL TO: John M. Flannery
Administrative Assistant
University of Southern California
University Park
Los Angeles, California 90007

2

FROM: Jeanne B. North
Information and Agent Coordinator

3

Dear Mr. Flannery:

4

Fortunately, your request to Dr. Watson for information on the ARPA Network can be satisfied to some extent on your own campus. The Station Collection for the USC site of the ARPA Network is under the care of Linda Webster, Olin Hall of Engineering, Room 340, 746-6779.

5

The Station Collection contains a Catalog of the NIC Collection, and many of the documents listed in the Catalog. They do not circulate, but you can arrange for a visit.

6

We are enclosing a retention copy of one of the documents, a bibliography, prepared by Peggy Karp of MITRE, which should be useful.

7

Unfortunately, the NIC Catalog by no means exhausts the sources of literature on regional and national computer networks, and is strongly slanted toward the technical rather than managerial aspects. We could benefit greatly from the results of your search. We would like to receive a copy of your bibliography when it's ready.

8

info c: RWW

encl: NIC 6025

9

Jonathan B Postel
University of California at Los Angeles
Computer Science Department
3732 Boelter Hall
Los Angeles, California 90024

To:
Access Copy

9445

JBP 7-MAR-72 11:27 9445

memo

(J9445) 7-MAR-72 11:27; Title: Author(s): Jonathan B Postel/JBP;
Distribution: Alex A. McKenzie/AAM; Sub-Collections: NIC; Clerk: JBP;

memo

memo to alex

1

I got your message about heafner being left out of the rje group, an oversight which has been corrected.

1a

I talked to steve about protocol documents. he says he is acting on the cover letter to make your document on host-host protocol official. however he says he wont approve of the telnet document(s) because he dosent approve of the protocol
NOW IS A FINE TIME TO TELL ME.

1b

Kenneth E. Victor
Augmentation Research Center
Stanford Research Institute
Menlo Park, California 94025

To:
Access Copy

9446

program communication flags

(J9446) 7-MAR-72 16:22; Title: Author(s): Kenneth E. Victor/KEV;
Distribution: Jacques F. Vallee, Diane S. Kaye, Paul Rech, Michael D.
Kudlick, Donald R. Cone, Don Limuti, William R. Ferguson, Priscilla
Lister, Robert L. Dendy, Linda L. Lane, Marilyn F. Auerbach, Walter L.
Bass, Mary S. Church, William S. Duvall, Douglas C. Engelbart,
Beauregard A. Hardeman, Martin E. Hardy, J. D. Hopper, Charles H. Irby,
Mil E. Jernigan, Harvey G. Lehtman, John T. Melvin, Jeanne B. North,
James C. Norton, Cindy Page, Bruce L. Parsley, William H. Paxton,
Jeffrey C. Peters, Jake Ratliff, Barbara E. Row, Ed K. Van De Riet, Dirk
H. van Nouhuys, Kenneth E. Victor, Donald C. Wallace, Richard W. Watson,
Don I. Andrews, Kenneth E. Victor/SRI-ARC KEV; Sub-Collections: SRI-ARC;
Clerk: KEV;
Origin: <VICTOR>FLAGS.NLS;1, 7-MAR-72 16:09 KEV ;

program communication flags

Usage of Program Communication Flags

1

Flag #0 (password JLOCK): Used to control Journal access.

1a

When set, prevents anyone new from entering the Journal, but allows persons already using it to continue.

1a1

Flag #1 (Password JBFIL): Indicates a Bad File in the Journal System Files.

1b

This flag may be set either by the Journal, or by slinker.

1b1

It indicates that an error was found in one of the Journal files, and immediately stops any further use of the Journal.

1b2

Persons currently using the Journal are bombed out to the TNLS command parser with the message: Global Journal File System Error--Call NIC Center.

1b2a

The flag will always be reset by running recovf, and it will be additionally reset by any successful running of slinker.

1b3

Note that slinker may also set this flag if it finds a bad file.

1b3a

Recovf should be used for recovering.

1b3b

Flag #2 (Password SLNKR): Controls the automatic startup of Recovf (slinker, OLJDEL).

1c

If on, NLS will not function as NLS, but will reset it and start up recovf (including logging in as background) instead.

1c1

If found on and NLS is logged in, NLS executes an error after resetting it.

1c2

Flag #3 (Password NLSUT): Controls the automatic startup of NLS utility.

1d

If on, NLS will not function as NLS, but will reset it and start up Utility (including logging in as background) instead.

1d1

If found on and NLS is logged in, NLS executes an error after resetting it.

1d2

program communication flags

- Flag #4 (password OPNLK): Used by the routine (IOCTL, openlock) for preventing race conditions. 1e
- Flag #5 (password EXPFG): If TRUE, SLINKER and NLSUTILITY will expunge the directories under which they are running. If FALSE, the expunge will not be executed. 1f
- Flag # 6 (Password WMEAS) If on, NLS will write some measurement stuff out on a file when Execute Quit is done. 1g
- Flag # 7 (Password IDLOK): A Flag which, if set, will not allow entry into the identification system. 1h
- Flag #8: (Password AUTOJ) 1i
- Whenever Checkdisc runs, it turns this flag on. 1i1
- After it has completed running and there were no errors, it turns it off. 1i2
- If this flag is on, no auto-startup jobs will be started. 1i3
- Flag #9: (Password CHKJ0) 1j
- Whenever Checkdisc runs, it turns this flag on. 1j1
- After it has completed running, it turns it off. 1j2
- If this flag is on, no jobs will be started. 1j3

Steve D. Crocker
Advanced Research Projects Agency
1400 Wilson Boulevard
Arlington, Virginia 22209

To:
Access Copy

9448

SDC2 7-MAR-72 22:13 9448

(J9448) 7-MAR-72 22:13; Title: Author(s): Steve D. Crocker/SDC2;
Distribution: David H. Crocker, Steve D. Crocker/DHC SDC2;
Sub-Collections: NIC; Clerk: SDC2;

SDC2 7-MAR-72 22:13 9448

cordell is more thn happy to have stay at his place in palo alto.
his address is 470 kellogg (i think). phone is (415) 327-0329.
have a good time. steve

1

Bruce A. Dolan
Advanced Research Projects Agency
1400 Wilson Boulevard
Arlington, Virginia 22209

To:
Access Copy

9449

BAD 8-MAR-72 7:00 9449

tipug (part 2)

(J9449) 8-MAR-72 7:00; Title: Author(s): Bruce A. Dolan/BAD;
Distribution: Jeanne B. North/JBN; Sub-Collections: NIC; Clerk: BAD;

tipug (part 2)

suggested documentation for members of tipug:

- tip users guide
- network resources notebook
- any document referring to tips
- nls users guide
- network participants notebook

any others?

Marilyn F. Auerbach
Augmentation Research Center
Stanford Research Institute
Menlo Park, California 94025

To:
Access Copy

9450

MFA 8-MAR-72 8:45 9450

handbook test

(J9450) 8-MAR-72 8:45; Title: Author(s): Marilyn F. Auerbach/MFA;
Distribution: Augmentation Research Handbook/HAND; Sub-Collections:
SRI-ARC; Clerk: MFA;

MFA 8-MAR-72 8:45 9450

handbook test

this is a ttest for handbook delivery

1

S.R.I. - Augmentation Research Center
Stanford Research Institute
333 Ravenswood Ave.
Menlo Park, California 94025

To:
Access Copy

9451

8 March 1972 Baseline Task Views -- Per Person

Months: > Mar-Apr--May-Jun- <

(J9451) 8-MAR-72 8:59; Title: Author(s): S.R.I. - Augmentation
Research Center/SSRI-ARC; Distribution: James C. Norton/JCN;
Sub-Collections: SRI-ARC; Clerk: BER;
Origin: <MSR>PERPERS.NLS;1, 8-MAR-72 8:50 BER ;

8 March 1972 Baseline Task Views -- Per Person

Months: > Mar-Apr--May-Jun- <

Harvey G. Lehtman
Augmentation Research Center
Stanford Research Institute
Menlo Park, California 94025

To:
Access Copy

9452

HGL 8-MAR-72 9:10 9452

MSC and SUBSTITUTE CODE

(J9452) 8-MAR-72 9:10; Title: Author(s): Harvey G. Lehtman/HGL;
Distribution: L. Peter Deutsch/LPD; Sub-Collections: SRI-ARC; Clerk:
HGL;

MSC and SUBSTITUTE CODE

Mimi will be finishing the substitute word stuff this week (probably on Thursday). I am not sure whether or not she has taken code out of your directory yet and therefore suggest you keep it around for a while longer.

1

9453

See

Baseline

Book

Jonathan B Postel
University of California at Los Angeles
Computer Science Department
3732 Boelter Hall
Los Angeles, California 90024

To:
Access Copy

9454

JBP 8-MAR-72 10:04 9454

re: a possible network facilitators meeting

(J9454) 8-MAR-72 10:04; Title: Author(s): Jonathan B Postel/JBP;
Distribution: Alex A. McKenzie/AAM; Sub-Collections: NIC; Clerk: JBP;

re: a possible network facilitators meeting

memo to alex

1

Crocker suggests that the time of the seminar on the new IMP system is a good opportunity to hold a facilitators meeting. could you arrange such a meeting for thurs eve (16 march) at bbn or some such thing ? Please call steve for details etc.
--jon.

1a

Jonathan B Postel
University of California at Los Angeles
Computer Science Department
3732 Boelter Hall
Los Angeles, California 90024

To:
Access Copy

9455

JBP 8-MAR-72 10:15 9455

ident file typos

(J9455) 8-MAR-72 10:15; Title: Author(s): Jonathan B Postel/JBP;
Distribution: Jeanne B. North/JBN; Sub-Collections: NIC; Clerk: JBP;

ident file typos

memo to nic

1

I noticed that the addresses in the ident file for Chuck Holland and Bob Braden had some minor errors. Braden (RTB) is with the "Campus Computing Network" rather than the "Campus Computing Center". Holland's (CH) zip code is 92037 rather than 90037.

1a

Jonathan B. Postel
University of California at Los Angeles
Computer Science Department
3732 Boelter Hall
Los Angeles, California 90024

To:
Access Copy

9456

JBP 8-MAR-72 10:19 9456

(J9456) 8-MAR-72 10:19; Author(s): Jonathan B Postel/JBP;
Distribution: John T. Melvin, Donald C. Wallace/JTM DCW;
Sub-Collections: NIC; Clerk: JBP;

What is DELD that FERG insists on telling me that he will run ?

1

Mil E. Jernigan
Augmentation Research Center
Stanford Research Institute
Menlo Park, California 94025

To:
Access Copy

9457

MEJ 8-MAR-72 10:31 9457

Additional Information for March NIC TNLS Class

(J9457) 8-MAR-72 10:31; Title: Author(s): Mil E. Jernigan/MEJ;
Distribution: Dirk H. van Nouhuys, Richard W. Watson, Cindy Page,
Barbara E. Row/DVN RWW CXP BER; Sub-Collections: SRI-ARC; Clerk: MEJ;
Origin: <JERNIGAN>NIC-CLASS-INFO.NLS;1, 8-MAR-72 10:25 MEJ ;

Additional Information for March NIC TNLS Class

Following is current information on attendants of the March 16-17, 1972 NIC TNLS Class, current as of Mar 7:

1

See <GJOURNAL>9365, 3 Mar 72, for original information message.

1a

Amended information from DOCB:

1b

Attendants will be W. Schuyler Stevenson, Thomas B. Gray, and Raynor K. Rosich. Rosich will be staying at the Mermaid Inn and he has already made his own reservations. Stevenson and Gray will be staying at Rickey's Hyatt House, Palo Alto, and they have already made their own reservations. Both parties will have rental cars and do not need any transportation reservations.

1b1

All three would like to have marked maps of the area and TNLS Users Guides sent to them. Rosich gave his address as Raynor K. Rosich

U. S. Department of Commerce

OT/ITS

325 Broadway, Room 1-4528B

Boulder, Colorado 80302

Phone: (303)499-1000, ext 3109 -- Secretary: ext 3337

1b2

NASA, Ames Research Center

1c

One additional person is coming to the class from NASA, Ames:

Paul J. Zima

1c1

Mr. Zima will need no reservations, maps, or Guide. His access to a TNLS Users Guide will be handled locally through John McConnell.

1c2

Additional information from JPL:

1d

Names and addresses for attendants from JPL are now known in full:

Dr. Prentiss H. Knowlton

Jet Propulsion Laboratory

Mail Stop 125-109A

4800 Oak Grove Drive

Pasadena, Calif. 91103

phone: (213) 354-4090 (direct dial)

Dr. Frank P. Mathur

Additional Information for March NIC TNLS Class

same as above except for: Mail Stop 198-136
phone: (213) 354-4133

1d1

Information on Gordon A. Smith was given in <GJOURNAL>9365.

1d2

Marsha Trager, Station Agent, University of Illinois, Center for Advanced Computation, called 3/8/72 10 AM and asked about the March NIC TNLS Class. I told her I had heard that the class was full. She agreed to come if called on short notice, in case of a cancellation, and if no room in the March class, she asked to be put on the roster for the April class. I told her I would give the information to Dirk and he would carry on from there.

1e

Steve D. Crocker
Advanced Research Projects Agency
1400 Wilson Boulevard
Arlington, Virginia 22209

To:
Access Copy

9459

SDC2 8-MAR-72 16:45 9459

(J9459) 8-MAR-72 16:45; Title: Author(s): Steve D. Crocker/SDC2;
Distribution: David H. Crocker, Steve D. Crocker/DHC SDC2;
Sub-Collections: NIC; Clerk: SDC2;

correction to previous note. cordell's address is 270 kellogg in palo alto. he's expecting you to stay over at his place. his home phone is 327-0329. at stanford, it's 321-2300 x4971(a.i. lab) or x4364(comp. sci. office) have a good time in the course. steve.

1

Mark A. Kampe
3771 Boelter Hall
University of California at Los Angeles
Los Angeles, California 90024

To:
Access Copy

9460

MAK2 8-MAR-72 16:54 9460

trash

(J9460) 8-MAR-72 16:54; Title: Author(s): Mark A. Kampe/MAK2;
Distribution: Mark A. Kampe/MAK; Sub-Collections: NIC; Clerk: MAK2;

MAK2 8-MAR-72 16:54 9460

trash

I'm sending a message that is mostly garbage.

1

Mil E. Jernigan
Augmentation Research Center
Stanford Research Institute
Menlo Park, California 94025

To:
Access Copy

9461

MEJ 9-MAR-72 7:29 9461

Additional Registrant, March NIC TNLS Class

(J9461) 9-MAR-72 7:29; Title: Author(s): Mil E. Jernigan/MEJ;
Distribution: Richard W. Watson, Dirk H. van Nouhuys, Barbara E. Row,
Cindy Page/RWW DVN BER CXP; Sub-Collections: SRI-ARC; Clerk: MEJ;
Origin: <JERNIGAN>MAR-NIC-CLASS.NLS;1, 9-MAR-72 7:22 MEJ ;

Additional Registrant, March NIC TNLS Class

Reference <GJOURNAL>9365 and <GJOURNAL>9457 for previous information concerning registrants for the March NIC TNLS class to be held March 16-17, 1972, at ARC.

1

Following is additional information:

2

RADC

2a

A new registrant is
Robert E. Doane
Rome Air Development Center (ISF)
Griffiss Air Force Base
Rome, New York 13440
Phone: (315) 330-7628

2a1

Mr. Doane is making his own reservations for motel and car.

2a2

He would like to have a marked map and TNLS Users Guide sent to him.

2a3

UNIVERSITY OF ILLINOIS

2b

Marcia Trager, Station Agent, cannot attend the March NIC TNLS course because of pressure of work at ILL. She would like to be notified of the April class, or the next class to be held.

2b1

Harvey G. Lehtman
Augmentation Research Center
Stanford Research Institute
Menlo Park, California 94025

To:
Access Copy

9482

REL-NLS TO NLS OR BUST

(J9482) 9-MAR-72 11:11; Title: Author(s): Harvey G. Lehtman/HGL;
Distribution: James G. Mitchell, L. Peter Deutsch, Diane S. Kaye, Don I.
Andrews, Walter L. Bass, William S. Duvall, Mary S. Church, J. D.
Hopper, Charles H. Irby, Harvey G. Lehtman, John T. Melvin, Bruce L.
Parsley, William H. Paxton, Diane S. Kaye, Marilyn F. Auerbach/NPG DSK
MFA; Sub-Collections: SRI-ARC NPG; Clerk: HGL;

REL-NLS TO NLS OR BUST

We want to bring up a new NLS from REL-NLS on Friday or Monday. Please do not start any major changes in the source code. Check that everything in REL-NLS is working and documented. Please let me know if we cannot make the move.... HGL

1

Kenneth E. Victor
Augmentation Research Center
Stanford Research Institute
Menlo Park, California 94025

To:
Access Copy

9485

sri-arc changes to standard tenex

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OVERVIEW 2

The following is an overview of many of the changes we have made here at SRI-ARC to TENEX. Most of these changes have not been distributed before, mostly because of oversights and/or overloads on our part. 2a

We hope that some of these changes can be incorporated into standard TENEX or at least help others who may have needs similar to ours. 2a1

I intend now only to provide overviews. 2a2

Further details, including implementation details, are available for the asking. 2a2a

We will soon distribute a list of all the jsies that we have added to TENEX with their appropriate user documentation. 2a3

COMPILING AND LOADING OF A NEW MONITOR 3

sri-arc changes to standard tenex

We no longer add code to existing files when we get new monitor releases. Instead we have defined additional files that get assembled with each group of files and, where possible, made our additions in these new files with JESTs and CALLs to the new code.

3a

We have also broken the MON assembly into swappable and resident code similar to the SWPMON assembly.

3a1

Thus we can add code that is logically related to code in the MON assembly but not be resident.

3a1a

We have made several changes in the compile-and-load sequence

3b

All these changes give us more information at each step in putting together a new monitor.

3b1

We have changed both the FAIL assembly (ASSFIL) and the MACRO assemblies (MACALL) so that, where possible, we are told that swappable code overlaps at compile time rather than at load time.

3b1a

When an overlap does occur, we are told about it immediately.

3b1a1

In addition we are told what has to be changed in order to get rid of the overlap.

3b1a1a

To get notice of overlaps we had to break out code from PARAMS, FPARAMS, and some other routines and localize it in one routine.

3b1a2

The MON assembly now tells us the lower bound for loading MFLIN, etc.

3b1a3

In addition the driver file, after the assemblies are done, MACALL, goes into TECO and types out the current load address of MFLIN

3b1a3a

This number can then be immediately compared with the output from the MON assembly and checked for validity. We save going through a load only to discover that overlaps do occur.

3b1a3a1

We have changed the loading sequence as follows:

3b1b

We have removed the bounds checking that used to be done by going into DDT.

3b1b1

sri-arc changes to standard tenex

A new program was written that is assembled with
and called by POSTLD. 3b1b1a

This program does the checking that used to be
done in DDT plus some additional checking. 3b1b1a1

In addition it outputs this information in a
nicely formatted way that can be kept as
current documentation for this version of
the monitor. 3b1b1a1a

This program also gives us the current
values of certain critical cells. 3b1b1a1a1

We have added another program that is also assembled
with POSTLD. 3b1b2

POSTLD calls this program. 3b1b2a

This program types out the file names and current
versions of the source files that went into
generating this version of the monitor. 3b1b2b

This information also provides useful
documentation on the current monitor. 3b1b2b1

In addition to typing out current file names and
version numbers it sets up cells in the monitor
which contain the current version number of each
of the files. 3b1b2c

Thus we can go into MDDT and determine which
source files were used to generate this
monitor. 3b1b2c1

CHANGES TO START-UP AND RESTART PROCEDURES OF THE MONITOR 4

DTBOOT 4a

We have switched from using TENDMP (for loading the monitor
from DECTAP) to using DTBOOT, a DEC-provided replacment for
TENDMP that is much nicer to use and a better program than
TENDMP. 4a1

Novice startup procedures 4b

We have changed the starting address of the monitor from
100 (which goes immediately to DDT) to SYSG01. 4b1

sri-arc changes to standard tenex

Thus the procedure necessary for a novice to bring up the system is nice and simple as follows: 4bla

readin DTBOOT 4bla1

type CR. 4bla2

One of the by-products of using DTBOOT is that it has default file names built into it. 4bla2a

We have renamed the resident monitor to be SYSTEM.SAV 4bla2a1

SYSTEM.SAV is the default name for loading for DTBOOT 4bla2a1a

DDT Flushing 4c

See my previous memos. 4c1

System Startup Procedure 4d

We have modified the system such that if CHECKDSK does not run successfully, then nothing else, e.g. AUTO-STARTUP jobs, is allowed to run (except for the operator's console and one special dial-up line) until the disk has been fixed and CHECKDSK has been run successfully. 4d1

If CHECKDSK does not run successfully, then a message is broadcast to the world telling them that the disk needs fixing. 4dia

We allow a dial-up line access in this case, so that a system programmer can fix the disk from home iif necessary. 4dlb

We made this modification with the primitive inter-job communication described below. 4dlc

Auto-start-up jobs 4e

We have changed the manner in which auto-start-up jobs get started so that they now run under the EXEC rather than under the MINI-EXEC 4e1

PRIMITIVE INTER-JOB COMMUNICATION 5

sri-arc changes to standard tenex

We have implemented a very primitive inter-job communication facility. 5a

It involves a system-wide word with each bit independent of the other bits. 5a1

Each bit is directly settable, resettable, and testable. 5a1a

A process must know the password for any bit to set, reset, or test it. 5a1b

ADVISE 6

We have implemented an advise facility similar to that of the 940. 6a

Its implementation is similar to the implementation of links, except that lines are checked to see if they are input linked at the time characters are put into the big buffer. 6a1

If lines are input linked, then characters are placed into the big buffer with the line number of the advisee. 6a1a

AUTO-LOGOUT OF INACTIVE JOBS 7

We have implemented an auto-startup job that will logout inactive jobs, be they detached or not 7a

We have implemented a new jsys that sets, resets, or tests a bit to determine whether or not a job can be logged out by this auto-startup job. 7a1

HANDLING OUR DISPLAYS 8

(see also RFC 190 (NIC 7135) and RFC 191 (NIC 7136)) 8a

We have made many changes to the teletype routines to accomodate our displays. 8b

Basically, we defined an escape sequence: 8b1

This escape sequence declares that the following n (where n is part of the escape sequence) characters are to be interpreted differently from normal TTY input. 8b1a

There exists a mapping from the special sequence to normal TTY input. 8b1a1

sri-arc changes to standard tenex

When our displays are in TTY mode (as opposed to display mode) this mapping applies. 8b1a1a

If we are in display mode, then the characters of the special sequence include: what keyboard character was struck, what combination of the mouse buttons and keyset buttons were struck, what the current position of the mouse is, and, optionally, the time of the character input. 8b1a2

This escape sequence enables us to support other types of displays (including IMLACS over the NET) with no change to either NLS or TENEX as long as these "remote" displays input the proper escape sequence. 8b1a3

We have made the necessary changes to the rest of TENEX to accommodate this sequence, e.g. STI, and added additional jsies to be able to define what type of terminal (TTY, local display, remote display) is associated with each line. 8b2

FAST TERMINAL HANDLING 9

We have added a jsys to say that padding (sending additional rubouts) is required for this terminal when a CR or LF is output. 9a

This means that the user will not loose the characters at the left margin on fast terminals. 9a1

(I understand that version 1.29 takes care of padding. We will get rid of any inconsistancies in our code.) 9b

DISK LIMITATIONS 10

see Don Wallaces's previous memos. 10a

SCHEDULER CHANGES 11

We have changed several scheduler parameters to get the kind of response we want. 11a

Primarily, we have tuned the system to give very good service to highly interactive processes and very poor service to more computebound processes. We toned it by adjusting QBASE, TBASE, and TFACTR. 11a1

sri-arc changes to standard tenex

We have also changed our working set parameters in an attempt to reduce I/O wait time by getting more processes in the balance set. 11a2

In addition, we have our own version of NEWST, which, together with other code gives preferential treatment to display terminals. This is a departure from the BBEN idea of 1/N service to all users. We give our display users a larger share of the machine. 11a3

Quite a bit of code has been added at ARC to gather statistics. 11b

This measurement code is part of a subsystem written at ARC to get a profile of the system performance at any time. 11b1

Documentation on this system is available. 11b1a

In addition to finding how the CPU's time is spent, what important scheduler variables are, and how our disk and drums are behaving, we can sample the program counter and/or the contents of memory. 11b2

The program counter (PC) sampler is most valuable. The PC is sampled when the two clocks are synchronized every 50ms, in the clock interrupt. Either user or system mode is sampled. A specified subsystem may be sampled in user mode. The information is collected as count of samples within specified ranges, with one count for out-of-range in each direction. The ranges are specified as a lower bound and word count per range. The word count is rounded to a power of two, so that a SUB, LSH, AOS sequence does the job. 11b2a

The sampling of memory (user pages) is done by a process clock on 500ms intervals. It gives us a profile of memory use. 11b2b

Pages are categorized as private unmodified, private modified, shared but not referenced, shared and referenced by one process, shared and referenced by more than one process. 11b2b1

Based on the information gathered by the measurement code, the scheduler brews up a number we call the response index. It is an exponential average on the length of time processes on queue zero wait on the go list before being brought into the balance set. 11b3

sri-arc changes to standard tenex

It indicates the kind of service being provided to interactive users.

11b3a

If the response index goes over a threshold, the EXEC prevents new logins.

11b3b

Since our scheduler has such a dislike for compute bound jobs, we added a JSYS to set some scheduler parameters (TBASE, TFACTR).

11c

A special subsystem allows the operator to set the parameters to "compile time" or "normal".

11c1

Compilations during regular hours do not disrupt service to interactive user (and in general, don't get done). Interactive service during compile time is poor, and compilations get done quickly.

11c2

EXEC CHANGES

12

Autostartup Change

12a

The EXEC now has an entry vector of length 3 instead of 2. The third (new) entry is the autostartup entry (see above). There are several minor edits to the startup code in the EXEC in the vicinity of EXEC0, etc. to skip over tty output if the job is an autostartup job. Also, the EXEC uses a JFN passed to it by the mini-EXEC to startup the appropriate SAV file using the standard START machinery.

12a1

Network Changes

12b

Command restrictions

12b1

The changes for network users are centered about restricting the set of EXEC commands that are available for them. The EXEC determines that it is being run on a network line at startup.

12b1a

The following commands are not allowed for the network user:

12b1b

ACCOUNT ADVISE APPEND ASSIGN AVAILABLE CHANGE CLEAR
 COMMANDS COPY DDT DDEASSIGN DEFINE DETACH DUMP ENTRY
 FORK FORMFEED GET GOTO INDICATE JFNCLGSE LIMIT LIST
 LOWERCASE MEMSTAT MERGE MOUNT NO PADDING PROTECTION
 QFD QUIT RAISE REDIRECT REFUSE RUN SAVE SSAVE START
 STATUS STOPS TABS UNMOUNT

12b1b1

sri-arc changes to standard tenex

Additions for network users (also available to non-network users)	12b2
Linking no longer requires that the user be logged in. The autologout time has been boosted so that users (network ones in particular) can use this feature conveniently without being logged out.	12b2a
Other Changes	12c
Access Restrictions	12c1
The EXEC at startup for a user reads from the monitor (via jsies) scheduler parameters that indicate whether or not to allow a new user access to the system based on the current loading. This is a go/no-go type of mechanism.	12c1a
New Commands	12c2
NLS	12c2a
This is now a command which doesn't even require being logged in. It will call the EXEC's login machinery for the user.	12c2a1
LOGST and INDEX	12c2b
These commands allow the user to find out about the current system load and whether or not login is currently allowed.	12c2b1
DISCUSE	12c2c
This is now an EXEC command instead of a subsystem.	12c2c1
PADDING	12c2d
This command puts nulls after CR and LF for those terminals requiring such stuff. There is also a NO PADDING command.	12c2d1
Changed Commands	12c3
DSKSTAT	12c3a
This command now lists both deleted and undelited files.	12c3a1

sri-arc changes to standard tenex

Display Changes

12c4

Various changes were made to the EXEC (pseudo interrupt changes, etc.) to accomodate the ARC displays so that modes could be switched between tty simulation mode and display mode.

12c4a

MISCELLANEOUS CHANGES

13

GTJFN

13a

If a version number of -4 is specified to GTJFN then the following happens:

13a1

if the file exists then you are returned a JFN for the highest version number of the file.

13a1a

if the file does not exist then it is created for you and you are returned a JFN for this new file.

13a1b

DELNF

13b

This is a new jsys that we have added.

13b1

It will delete all but the n (where n is a passed parameter) highest versions of a file.

13b1a

sri-arc changes to standard tenex

(J9485) 9-MAR-72 13:28; Title: Author(s): Kenneth E. Victor/KEV;
Distribution: Charles W. Rose, David W. Shipman, James A. Moorer, Stan
L. Mantiplly, Rainer W. Schulz, Bob Van Tyul, Jeanne B. North, Robert L.
Dendy, John T. Melvin, Kenneth E. Victor, John W. McConnell, Peggy M.
Karp, Dan L. Murphy, Rod M. Fredrickson, Peter H. Lipman, Donald C.
Wallace, Carl M. Ellison, Ted R. Strollo/TUG; Sub-Collections: SRI-ARC
TUG; Clerk: KEV;
Origin: <VICTOR>TUG-OVERVIEWS.NLS;9, 9-MAR-72 13:23 KEV ;

Michael D. Kudlick
Stanford Research Institute
333 Ravenswood Ave.
Menlo Park, California 94025

To:
Access Copy

9487

- 1 REDWOOD POD met Tuesday March 7 at 3:00 PM 1
- 2 The principal topic of discussion concerned the purpose of POD meetings, and in particular what we in REDWOOD ought to be talking about in our meetings. 2
- 3 For the past few weeks, we have been developing a statement that reflects our collective thoughts on ARC's goals: 3
 - 3a This includes the R&D program, desired products, the ARC environment, and future directions. 3a
- 4 The purpose of the statement is to inform ARC of our thoughts, and to stimulate other POD's to contribute their ideas, with the intention of beginning a continuing dialogue on ARC goals and objectives. 4
- 5 Should we do this and ignore other issues until a first draft of the goals and objectives has been formulated to our satisfaction? 5
- 6 Or should we discuss other issues in parallel? 6
- 7 "Other issues" means things like PODCOM, group dynamics, and individual dynamics. 7
- 8 The question is, in what ways can discussions in our POD meetings help resolve problems in these areas. 8
 - 8a Marilyn felt that we must discuss our individual problems as they relate to the ARC environment in order that we can each understand where one another is at --- what bugs us, where we are attempting to go, what we perceive as hangups in the organization and other aspects of ARC. 8a
 - 8b Charles felt that for him, the process of working with someone on a task gives him a sound feeling for where a person is at, and that direct discussion is usually less informative. 8b
 - 8c Both Charles and Mike expressed unwillingness to discuss directly such individual problems. 8c
 - 8d Charles felt that if issues became important to POD members, they would be brought to our attention. He felt it was unnecessary to set up mechanisms to seek them out. 8d

8e Mike particularly was opposed to getting into an "encounter group" mode, in which personal problems are worked out.

8e

8f Another problem that needs attention is that of getting people together for meetings (other than POD meetings). One suggestion made (by Marilyn) was to make better use of system down time by having meetings called when the system goes down. This would avoid cutting into people's time at the terminals, and probably would insure that people who should be at the meeting would be available.

8f

9 The usefulness and purpose of PODCOM was discussed.

9

9a We agreed that PODCOM primarily serves as a mechanism for communicating among POD's, not as a means for two-way interaction with Doug.

9a

9b Mike felt that feedback from PODCOM on issues raised in POD meetings was lacking.

9b

9b1 As examples, he cited the issues of privacy of files, and of problems in PSO. He was told that ARC is currently seeking an administrator to run PSO. (That had been reported in previous EMC minutes, though the meaning of that report had not been clear.)

9b1

9c To maintain continuity, it was suggested that each REDWOOD POD meeting begin with a review of the previous meeting's minutes.

9c

9d But it was also felt that to do anything more formal, such as setting up agendas for our POD meetings, was undesirable. Spontaneity and freedom from a schedule would be eroded, and that would be undesirable.

9d

MDK 9-MAR-72 15:04 9487
15 MAR 72 MDK
REDWOOD POD Minutes 3/7

(J9487) 9-MAR-72 15:04; Title: Author(s): Michael D. Kudlick/MDK;
Distribution: Jacques F. Vallee, Diane S. Kaye, Paul Rech, Michael D.
Kudlick, Donald R. Cone, Don Limuti, William R. Ferguson, Priscilla
Lister, Robert L. Dendy, Linda L. Lane, Marilyn F. Auerbach, Walter L.
Bass, Mary S. Church, William S. Duvall, Douglas C. Engelbart,
Beauregard A. Hardeman, Martin E. Hardy, J. D. Hopper, Charles H. Irby,
Mil E. Jernigan, Harvey G. Lehtman, John T. Melvin, Jeanne B. North,
James C. Norton, Cindy Page, Bruce L. Parsley, William H. Paxton,
Jeffrey C. Peters, Jake Ratliff, Barbara E. Row, Ed K. Van De Riet, Dirk
H. van Nouhuys, Kenneth E. Victor, Donald C. Wallace, Richard W. Watson,
Don I. Andrews/SRI-ARC; Sub-Collections: SRI-ARC; Clerk: MDK;
Origin: <KUDLICK>MINUTES.NLS;9, 9-MAR-72 8:59 MDK ;

Jonathan H Postel
University of California at Los Angeles
Computer Science Department
3732 Boelter Hall
Los Angeles, California 90024

To:
Access Copy

9488

network gripes

(J9488) 9-MAR-72 16:54; Title: Author(s): Jonathan B Postel/JBP;
Distribution: Jeanne B. North, Bruce A. Dolan, Alex A. McKenzie, John T.
Melvin, Robert M. Metcalfe, Robert E. Kahn, Richard B. Kalin, Jonathan B
Postel, Peggy M. Karp, James E. White, Steve D. Crocker/NF;
Sub-Collections: NIC NF; Clerk: JBP;

network gripes

Complaints about Network Behavior

1

TENEX

1a

tenex systems do not support the Host to Host protocol commands echo and echo reply (ECO, ERP).

1a1

LL67

1b

Improper implementation of "reverse break" which includes sending data marks (x'80') without the INS. Should not use data mark or INS, but if insist on reverse break should use code x'81'.

1b1

Insists that user send server a null character before conversation will begin.

1b2

BBN

1c

The signon sequence at BBN was changed on 2Feb72 such that the "free" network user,password dosent work.

1c1

NIC

1d

The nic crashes too frenquently to be relied on for any substantial project. This is unfortunate because i find the service offered to be very useful.

1d1

V. R. Bruffey
Seismic Array Analysis Center
813 North Royal Street
Alexandria, Virginia 22314

To:
Access Copy

9489

VRB 9-MAR-72 20:06 9489

Hello message.

(J9489) 9-MAR-72 20:06; Title: Author(s): V. R. Bruffey/VRB;
Distribution: Jeanne B. North, Peggy M. Karp, Ernest H. Forman, V. R.
Bruffey/EJBN EPMK SEHF VRB; Keywords: saac; Sub-Collections: NIC; Clerk:
VRB;

Hello message.

To whom it may concern.

W. Jack Bouknight
University of Illinois
Center for Advanced Computation
316 Center for Advanced Computation Building
Urbana, Illinois 61801

To:
Access Copy

9491

WJB 9-MAR-72 20:15 9491

Request for Additional Service from NIC "mailbox"

(J9491) 9-MAR-72 20:15; Title: Author(s): W. Jack Bouknight/WJB;
Distribution: Richard W. Watson, John T. Melvin, Karl C. Kelley, Gary R.
Grossman, W. Jack Bouknight/RWW JTM KCK GRG WJB; Sub-Collections: NIC;
Clerk: WJB;

Request for Additional Service from NIC "mailbox"

<ILLINOIS>WJB.NLS;12, 6-MAR-72 16:08 WJB ;

1

Dick:

We At Illinois would like to pose the following possible addition to the mailbox service provided by NIC.

1a

We all ready have the capability of a protocol to receive "mail" delivered to us from NIC. What we would like to see is the capability for us to go to the post office, so to speak, and pick up our mail ourselves.

1b

The reasons are as follows: ANTS is not ready for the full mailbox protocol yet and wont be for several months. Also, TIPS may have difficulty using this service. If we can "pickup" our own mail, by connecting to a special socket such as 9, for instance, and thereby, get any "mail" marked for delivery to us, we could benefit from this capability much sooner and in some cases, possibly at all.

1c

Mary S. Church
Augmentation Research Center
Stanford Research Institute
Menlo Park, California 94025

To:
Access Copy

9492

Ident System Meeting

A meeting was held on 2 March (or thereabouts) to discuss the future of the ident system now that I'm abandoning it. Attending were Walter Bass, Charles Irby, Dick Watson, Jeanne North, and me. These notes are what I understood we agreed on.

1

Walt Bass will take over maintenance/extension of the ident system.

2

There needs to be some sort of protection, so someone can't inadvertently (or mischievously) change identification information. Two features are needed to implement this facility:

3

Only certain users will be permitted to change ident records:

3a

A coordinator may change information in the groups/affiliates he coordinates.

3a1

An individual may change his own ident record,

3a2

Ident system "wheels" can change anything.

3a3

A "capabilities" field will be added to the ident record. Initially, at least, someone will be either a "wheel", or a nobody. "Wheels" can change any ident information for anyone; "nobodies" can only change their own ident information or that of groups they coordinate. Only wheels can make other wheels.

3b

We need to be able to delete people from the ident system, but still keep track of their status when they were removed from the system. Old idents released when people leave should not be reassigned, so there won't be any ambiguity when making catalogues or doing other sorts of searches on idents.

4

The command to delete an ident is available only to wheels.

4a

When someone is deleted, his ident record should be moved to another file that contains nothing but these old ident records.

4b

A list of deleted idents must be maintained in IDENTFILE. This list should be consulted whenever a new ident is to be assigned, to make sure it has never been used.

4c

Currently the `get` and `set` procedures used in IDLIBE take string addresses as arguments. They should take pointers to t-pointers.

5

There needs to be some way of making "directories" of people and groups in the ident system. For example, we need to be able to

Ident System Meeting

generate a list of all groups that are active in the network as a whole, omitting any whose scope and membership is local to a particular installation. Nothing was decided or designed relevant to this problem.

6

A later conversation with Jeanne North prompted this proposal. Cindy and Barbara need to be able to check on changes people make to the ident information. We can help them by adding a new group, analogous to NEWIDS. An ident would be added to the membership list of this group whenever it (the ident) is modified. The membership list of this group (and thus modifications to the ident file) could be monitored in the same way NEWIDS is monitored.

7

MSC 10-MAR-72 2:16 9492

Ident System Meeting

(J9492) 10-MAR-72 2:16; Title: Author(s): Mary S. Church/MSC;
Distribution: Jeanne B. North, Richard W. Watson, Charles H. Irby,
Walter L. Bass, William S. Duvall/JBN RWW CHI WLB WSD; Sub-Collections:
NIC; Clerk: MSC;

Ed K. Van De Riet
Augmentation Research Center
Stanford Research Institute
Menlo Park, California 94025

To:
Access Copy

9493

EKV 10-MAR-72 10:31 9493

Soft DRUM ERROR Print-out SPECS.

(J9493) 10-MAR-72 10:31; Title: Author(s): Ed K. Van De Riet/EKV;
Distribution: Kenneth E. Victor/KEV; Sub-Collections: SRI-ARC; Clerk:
PL;

EKV 10-MAR-72 10:31 9493

Soft DRUM ERROR Print-out SPECS.

Soft DRUM ERROR Print-out DRM-ERR-UNIVAC or BRYANT-SOFT-
TRYS-PAR-CHKFLD-DRM# , BAND# , SECTOR#

1

Wil E. Jernigan
Augmentation Research Center
Stanford Research Institute
Menlo Park, California 94025

To:
Access Copy

9494

MEJ 10-MAR-72 11:03 9494

Information of March NIC TNLS Class

(J9494) 10-MAR-72 11:03; Title: Author(s): Mil E. Jernigan/MEJ;
Distribution: Richard W. Watson, Dirk H. van Nouhuys, Barbara E. Row,
Cindy Page/RWW DVN BER CXP; Sub-Collections: SRI-ARC; Clerk: MEJ;
Origin: <JERNIGAN>NIC-CLASS-INFO.NLS;1, 10-MAR-72 8:44 MEJ ;

Information of March NIC TNLS Class

Additional information for the March 16-17, 1972 NIC TNLS class: 1

ARPA 1a

Name, address for ARPA registrants
Lt. Col. John S. Perry
Advanced Research Projects Agency/IPT
1400 Wilson Boulevard
Arlington, Virginia 22209
Phone: (202)694-5051

Better phone number for Pam J. Klotz is (202)694-5037. 1a1

Dirk H. van Nieuhuys
Augmentation Research Center
Stanford Research Institute
Menlo Park, California 94025

To:
Access Copy

9495

DVN 10-MAR-72 16:13 9495

A Presentation, not a Demonstration, of the NIC to NASA/AMES.

(J9495) 10-MAR-72 16:13; Title: Author(s): Dirk H. van Nouhuys/DVN;
Distribution: Richard W. Watson, Douglas C. Engelbart, John T. Melvin,
James C. Norton, Harvey G. Lehtman, Jim B. Dolkas/RWW DCE JTM JCN HGL
JBD; Sub-Collections: SRI-ARC; Clerk: PL;
Origin: <LISTER>PL.NLS;93, 10-MAR-72 1:09 XXX ;

A Presentation, not a Demonstration, of the NIC to NASA/AMES.

(author) Journal documents authored

1

SRI-ARC 16-FEB-72 14:47 9121
 Baseline Task Views -- All 16 February 1972
 Location: (GJOURNAL, 9121, 1:w)
 ****Note: Author Copy****

1a

OAK 26-JAN-72 17:02 8668

Message: The Oak POD held its first meeting from 1400 - 1615 in JimNorton's office on 26 Jan 1972. Walt Bass and Dave Hopper were chosen to represent the Oak POD on PODCOM, and a regular meeting time of 3:00 PM Wednesday afternoons was agreed upon.

****Note: Author Copy****

1b

SRI-ARC 26-JAN-72 11:50 8628
 26 January 1972 - Baseline Task Views -- Per Person
 Location: (Journal, 8628, 1:w)
 ****Note: Author Copy****

1c

SRI-ARC 26-JAN-72 11:11 8627
 26 January 1971 - Baseline Task Views -- All
 Location: (Journal, 8627, 1:w)
 ****Note: Author Copy****

1d

SRI-ARC 21-JAN-72 9:35 8600
 19 January 1972 Baseline Task Views -- Per Person
 Location: (Journal, 8600, 1:w)
 ****Note: Author Copy****

1e

SRI-ARC 21-JAN-72 9:17 8597
 19 January 1972 Baseline Task Views -- ALL
 Location: (Journal, 8597, 1:w)
 ****Note: Author Copy****

1f

(Jauthored) Journal Documents (most recent first)

2

MFA 20-JAN-72 16:44 8584
 Current Folklore Branch of <NLS>STATUS with New System Changes
 Location: (Journal, 8584, 1:w)

2a

SRI-ARC 17-JAN-72 16:33 8521
 1-12-71 Baseline Task Views -- Per Person
 Location: (Journal, 8521, 1:w)

A Presentation, not a Demonstration, of the NIC to NASA/AMES.

Note: Author Copy

2b

SRI-ARC 17-JAN-72 16:18 8520
1-12-72 Baseline Task Views -- All
Location: (Journal, 8520, 1:w)

Note: Author Copy

**2c

SRI-ARC JCN 17-JAN-72 8:49 7888
ARC JOURNAL INDEX BY TITLEWORD (PDP-10 entries only)
Location: (Journal, 7888, 1:w)

Note: Author Copy

2d

SRI-ARC JCN 17-JAN-72 8:35 7887
ARC JOURNAL INDEX BY AUTHOR (PDP-10 entries only)
Location: (Journal, 7887, 1:w)

Note: Author Copy

2e

SRI-ARC JCN 17-JAN-72 8:25 7886
ARC JOURNAL INDEX BY NUMBER (PDP-10 Entries only)
Location: (Journal, 7886, 1:w)

Note: Author Copy

2f

this is a test

3

(Journal) Journal Documents (most recent first)

4

MDK 9-MAR-72 15:04 9487
REDWOOD POD Minutes March 7,1972
Location: (GJOURNAL, 9487, 1:w)

4a

ESRI-ARC 8-MAR-72 10:45 9391
ARC New Document Bulletin No. 1
Location: (GJOURNAL, 9391, 1:w)

4b

KEV 7-MAR-72 16:22 9446
program communication flags
Location: (GJOURNAL, 9446, 1:w)

4c

EMC 5-MAR-72 12:44 9381
Weekday System Usage Schedule -- effective 8-MAR-72

A Presentation, not a Demonstration, of the NIC to NASA/AMES.

Location: (GJOURNAL, 9381, 1:w)

4d

BLP 2-MAR-72 13:00 9354

Communique from the Cedar 9, containing two OFFICIAL SUGGESTIONS

Location: (GJOURNAL, 9354, 1:w)

4e

BLP 2-MAR-72 12:57 9353

PODCom Minutes of 29 February

Location: (GJOURNAL, 9353, 1:w)

4f

CHI 2-MAR-72 10:52 9351

Second Proposal for NLS Command Language Changes

Location: (GJOURNAL, 9351, 1:w)

4g

Comments: Meeting to discuss these changes will be on Tuesday, 7-March-72 at 9:00.

4g1

JBN 1-MAR-72 12:53 9340

Selecting Report Publications from USGRA

Message: To implement the procedure established for selection by ARC members of new publications for NIC and all of ARC, the USGRA (United States Government Reports Announcements) will be circulated to allow interested members to mark abstracts of publications they recommend for purchase. If you want to be on the regular routing list to see USGRA and similar announcements, see JBN.

4h

WSD 28-FEB-72 9:18 9310

Response to Login Message Change

Message: Ken....I think that a command which would be cause the login message to be typed (Make it one which may be used without login) would be extremely useful. Given this command, I think that the one-time shot of the login message is ok....WSD

4i

EMC 28-FEB-72 7:48 8928

EMC 14 Feb 72 Meeting Notes

Location: (GJOURNAL, 8928, 1:w)

4j

KEV 25-FEB-72 15:11 9301

A Presentation, not a Demonstration, of the NIC to NASA/AMES.

Comments on 8957

Message: How does this program differ from the output to file subcommand of the exec dir command?

4k

CHI 24-FEB-72 17:16 9268
New groups in the IDENT system
Location: (GJOURNAL, 9268, 1:w)

4l

KEV 24-FEB-72 16:40 9194
Comments about the LOGIN Message
Message: Currently we see the LOGIN message at least once a day.
I suggest changing this so that you only see each LOGIN message once.
Please give comments to me or JTM -- KEV.

4m

KEV 24-FEB-72 14:37 9265
comments on l10 macros
Message: why not expand macro facility to include parametric substitutions?

4n

WSD 24-FEB-72 9:05 9256
Redowwd POD Notes: 22FEB
Location: (GJOURNAL, 9256, 1:w)

4o

WSD 23-FEB-72 20:13 9254
Primitive Text Macro Expander
Location: (GJOURNAL, 9254, 1:w)

4p

DRC 23-FEB-72 15:33 9248
ARC TELEPHONE/MESSAGE SERVICE
Location: (GJOURNAL, 9248, 1:w)

4q

WSD 22-FEB-72 16:36 9245
Redwood Pod Notes...Feb 22
Location: (GJOURNAL, 9245, 1:w)

4r

KEV 22-FEB-72 16:15 9244
more comments on podac

A Presentation, not a Demonstration, of the NIC to NASA/AMES.

Location: (GJOURNAL, 9244, 1:w)

4s

MEJ 22-FEB-72 8:13 9239
Fir POD Meeting, 9 Feb 1972
Location: (GJOURNAL, 9239, 1:w)

4t

RLD 18-FEB-72 15:45 9233
redwood minutes of 15 feb 72
Location: (GJOURNAL, 9233, 1:w)

4u

DVN 18-FEB-72 10:45 9229
Oak POD Meeting:Duration
Location: (GJOURNAL, 9229, 1:w)

4v

JTM 18-FEB-72 2:53 9222
EXEC 1.32.04 features
Location: (GJOURNAL, 9222, 1:w)

4w

WLB 17-FEB-72 19:24 9220
Some Thoughts on PODAC
Location: (GJOURNAL, 9220, 1:w)

4x

Comments: This is in part a reply to Cedar POD's last
"Communique" (9200) and Bruce's suggestion that the PODs
send delegates to EMC meetings (9201).
Master Copy Printed by WRF
Access Copy Printed by WRF

4x1

HGL 17-FEB-72 14:43 9213
NEW NLS RISES FROM THE PIT
Message: A new version of NLS came up today. Additions were
made to DEX, bugs were fixed in the Journal and Goto Programs
subsystems. These and other changes are documented in (nls,
status, running).--- HGL

4y

RWW 17-FEB-72 11:26 9209
Conversation with Tom Pyke of NBS about Network Future
Message: Tom Pyke of the National Bureau of Standards called
to talk about where I thought the NIC was and what possible
futures it might have. NBS has been asked by ARPA to consider
running the Network for the next couple of years starting 1973

A Presentation, not a Demonstration, of the NIC to NASA/AMES.

and NBS is studying the possibility. They are predicting over 100 nodes being added in the next couple of years. I told him there were several possibilities such as staying in ARC, eventually moving to the Network Operating company, being independent etc. I told him we considered the NIC had a lot of development yet to go and we expected to be running it for several years to come, but that we probably would prefer to buy expanded computer power from some utility like Tymshare rather than running hundreds of machines here. NBS isn'T sure it wants such a huge job as running the network, but are giving it a serious look.

4z

DCW 16-FEB-72 19:05 9202
 update to disk allocation/restriction writeup- 8758
 Location: (GJOURNAL, 9202, 1:w)

4a*

BLP 16-FEB-72 18:24 9201
 Suggestion for POD Delegates to Meet with ECM
 Location: (GJOURNAL, 9201, 1:w)

4aa

BLP 16-FEB-72 18:00 9200
 Communique from the Cedar 9 -- 16 February 1972
 Location: (GJOURNAL, 9200, 1:w)

4ab

DCW 16-FEB-72 16:30 9197
 ON GETTING FROM HERE TO WHERE?
 Location: (GJOURNAL, 9197, 1:w)

4ac

BLP 16-FEB-72 16:21 9196
 Suggestion to Delete Executer Content-analyzer Command
 Location: (GJOURNAL, 9196, 1:w)

4ad

DVN 16-FEB-72 11:13 9147
 Towards refining the definition of a link
 Location: (GJOURNAL, 9147, 1:w)

4ae

DVN 16-FEB-72 11:06 9146
 Towards refining the definition of a link
 Location: (GJOURNAL, 9146, 1:w)

4af

A Presentation, not a Demonstration, of the NIC to NASA/AMES.

- DVN 16-FEB-72 11:06 9146
Towards refining the definition of a link
Location: (GJOURNAL, 9146, 1:w) 4ag
- MDK 11-FEB-72 17:28 9068
Thoughts Deriving From the XEROX Research Proposal
Location: (GJOURNAL,9068,0:gw)
****Note: (Secondary Distribution Copy)**** 4ah
- HGL 15-FEB-72 14:53 9133
DEX-1 Initialization-- Case Shifts from TIs with Cassettes Permitted
Location: (GJOURNAL, 9133, 1:w) 4ai
- Comments: This message refers to the next version of NLS to be brought up later this week. The change is currently in the <Nic-nls> and <rel-nls>versions. 4ail
- CHI 15-FEB-72 13:50 9130
Suggested Schedule for the Use of the System
Location: (GJOURNAL, 9130, 1:w) 4aj
- EMC 14-FEB-72 14:57 8927
EMC 7 Feb and 10 Feb Meeting Notes (JCN)
Location: (GJOURNAL, 8927, 1:w) 4ak
- MFA 14-FEB-72 14:05 9070
Redwood Pod Notes - 10 Feb 72
Location: (GJOURNAL, 9070, 1:w) 4al
- MSC 10-FEB-72 14:23 9017
A comment on secrecy
Location: (fjournal, 9017, 1:w) 4am
- MSC 10-FEB-72 11:23 8965
More on old versions of NLS files
Location: (fjournal, 8965, 1:w) 4an
- BLP 9-FEB-72 19:41 8960
Communique from the Cedar 9 -- 9 Feb. 1972

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Location: (FJOURNAL, 8960, 1:w)

4ao

LLL 9-FEB-72 16:49 8955

MESSAGE TO ALL ARC REGARDING SIGN-OUT FOR TERMINALS.

Location: (FJOURNAL, 8955, 1:w)

4ap

WHP CHI 9-FEB-72 16:13 8953

EXEC LOGIN command to start NLS automatically:

Message: We suggest that the "LOGIN" command be changed in the EXEC to automatically start NLS unless a "DONT-START-NLS" command has been previously issued. If we hear no negative comments by the beginning of next week, we will suggest that this change be implemented. Thanks. -- WHP, CHI

4aq

MSC 9-FEB-72 11:02 8939

Fir POD minutes -- 1 Feb

Location: (FJOURNAL, 8939, 1:w)

4ar

KEV 8-FEB-72 17:55 8932

more comments on line printer stacking

Location: (FJOURNAL, 8932, 1:w)

4as

WLB 8-FEB-72 16:10 8930

Another Proposal for Handling Old Versions of NLS Files

Message: Ken and I rapped about the Old Versions problem and came up with the following proposal:

(1) NLS would maintain only one active version of each file; after an Update or Output File to a new version, the extension of the old version would be changed from "NLS" to something like "DEL" (for deleted). This way all versions which have been active during a given day would be available for use, and if they were known to be needed subsequently they could be renamed appropriately.

(2) The "DEL" files would be dumped in the normal manner. At the end of the dump, the operator would give a "DELETE <*>*.DEL;*" command to the EXEC to delete all files in the system with extension "DEL" and would then run DELD to expunge all directories. This operator procedure can be programmed into the dumper if it proves satisfactory after a trial period.

A Presentation, not a Demonstration, of the NIC to NASA/AMES.

Please let us know how you feel about this proposal. If you have any further suggestions for possible file system laxatives, please send them along as well. Thanks

4at

KEV 8-FEB-72 13:27 8922

Further Comments About Only Keeping One Version of NLS Files Around

Message: Expunges are not done automatically at logout time (we took that out ages ago).

Deleted files are not dumped.

KEV

4au

WSD 8-FEB-72 11:30 8917

Alternative algorithm for printer queueing
Location: (PJOURNAL, 8917, 1:w)

4av

WLB 8-FEB-72 9:31 8915

Reply to 8747 on Old Versions of NLS Files

Message: Mimi -- I'm in favor of retaining only the highest version number of an NLS file following an update/output file but feel a need for some additional backup capability to compensate for the loss involved (and to provide better backup than we have now). My suggestion: change the EXEC so that the automatic expunge occurs after the evening dump rather than when each user logs out (if the dumper does not presently dump deleted files, then that should be changed also). By following this procedure a user would be guaranteed a fairly-easily-retrievable record of each day's total work which would give him much more assurance that he is not going to lose work which (by accident) appears only in a version of a file which never got dumped.

4aw

JTM 7-FEB-72 18:21 8910

Re Lineprinter and Spooling

Message: BBN apparently has a nice printer program, etc. in the new system (1.29) that is apparently based on a space-time criterion for line printer spooling, etc. I suggest we check this out before doing anything here.

4ax

KEV 7-FEB-72 16:52 8909

reply to a poor babysitting sap

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Message: the printer should not require babysitting, there are hardware devices available to make it stack properly and we should have one

4ay

KEV 7-FEB-72 16:35 8908

reply to wlb about printer program pimping certain people
 Message: it would be possible (at the cost of increased overhead in the printer job) to print items in the order in which they are created in the <printer> directory. i consider this a reasonable request and unless i hear otherwise within a few days (for example, this thursday 2/20) will see to implementing such a scheme.

4az

JTM 7-FEB-72 13:39 8904

Reply to WSD about EXEC 1.32.03
 Location: (FJOURNAL, 8904, 1:w)

4b*

SEMC JCN 7-FEB-72 12:16 8716

EMC 3 FEB 72 Meeting Notes
 Location: (FJOURNAL, 8716, 1:w)

4ba

CHI 7-FEB-72 10:23 8801

EMC Meeting Notes -- 31-JAN
 Location: (FJOURNAL, 8801, 1:w)

4bb

JTM 6-FEB-72 23:27 8798

Exec 1.32.03
 Location: (FJOURNAL, 8798, 1:w)

4bc

CHI 4-FEB-72 16:08 8793

Notes on CIRAD visit
 Location: (FJOURNAL, 8793, 1:w)

4bd

WLB 4-FEB-72 15:21 8792

Printer Etiquette
 Message: Some people -- I'm not pointing the accusing finger at anyone in particular as we are all guilty occasionally -- have the nasty habit of initiating the printing of long (i.e., 50, 100, or more pages) documents on the line printer without checking to see how the job is going. This leaves other

A Presentation, not a Demonstration, of the NIC to NASA/AMES.

people to clear up paper jams, reload paper into the printer, and cool their heels while waiting for short proof copies which they have a right to expect short turn around time on. It seems that if a big print job is not important enough to an individual for him to babysit the printer while waiting for it, it certainly isn't important enough to the poor sap who gets the baby dumped in his lap, and the job should be deferred until a non-busy time of the day -- or at least other people should be warned that the printer is going to be unavailable for a indeterminate length of time. Thanks -- a poor sap

4be

KEV 4-FEB-72 9:26 8789
STRMT ERROR

Message: The error number for the STRXI error return from the STRMT jsys (set terminal type) is now 600754.

4bf

KEV 3-FEB-72 13:18 8782
atljb - new jsys
Location: (FJOURNAL, 8782, 1:w)

4bg

RWW 3-FEB-72 10:58 8778
Some Questions for ARC
Location: (FJOURNAL, 8778, 1:w)

4bh

BLP 3-FEB-72 10:41 8777

Message: The Output Processor Rides Again
A new Output Processor will be brought up Monday noon.
Please let me (BLP) know of any problems.

4bi

KEV 3-FEB-72 10:17 8776
clean tables
Message: it would be nice if when people are finished using displays they would remove their junk from the adjoining worktable. thus when a new user comes to the station he can have a work area

4bj

JCN 3-FEB-72 5:49 8774
New ARC Journal Indices Note to ARC (to 28 JCN 72)
Message: We now have an up-to-date (as of 28 JAN 72) set of

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ARC JOURNAL INDICES.
 by number: (8713,)
 by author: (8714,)
 by titleword: (8715,)

We are working on a procedure for making weekly (maybe daily?) update indices - for quick reference to new items either on or off-line. One such is in (8696,). The catalog production update system WLB is completing will allow us to keep current. We also plan to add the author's name to the titleword index soon as has been suggested by several people. Any other ideas for improvement of the format, index set, or the process are welcome.

4bk

BLP 2-FEB-72 22:49 8773
 Communique from the Cedar 9 -- 2 Feb.
 Location: (FJOURNAL, 8773, 1:w)

4bl

DIA 2-FEB-72 11:00 8761
 the system as seen by superwatch, etc.
 Location: (Journal, 8761, 1:w)

4bm

DCW 2-FEB-72 9:18 8758
 disk space allocation/restriction in tenx
 Location: (Journal, 8758, 1:w)

4bn

MSC 1-FEB-72 10:29 8747
 Old versions of NLS files.
 Location: (Journal, 8747, 1:w)

4bo

DCW 31-JAN-72 18:33 8739
 system disc file allocation
 Location: (Journal, 8739, 1:w)

4bp

BLP 31-JAN-72 16:28 8735
 PODCOM
 Location: (Journal, 8735, 1:w)

4bq

BLP 29-JAN-72 4:53 8717
 Communique from the Cedar 9 -- 26 Jan
 Location: (Journal, 8717, 1:w)

4br

EMC CHI 28-JAN-72 12:23 8707
 EMC Meeting Notes 17-JAN to 27-JAN
 Location: (Journal, 8707, 1:w)

4bs

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WRF 28-JAN-72 2:18 8692
FIR POD Meeting Notes
Location: (FJOURNAL, 8692, 1:w)

4bt

DIA 27-JAN-72 13:51 8685
concerning times for POD meetings
Message: It is clear that, so far as our use of the system is
concerned, no two POD meetings should occur at the same time.
Perhaps we can put the POD meeting times on the activities
chart...

4bu

RWW MSC 26-JAN-72 17:04 8669
Meeting between ARC and TYMSHARE
Location: (Journal, 8669, 1:w)

4bv

WLB 25-JAN-72 16:36 8650
Peas Come to Your First POD Meeting
Message: The first meeting of the Oak POD (Acorn?) will be
held in Jim Norton's Office at 1:00 PM Wednesday 26 Jan 72.

4bw

DIA 25-JAN-72 13:50 8649
all about superwatch
Location: (Journal, 8649, 1:w)

4bx

CHI WLH 24-JAN-72 15:45 8642
Message: The meeting called for in (Journal, 8614, 1) has been
changed to an all-ARC meeting to discuss and launch mechanisms
for dealing with questions of organizational and personal
development. Everyone is encouraged to come prepared for
active participation in this important meeting.

4by

RWW 24-JAN-72 10:44 8634
Some Background on Pressures Existing on ARC
Location: (Journal, 8634, 1:w)

4bz

HGL 20-JAN-72 14:39 8580
REWARDING JOBS WELL DONE
Message: I just read DCW's comments concerning WRF and I most
certainly agree. (Journal, 8575, 1:w) Along the same line, I
think it would be a good idea to reward those who are doing
exceptionally good jobs (at least with some positive feedback)
sooner than the yearly salary review. Bill has taken all
sorts of shitwork assignments as has Smokey and others in the
group and we should recognize these efforts.

4c*

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DCW 20-JAN-72 12:58 8575
 some comments on our operator
 Location: (Journal, 8575, 1:w) 4ca

WLB 19-JAN-72 15:27 8571
 Notes on Software Group Meeting of 18 January 1972
 Location: (Journal, 8571, 1:w) 4cb

DVN 18-JAN-72 15:58 8542
 Output Processor Directives; Notice of a Tutorial File
 Location: (Journal, 8542, 1:w) 4cc

WRF 18-JAN-72 13:57 8537
 Comments on Dump and Bad Files
 Location: (Journal, 8537, 1:w) 4cd

MSC 17-JAN-72 15:50 8519
 DDT-resistant NLS bugs
 Location: (Journal, 8519, 1:w) 4ce

CHI 17-JAN-72 8:52 8513
 EMC Meeting Notes 6-JAN, 11-JAN, 13-JAN
 Location: (Journal, 8513, 1:w) 4cf

RWW 13-JAN-72 6:43 8434
 Demonstration of NLS by Network People to Various Dignitaries
 Message: Yesterday Jan. 12, NBS demonstrated the network and
 our system to the secretary of commerce and some visiting
 Russian dignitaries, today MITRE is demonstrating the network
 and our system to other government officials. We can expect
 more of this type of thing as time goes on and this increases
 the pressure on us to be reliable both because our reputation
 is at stake and because these demonstrations are improtant to
 those people giving them. 4cg

RWW 13-JAN-72 6:26 8429
 Some Random Thoughts on Reliability and Capacity
 Location: (Journal, 8429, 1:w) 4ch

MFA HGL JBN 11-JAN-72 17:08 8428
 PSO is alive and twitching
 Location: (Journal, 8428, 1:w) 4ci

MFA BLP 10-JAN-72 18:02 8422
 Redesign and Maintenance of <nls>status
 Location: (Journal, 8422, 1:w) 4cj

EMC 10-JAN-72 9:53 7701

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On SRI and ARC Working Hours
 Location: (Journal, 7701, 1:w)

4ck

CHI 7-JAN-72 18:08 8407
 EMC meeting notes 6-jan-72
 Location: (Journal, 8407, 1:w)

4cl

CHI 7-JAN-72 16:18 8403
 EMC meeting notes 4-Jan-72
 Location: (Journal, 8403, 1:w)

4cm

CHI 7-JAN-72 13:51 8401
 Software Team Proposal Accepted

Message: Since all of the feedback I have received with regard to the software teams proposal (journal, 8339,) has been positive, I feel that the proposal has been accepted and should be put into effect immediately.

If anyone has questions or feels there is a need to have a meeting to discuss implementation details please communicate this to me as soon as is reasonable. I feel that the teams suggested in (journal, 8339,) should meet together and discuss the work to be done and how it will be distributed among the team members. The pushers should feel responsible for getting this interaction started. -- Charles

4cn

BLP 5-JAN-72 21:27 8370

Message: Minor announcements about the Baseline --

Please turn your weekly Baseline printouts back into Barbara rather than BLP

They are due at 5:00 PM on the day after they are recieved (except this week's which are due 1:00 PM Thursday because poor Barbara is teething).

Henceforward each weeks' Baseline printout stuff will be stuck on the bulletin board in the front of the consol area for your enlightenment.

4co

DCW 3-JAN-72 15:25 8363

Message: there is a new version of teco now available as the standard <subsys> version

when you output a file via ";u" a header line of the form <directory>file.ext;ver da-mo-yr hh:mm EDITED BY "login directory"

will be output as the 1st line of the file. this line is treated as

a macro or fail comment and is preceded by a semicolon ";".

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subsequent edits will create this line leaving an
audit trail of edits to a specific file... smokey....

4cp

DCW 3-JAN-72 11:57 8362

Message:

4cq

CHI 29-DEC-71 18:34 8339
A proposal to establish software teams
Location: (Journal, 8339, 1:w)

4cr

HGL 27-DEC-71 13:13 8307
NEW NLS
Location: (Journal, 8307, 1:w)

4cs

DVN 27-DEC-71 9:25 8299
A catalog Maker's Diary
Location: (Journal, 8299, 1:w)

4ct

BLP 21-DEC-71 17:47 8297
Reply to 8179 -- Toward a More Consistent Command Language in
NLS
Location: (Journal, 8297, 1:w)

4cu

KEV 21-DEC-71 10:32 8293
new jsys - strmt
Location: (Journal, 8293, 1:w)

4cv

RLD 16-DEC-71 11:40 8229
an exercize sample.
Message: dear dick,
if things are working, you'll get this letter.

4cw

PL 16-DEC-71 11:40 8228
message number 1
Message: the system is encouraging

4cx

have you heard the story about one man's personal hell? it
involves a
chute through which he falls and ends up in a mundane room with
two very
middle class looking people playing terribly mundane songs on a
piano in
annoyingly bland voices. such is the state of this concept of
hell: one
supposedly "hip" (this hrrr

5

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(anyway, this brings us to whatever the correct definition of "hip" really is. . .) guy who cannot stand the idea of spending the rest of eternity with two middle class and mundane people. . .end.

5a

(this is actually supposed to really be what hell is--in this case it is this particular room for this particular guy-- it is something like sartre's "no exit" but tends to have a bit more humor to it than sartre's. . .)i suddenly felt the need for further explanation since upon re-reading this message i wasn't sure that it was making any sense . . . this then is my explanation for this explanation. . .

5a1

the overworked use of mundane is designed to be expressive of that very word. . .

5b

this seems to have finally worked. . .

6

now is the time for all good dogs to bark

7

people to come to the aid

7a

except who want today to come for the rest

7b

unless it's not ready for it

7c

you should attempt new things

8

even if it seems hard

8a

try anything once

8b

then do it again

9

what time is it right now i wonder?

10

now everything is where i want it

11

Here is an on line paper advancer

12

A Presentation, not a Demonstration, of the NIC to NASA/AMES.

["Lores"/"pottos"];	13
some junk (nic,locator,2:x)	14
(nic, locator, 1*xm)	15
(nic, locator, 1:xm)	16

EMC NOTES 6-MARCH-72

The ARC EMC met 6 March with CHI, JCN, RWW and EKV present.	1
Topics discussed;	1a
Hardware procurement	1a1
Proposal status	1a2
Diane Kay's use of AMES TIP	1a3
Rand visit	1a4
Naval Undersea Lab Visit	1a5
Space	1a6
Bob Metcalfe Interview	1a7
Seminars	1a8
Final Report	1a9
Hardware Condition.	1a10
HARDWARE PROCUREMENT	1b
Disk Packs	1b1
Our purchasing says "It is a fact that they have been shipped".	1b1a
DEC salesman says "I will be hearing from the factory momentarily".	1b1b
ME-10 MEMORY	1b2
This is part of renegotiation of DEC Lease which is about completed, but DEC has started the process on faith and has given us a May 8 delivery date.	1b2a
Estimated time for placing order - March 10, 1972.	1b2b
BBN Network Interface	1b3
Delivery Date - June 1, 1972	1b3a
Line Printer Stacker.	1b4

EMC NOTES 6-MARCH-72

Purchase request has been submitted to PSO on 3-8-72	1b4a
Remote Pager Beeper	1b5
Delivered to Ken Victor 3-8-72.	1b5a
Proceedures are being set up by Bill Ferguson.	1b5b
XCORE Parity Checker	1b6
Undergoing one week modification. Estimated operational 3-22-72.	1b6a
PROPOSAL STATUS	1c
ONR - \$40K - Delivered and accepted Technically	1c1
ROME - \$75K - For us to purchase for them; 3 IMLACS, 4 Execuports and 4 termicettes being negotiated.	1c2
ROME - \$75K - For our costs to work with them. Technically accepted.	1c3
ARPA - \$300K - For 3 months extension to present contract. Officially accepted.	1c4
ARPA - \$2.3M - For new 21 month contract. In final stages of negotiation.	1c5
DIANE KAY'S USE OF AMES TIP	1d
It would be worthwhile for ARC to have some of its people gain some experience working over the network. It would be a convenience for Diane to work from home through the AMES TIP now and then. We are in the process of getting permission from AMES. We should have an answer in a day or two. Unofficial word is that there should be no problem.	1d1
TYM-SHARE AND ARPA	1e
RWW is going to have another in a series of exploratory meetings with TYM-SHARE to discuss the following possibilities for their providing service to us and the Network:	1e1
1. Provide NLS over the Network	1e1a

EMC NOTES 6-MARCH-72

2. Provide us with computer service as an alternative to continuing to have our own hardware. 1e1b
3. Provide all the maintenance for our hardware. 1e1c
4. Any and all other network topics of interest to them or us. 1e1d

RAND VISIT 1f

Rod Fredrickson from RAND was up here 3-8-72 talking to RWW, CHI and KEV about the possibility of getting NLS on their machine. Nothing definitive yet. 1f1

NAVAL UNDERSEAS LAB VISIT 1g

Jerry Shanger from the Naval Underseas Lab in San Diego will visit us on Friday, 10 March JCN will look after him. 1g1

SPACE 1h

DHV is coordinatng the remodling and musical chairs that goes along with it. 1h1

METCALFE INTERVIEW 2

Bob Metcalfe, PhD from Harvard (worked with Licklider at MIT) was interviewed on 3-9-72. No further information at this time. 2a

SEMINARS 3

CHI is going to look into getting some more seminars going. 3a

FINAL REPORT 4

Final report to ARPA is due in June. JCN will pull together a team to take care of it. 4a

HARDWARE CONDITION 5

1. Bryant Drum is back in operation. 5a
2. Line printer is back in full operation. 5b
3. Display controllers may or not still be flacky. Some troubles have been fixed. 5c

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- 4. XCORE may or may not be flaky. (Won't fail with diagnostics) 5d
- 5. UNIVAC Drum diagnostics work will start now. 5e
- 6. We are runing 5 consoles per tasker unit. 5f

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(J9496) 10-MAR-72 16:43; Title: Author(s): Ed K. Van De Riet/EKV;
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Origin: <LANE>VANDEREIT-EMC.NLS;3, 1-MAR-72 13:16 LLL ; ;