

BAH 11-MAY-73 15:24 16370

SRI-ARC SYSTEM USE BY NETWORK USERS FOR APRIL 1973

This is a copy of the report submitted via sendmessage to Bert
Sutherland at BBN Tuesday, May 8. -bah

SRI-ARC SYSTEM USE BY NETWORK USERS FOR APRIL 1973

1	SRI-ARC SYSTEM USE BY NETWORK USERS FOR APRIL 1973				1
2	COMPILED AND SUBMITTED BY Jim Norton and Beau Hardeman				2
3					3
4	NETWORK USERS (except RADC):		APRIL		4
4a		CPU USED	CONNECTED	APRIL VALUE (\$)	4a
5	User	hr:min:sec	hr:min:sec	(see below)	5
6	ALOHA	0:12:51	10:10:14	86	6
7	AMES-ILLIAC	0: 1:33	0:55:17	10	7
8	AMES-TIP	0: 2: 1	1:35:15	13	8
9	ARGONNE	0: 1:17	0:36:55	8	9
10	ARPA	0:29:56	25: 7:25	200	10
11	BBN-NET			(357)	11
11a	BBN-NET	0:43:40	30:31:22	291	11a
11b	COSELL	0: 6:24	1:47:12	43	11b
11c	WALDEN	0: 3:28	1:15:34	23	11c
12	BBN-TENEX			(554)	12
12a	BBN-TENEX	1: 2:18	37: 9:45	415	12a
12b	CLEMENTS	0: 1: 0	0:24:45	7	12b
12c	PLUMMER	0: 7:10	7: 2: 7	48	12c
12d	THOMAS	0:11:43	12:26:57	78	12d
12e	TOMLINSON	0: 0:55	0:32:47	6	12e
13	CASE-10	0:12: 5	5: 3:38	80	13
14	CMU-10	0: 1:48	2:11:28	12	14
15	ETAC	0: 2: 3	0:42:22	14	15
16	GUEST	1:40:48	67:57:59	672	16

SRI-ARC SYSTEM USE BY NETWORK USERS FOR APRIL 1973

17 HARV-10	0: 0:14	0:15: 7	2	17
18 ILLINOIS	0:29:52	18: 5: 4	199	18
19 MITRE-TIP	3:52:32	117:25: 7	1550	19
20 MIT-AI	0: 3:41	2:56: 7	24	20
21 MIT-DMCG	0: 3:31	3:10:46	23	21
22 MIT-MULTICS	0: 8: 2	5:23:33	54	22
23 NBS-TIP	1: 0:35	41:46:17	404	23
24 NSRDC	2: 0:10	69:43:32	801	24
25 PATRICK-TIP	0:29:20	21:58: 9	196	25
26 RAND	0: 1:23	13:52:24	9	26
27 SAAC-TIP	0:31: 4	0:28:33	207	27
28 SRI			(36)	28
28a TORBETT	0: 4: 1	2: 5:29	27	28a
28b NEUMANN	0: 2:41	1:58:16	9	28b
29 SRI-AI			(18)	29
29a SIGART	0: 0:14	0:10:17	2	29a
29b SRI-AI	0: 0:26	0:30:58	3	29b
29c COLES	0: 0:22	0:20:43	2	29c
29d FIKES	0: 0:31	1: 9: 0	3	29d
29e KREMERS	0: 1:17	1:34:50	8	29e
30 SU-AI	0: 1:45	1:51:10	12	30
31 SU-HP	0:11:35	3:26:59	77	31
32 TEALWING	0: 0:34	1:22:12	4	32
33 UCLA-CCN	0: 4:20	1:39:57	29	33
34 UCLA-NMC	2:49: 0	118:44:44	1127	34

SRI-ARC SYSTEM USE BY NETWORK USERS FOR APRIL 1973

35 UCSB	2: 0:33	54:27:23	804	35
36 UCSD-CC	0: 0:18	0:30: 0	2	36
37 USC	0: 0:19	0: 3:17	2	37
38 UTAH-10	0: 0:22	0:56:25	2	38
38a	-----	-----	-----	38a
39 TOTAL	19: 0:42	691:18:42	7598	39
39a				39a
40 RADC NETWORK USERS:		APRIL		40
40a	CPU USED	CONNECTED	APRIL VALUE (\$)	40a
41 User	hr:min:sec	hr:min:sec	(see below)	41
42 BAIR	1:47:13	85: 0:42	714	42
43 BERGSTROM	1:28:55	53:12:47	593	43
44 BETHKE	0: 5: 3	5:12:34	34	44
45 CAVANO	0:18: 5	13:54:33	120	45
46 IUORNO	0:11:51	7:39: 2	79	46
47 KENNEDY	0:28:48	24:50:36	192	47
48 LAMONICA	1: 3:49	54: 0: 6	425	48
49 LAWRENCE	1:30:52	32:59:41	606	49
50 MCNAMARA	0:58: 1	37:54: 6	387	50
51 PANARA	0:27:40	10:45: 6	184	51
52 PETELL	0: 0:22	0: 4:30	2	52
53 RADC	0:39: 7	48:55:43	261	53
54 RZEPKA	0: 4:41	1:40:15	31	54
55 SLIWA	0:27:20	11: 0:19	182	55
56 STONE	2:18:24	73:57: 5	923	56

SRI-ARC SYSTEM USE BY NETWORK USERS FOR APRIL 1973

56 a	-----	-----	-----	56 a
57 TOTAL	11:48:12	461: 6: 6	4734	57
58				58
59 TOTAL USERS:		APRIL		59
59 a	CPU USED	CONNECTED	APRIL VALUE (\$)	59 a
60	hr:min:sec	hr:min:sec		60
61 NETWORK TOTAL	30:49: 0	1152:24:48	12332	61
62 LOCAL TOTAL	135:32:46	2956:49:11	54213	62
62 a	-----	-----	-----	62 a
63 TOTAL	166:21:46	4109:13:59	66545	63

SRI-ARC SYSTEM USE BY NETWORK USERS FOR APRIL 1973

63a 63a

64 COST OF NETWORK USAGE -- Factors 64

64a Our ARC PDP-10 system cost (including people support directly 64a

65 related to the provision of NLS service) is estimated at about 65

66 \$375/hour. See (15066,2e4) for further details. These costs are 66

not 66

67 billed to users, but are covered by our basic ARPA contract via 67

68 RADC. 68

68a The following procedure was used to calculate the VALUE of 68a

computer service supplied by ARC to each Network User in April:

68a1 CPU hours of usage above were multiplied by a factor of 68a1

1.05 to compensate for the cpu "loss" afforded by system

crashes. 68a1

68a2 This result was then multiplied by \$375/hour to obtain the 68a2

cost of service. 68a2

68a3 The overall result, therefore, yielded a conversion 68a3

multiplier of approximately 400 dollars/hour being applied to

each CPU hour used. 68a3

1 16370 Distribution

1a Richard W. Watson, James C. Norton, Beauregard A. Hardeman,

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1a

SRI-ARC SYSTEM USE BY NETWORK USERS FOR APRIL 1973

(J16370) 11-MAY-73 15:24; Title: Author(s): Beauregard A.
Hardeman/BAH; Distribution: /RWW JCN BAH; Sub-Collections: SRI-ARC;
Clerk: BAH;

A New Look to the Substitute Command

The Substitute command has been changed in the (<rel-nls>xnls) experimental NLS system. Try it and let's hear your opinion

A New Look to the Substitute Command

1 New Substitute Command

1

1a The parsing of the Substitute command has been changed in the experimental system (<rel-nls>xnls) for both DNLS and TNLS to be more consistent and to utilize the FROM TO sort of structuring. This change is indicative of several proposed command language changes. Try it (you may like it). The syntax of the command is now (Echoed strings are enclosed in brackets, alternatives are enclosed in parenthesis) :

1a

1a1 DNLS

1a1

1a1a S[substitute] <text entity type>

1a1a

1a1a1 <entity> [For] <entity> [Finished?] ((Yes/CA) / No) 1a1a1

1a1b [IN] <structure entity> <selection> CA

1a1b

1a2 TNLS

1a2

1a2a S[substitute]

1a2a

1a2a1 <entity> [For] <entity> [Finished?] ((Yes/CA) / No) 1a2a1

1a2b [IN] <structure entity> <address> CA

1a2b

1b Note that the Substitute <structural entity> forms in DNLS have been deleted for consistency.

1b

1 16371 Distribution

1

1a Donald C. (Smokey) Wallace, Richard W. Watson, Don I. Andrews,
James G. Mitchell, L. Peter Deutsch,

1a

1b Judy D. Cooke, Marcia Lynn Keeney, Carol B. Guilbault, Susan R.
Lee, Elizabeth K. Michael, Charles F. Dornbush, Elizabeth J. (Jake)
Feinler, Augmentation Research Handbook, Kirk E. Kelley, N. Dean
Meyer, Kay F. Byrd, Ralph Prather, James E. (Jim) White, Jacques F.
Vallee, Diane S. Kaye, Paul Rech, Michael D. Kudlick, Ferg R.
Ferguson, Linda L. Lane, Marilyn F. Auerbach, Walt Bass, Douglas C.
Engelbart, Beauregard A. Hardeman, Martin E. Hardy, J. D. Hopper,
Charles H. Irby, Mil E. Jernigan, Harvey G. Lehtman, Jeanne B. North,
James C. Norton, William H. Paxton, Jeffrey C. Peters, Jake Ratliff,
Edwin K. Van De Riet, Dirk H. Van Nouhuys, Kenneth E. (Ken) Victor 1b

A New Look to the Substitute Command

(J16371) 11-MAY-73 15:07; Title: Author(s): Charles F. Dornbush/CFD;
Distribution: /SRI-ARC JGM LPD; Sub-Collections: SRI-ARC; Clerk: CFD;

OP response

p.s. What are the plans regarding having the OP use form feeds, etc.; perhaps fork ftp for direct transmission, and generally become more versatile?

OP response

1 Thanks, re: op problem. Having page 0 not print is intentional. There is no printable text on it, just control info. This way, we don't waste a page, just to get things lined up. (Let's hear it for ecology).

Do you mean that the onto page one won't set the top margin to 1? That that will only happen on page 2? (durn.)

1

1 16372 Distribution
1a Walt Bass,

1
1a

OP response

(J16372) 11-MAY-73 12:03; Title: Author(s): David H. Crocker/DHC;
Distribution: /WLB; Sub-Collections: NIC; Clerk: DHC;

User Issues Meeting at BBN

- 1 This is a final note concerning the User Issues Meeting at BBN. 1
- 2 Bob Thomas' RSEXEC Workshop is scheduled for Monday, May 21 and it appears that it will run into Tuesday. If it does, the User meeting will be on Wednesday. 2
- 3 Otherwise, the User Meeting will be on Tuesday. So plan on a 2 or 3 day visit to BBN, beginning the 21st. 3
- 3a [There was some thought given to having the meeting on Sunday the 20th, but the number of groans made in response to that suggestion eliminated any further discussion.] 3a
- 4 Please poll those not coming for complaints and suggestions. Handouts welcome. 4
- 5 See yah. 5

1 16373 Distribution

1

**1a Steve D. Crocker, Michael A. Padlipsky, Michael D. Kudlick,
Elizabeth J. (Jake) Feinler, James E. (Jim) White, Jim O. Calvin,
John D. Day, Jean Iseli, A. Wayne Hathaway, Kenneth L. Bowles, Ronald
M. Stoughton, William W. Plummer,**

1a

User Issues Meeting at BBN

(J16373) 11-MAY-73 13:09; Title: Author(s): David H. Crocker, Nancy J. Neigus/DHC NJN; Distribution: /SDC2 MAP MDK JAKE JEW JOC DAY JI AWH KLB RMS WWP; Sub-Collections: NIC; Clerk: DHC;

re: execute Identification System Command

1

1

1 16374 Distribution
1a Thomas O'Sullivan,

1
1a

re: execute Identification System Command

(J16374) 11-MAY-73 11:43; Title: Author(s): James C. Norton/JCN;
Distribution: /TO; Sub-Collections: SRI-ARC; Clerk: JCN;

Gee Host Names and Numbers are Swell

1 The following are thoughts on the subject of host designation, prompted by Jean's (16331,1) and Jake's (16300,1).

1

2 Numeric Host Designations

2

2a A word about the terms 'site' and 'host'. I distinguish sharply between these two terms, and part of the confusion about designating hosts in the Network stems from their misuse.

2a

2a1 A host is either a computer attached to an IMP, or the terminal-handling portion of a TIP.

2a1

2a2 A site, for my money, designates an installation at which an IMP is located.

2a2

2a3 The crucial point is that hosts bear a many-to-one relation to sites, since up to four host computers can be connected to a single IMP.

2a3

2a4 I recognize that it's a hopeless task at this point to try to get everyone speaking the same language, but I suggest that maintaining that distinction in your own mind will buy you much in the long run.

2a4

2b The following three numbers used in designating ARPANET hosts appear throughout the literature:

2b

2b1 (1) IMP Number

2b1

2b1a Every IMP (and TIP) has an 'IMP number', assigned by BBN, and used by the IMPs themselves in intercommunication. IMP numbers fall in the range, decimal 0-63, and are unique within the Network.

2b1a

2b2 (2) Host Number

2b2

2b2a Each host at each IMP has a number by which it's distinguished from the zero to three other hosts attached to the same IMP. Host numbers fall in the range, decimal 0-3, and are unique within the sphere of an IMP.

2b2a

2b3 (3) Host Address or Network Address

2b3

2b3a IMP number and Host number are combined to form a Host or Network address:

2b3a

2b3a1 Host address = IMP number + decimal 64 * Host number

2b3a1

Gee Host Names and Numbers are Swell

2b3b That is, a host address can be constructed in an eight-bit field by storing the host number in the left-most two bits, and the IMP number in the right-most six bits. Given the Host address, one can readily infer both Host and IMP numbers; and given both Host and IMP numbers, one can readily infer the host address.

2b3b

2b3c Host addresses are what host systems (NCPs) use internally to designate other hosts in the Network, and are what are stored with standard host names and nicknames in the (TENEX) monitor's system tables.

2b3c

2b3d A HOST ADDRESS, EXPRESSED IN DECIMAL, IS WHAT TIPS REQUIRE OF THE USER IN CONNECTING TO ANOTHER HOST.

2b3d

2c The very existence of these three types of host designations (which appear primarily in BEN Report # 1822), and the fact that the names of these three designations are often misused, makes life much more complicated than it need be.

2c

2d I recommend that the ONLY host designations that appear ANYWHERE but in the most esoteric, low-level Network specs (such as 1822) be HOST ADDRESS and STANDARD HOST NAME. This goes then, of course, for the Resource Notebook.

2d

3 Alphameric Host Names

3

3a Standard host names, as originally defined back in '71 by Dick Watson (see -- 7837,), stand in one-to-one correspondence (forgetting nicknames) with Host addresses.

3a

3b Some comments on Jake's memo (see -- 16300,1).

3b

3b1 (1) I believe that hosts DO care what their host names are. In fact, if one peruses the early dialog on this subject, one finds it was an EXTREMELY controversial issue.

3b1

3b2 (2) I think that host names in general DO follow a fairly coherent scheme. Dick Watson's early spec (see -- 7837,1) declared that a standard host name be of the form:

3b2

3b2a <site> - <host>

3b2a

3b2b Note here that the site-host distinction is crucial.

3b2b

3b3 <Host> was to describe either a suborganization (like 'ARC' in 'SRI-ARC'), or a project, or a machine (like '67' in 'LL-67', or 'TIP' in 'MITRE-TIP').

3b3

Gee Host Names and Numbers are Swell

3b4 (3) About the suggestion that host names be:

3b4

3b4a <site> - ['T / 'U] <host address>

3b4a

3b5 The purpose of host names is specifically NOT to provide a place where 'everything needed to address a site' can be stored. Host names should be a convenient, user-oriented way of distinguishing host computers. The fact that, at the lowest level, Network software employs numbers to designate hosts, is purely an artifact of the existing implementation of the Network, and is something that the human user should NEVER see or even know about.

3b5

3b6 It's relatively simple to remember a mnemonic (like 'BBN-TENEX'), but considerably harder to remember an arbitrary number (decimal 69). If one embeds host addresses within host names, then the user must remember BOTH. That's clearly the wrong way to go.

3b6

3b7 The fact that the human user in fact DOES, in some circumstances, have to know about host addresses, is largely (if not wholly) because TIP users have to use them (rather than host names) in connecting to other hosts. This is an artifact of the TIP's current core limitations, and should not become the forcing function in ANY discussion of host naming conventions.

3b7

3b8 My personal opinion about naming conventions is that there should be none (except for some common-sense ones like imposing a reasonable upper bound on their length, and restricting them to printable, ASCII characters). It seems to me that it is perfectly appropriate for the NIC to have 'NIC' as it's official host name, if it so chooses, even though that name provides no information about the host's location or computer type. The Network is a network of resources, and, in general, the user should only have to call to mind the RESOURCE he desires, not its geographical location. I think that geographical location and machine type should more and more be suppressed whenever possible, not emphasized.

3b8

3c About Changing Host Names

3c

3c1 It seems to me necessary that a host have the option of changing its host name. If machine names are embedded in host names, then a host MUST have this option if its machine changes. The name 'MITRE-TIP' is ludicrous if MITRE replaces its TIP with a PDP-11.

3c1

3c2 I think I understand some of the unpleasant implications of

Gee Host Names and Numbers are Swell

a hostname change -- like obsoleted group names in Journal files, and a transition period during which many people don't know how to properly address that host -- but it seems necessary nonetheless.

3c2

3c3 The system CAN, I think, help out here some. For example, the Ident system can retain a record of previous names and recognize them when given by the user.

3c3

4 Keeping Track

4

4a As I'm sure Jean North can attest, it's an almost impossible job to get hold of an accurate and complete list of host names and addresses. Even if that much WERE possible, 'FNWC', for example, doesn't meaningfully identify that host to the average user (or most anyone else).

4a

4b There needs to be maintained at the NIC in its Ident file an accurate and complete list of Network hosts, containing for each:

4b

4b1 It's standard host name

4b1

4b2 It's host address

4b2

4b3 A meaningful organization name

4b3

4b4 A physical location

4b4

4b5 A telephone number

4b5

4c This list should always be exactly that set of hosts which are actually and physically attached to the Network.

4c

4d This requires cooperation from EBN and/or whoever else sees installations into and out of the Net. It requires that they contact the NIC when the status of the Net changes.

4d

4e EBN should be requested to use standard host names in Report # 1822, rather than the ad hoc and often cryptic character strings they currently employ.

4e

1 16375 Distribution

1

1a Richard W. Watson, Elizabeth J. (Jake) Feinler, L. Peter Deutsch,
Charles H. Irby, Michael D. Kudlick, Alex A. McKenzie, Jeanne B.
North,

1a

Gee Host Names and Numbers are Swell

(J16375) 11-MAY-73 09:51; Title: Author(s): James E. (Jim)
White/JEW; Distribution: /RWW JAKE LPD CHI MDK AAM JBN; Sub-Collections:
SRI-ARC; Clerk: JEW;
Origin: <WHITE>JAKEMSG.NLS;5, 11-MAY-73 09:25 JEW ;

Helping the User Keep Track of NLS Changes

1 The problem of NLS changing out from under the user has become a common one, and it's frustrating for users, especially those for whom NLS has become an important and regularly-used tool, to frequently wake up and find themselves at the mercy of a system that's radically different from the one they used the day before. I cite, in particular, the recent addition of 'A:'-like prompts throughout the command language.

1

2 It seems that the communication gap is not the result of our failing to provide documentation of NLS changes, but rather that users (including myself) just don't, for some reason, go read the documentation that's provided. I propose the following as a help.

2

3 NLS VERSION NUMBER

3

3a That NLS, like the monitor and many TENEX subsystems, identify itself with a release date and version number(s) whenever the user invokes it.

3a

3a1 These parameters should be faithfully (perhaps automatically) updated whenever a new NLS load is done or a patch made. This seems like an unobtrusive yet consistent handle by which the user can determine whether or not things have changed since he last looked.

3a1

4 AGGRESSIVE DOCUMENTATION

4

4a That a file containing, for each change made to the system, a brief (say, one line) description of the change, and a pointer to detailed documentation, be created each time an NLS load is done.

4a

4b That NLS maintain in the Ident file for each user (individual ident), the date and time he last invoked NLS.

4b

4c That each time a user enters NLS, the recorded date and time be compared to the write date of the system-change documentation file. If the user hasn't used the system since it changed, that the file be displayed for him (no override option would be available, but the file would be brief).

4c

4d NLS thus says to the user whenever appropriate, "Hey look, the following things within the system have changed since YOU last used it; if any of them seem to bear upon that subset of the system which YOU use, you'd better go read further about them."

4d

4e If the documentation file were an NLS file, 'displaying' it might consist of the system's loading it in place of the user's initial file, and, in TNLS, forcing a 'Print Plex .1' for the user. It seems to me that this would be EXTREMELY convenient for

Helping the User Keep Track of NLS Changes

the DNLS user, for whom a menu of changes would be automatically displayed. He could quickly take the links provided to obtain detailed information about changes that affect him, and then go on about his work.

4e

1 16376 Distribution

1

1a Donald C. (Smokey) Wallace, Richard W. Watson, Don I. Andrews, Nps
Np, Richard W. Watson, Charles H. Irby, 1a
1b Judy D. Cooke, Marcia Lynn Keeney, Carol B. Guilbault, Susan R.
Lee, Elizabeth K. Michael, Charles F. Dornbush, Elizabeth J. (Jake)
Feinler, Augmentation Research Handbook, Kirk E. Kelley, N. Dean
Meyer, Kay F. Byrd, Ralph Prather, James E. (Jim) White, Jacques F.
Vallee, Diane S. Kaye, Paul Rech, Michael D. Kudlick, Ferg R.
Ferguson, Linda L. Lane, Marilyn F. Auerbach, Walt Bass, Douglas C.
Engelbart, Beauregard A. Hardeman, Martin E. Hardy, J. D. Hopper,
Charles H. Irby, Mil E. Jernigan, Harvey G. Lehtman, Jeanne B. North,
James C. Norton, William H. Paxton, Jeffrey C. Peters, Jake Ratliff,
Edwin K. Van De Riet, Dirk H. Van Nouhuys, Kenneth E. (Ken) Victor 1b

Helping the User Keep Track of NLS Changes

(J16376) 11-MAY-73 13:52; Title: Author(s): James E. (Jim)
White/JEW; Distribution: /SRI-ARC NP; Sub-Collections: SRI-ARC NP;
Clerk: JEW;
Origin: <WHITE>ARCMMSG.NLS;6, 11-MAY-73 13:48 JEW ;

A Comment on NLS Testing

1 I just finished reading your note about future testing of NLS proficiency. It seems like a good idea to use for planning a refresher course or to use possibly when several people are conducting tests like the ones on NLS here and you want to have some way of comparing the results obtained by different people (do long sentences make for dull reading?). Anyway, I'm interested in this and would like to know of any other discussions or ideas along this line.

1

1 16377 Distribution
1a Dirk H. Van Nouhuys,

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1a

A Comment on NLS Testing

(J16377) 11-MAY-73 13:34; Title: Author(s): Susan R. Lee/SRL;
Distribution: /DVN; Sub-Collections: SRI-ARC; Clerk: SRL;

sur mailing list t

1 please check to see if we can add to the sur mailing list (not group)

Dr. Kenneth Wexler

Psychology Dept.

U. of Cal. Irvine

(714) 833-6335

he is doing research under ARPA funding on remedial reading for better comprehension. Some of the theory and procedures underlying SUR may prove useful to his work.

1

1 16378 Distribution
1a Marcia Lynn Keeney,

1
1a

TO 11-MAY-73 11:29 16378

sur mailing lisy t

(J16378) 11-MAY-73 11:29; Title: Author(s): Thomas O'Sullivan/TO;
Distribution: /MLK; Sub-Collections: NIC; Clerk: TO;

Part 1A of a response to NIC#16375

I I've just read Jim White's note on Host numbers and Site Idents and pretty much agree with his analysis of the subject. I should make a couple of comments relative to BBN-NET documentation of these names and numbers:

1) If you look at Appendix A of the 4/73 revision of 1822 you will see that I am trying to get out of the Ident business entirely. This is because of the constant "DEMANDS" for ident changes from a few sites such as

AFETR - PATRICK - RML

NCAR - NOAA - DOCB

SAAC - SDAC

plus the flack I began getting recently about what to call the second MIT IMP (IMP#44). 1822 serves many functions; but I don't view assigning official idents as one of them. Accordingly, I am going to try to stick to the (new) policy of using the full name of each organization rather than any acronyms whatever.

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1 16380 Distribution

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1a Richard W. Watson, Elizabeth J. (Jake) Feinler, L. Peter Deutsch,
Charles H. Irby, Michael D. Kudlick, Jeanne B. North, James E. (Jim)
White,

1a

Part 1A of a response to NIC#16375

(J16380) 14-MAY-73 06:45; Title: Author(s): Alex A. McKenzie/AAM;
Distribution: /RWW JAKE LPD CHI MDK JBN JEW; Sub-Collections: NIC;
Clerk: AAM;

Second part of a response to NIC#16375

1 Paragraph 4 (continued)

There are two cases. We know exactly when an IMP or TIP is installed and can (if we remember to) let you know. On the other hand, when we deliver in interface we can't really tell what machine an organization will actually connect to it, or when (if ever) the connection will be made. For example, I have thought, for several years, that the connection of a 635 (Honeywell/GE) to the Rome Air Development Center IMP was "immanent". Similarly, although I know of no plans to connect a Host to interface number 0 (zero) at "US Department of Commerce, Boulder", a Host COULD be connected there tomorrow and I would be unlikely to notice it for a long time (in fact, maybe one is there already).

5) Appendix A was added to 1822 because it turned out, in the early days of the network, that some Hosts (notably TENEX) wouldn't talk to other Hosts unless they (the other Hosts) had "official" network addresses. I always thought that this was a grossly stupid implementation, but was never able to influence the offending Hosts. Accordingly, I had to "officialize" the addresses of all possible Hosts by publication in 1822, and it is for this reason that I tend to prefer erring on the side of overcompleteness rather than missing any possible address.

1 16381 Distribution

1

1a Richard W. Watson, Elizabeth J. (Jake) Feinler, L. Peter Deutsch,
Charles H. Irby, Michael D. Kudlick, Jeanne B. North, James E. (Jim)
White,

1a

Second part of a response to NIC#16375

(J16381) 14-MAY-73 07:00; Title: Author(s): Alex A. McKenzie/AAM;
Distribution: /RWW JAKE LPD CHI MDK JBN JEW; Sub-Collections: NIC;
Clerk: AAM;

Glossary accessible with Locator

1 A glossary of a few (growing in number) basic terms used around
ARC/NIC is now available with TNLS accessing instructions in
<NIC,GLOSSARY,> and is accessible from <NIC,LOCATOR,2:ebt>.

1

Glossary accessible with Locator

(J16383) 11-MAY-73 23:46; Title: Author(s): Kirk E. Kelley/KIRK;
Distribution: /SRI-ARC; Sub-Collections: SRI-ARC; Clerk: KIRK;

1 16383 Distribution

1

1a Donald C. (Smokey) Wallace, Richard W. Watson, Don I. Andrews, 1a
1b Judy D. Cooke, Marcia Lynn Keeney, Carol B. Guilbault, Susan R.
Lee, Elizabeth K. Michael, Charles F. Dornbush, Elizabeth J. (Jake)
Feinler, Augmentation Research Handbook, Kirk E. Kelley, N. Dean
Meyer, Kay F. Byrd, Ralph Prather, James E. (Jim) White, Jacques F.
Vallee, Diane S. Kaye, Paul Rech, Michael D. Kudlick, Ferg R.
Ferguson, Linda L. Lane, Marilyn F. Auerbach, Walt Bass, Douglas C.
Engelbart, Beauregard A. Hardeman, Martin E. Hardy, J. D. Hopper,
Charles H. Irby, Mil E. Jernigan, Harvey G. Lehtman, Jeanne B. North,
James C. Norton, William H. Paxton, Jeffrey C. Peters, Jake Ratliff,
Edwin K. Van De Riet, Dirk H. Van Nouhuys, Kenneth E. (Ken) Victor 1b

Standard line lengths.

1 The display and the printer no longer have the same line lengths. This is very important for some files in order to be compatable with the various methods of viewing a file. I believe DNLS allows one LESS character per line than Quickprint and the Output formatter. I haven't checked TNLS.

1

1 16384 Distribution

1

1a Diane S. Kaye, Harvey G. Lentman, Charles H. Irby, Elizabeth J.
(Jake) Feinler,

1a

Standard line lengths.

(J16384) 12-MAY-73 15:06; Title: Author(s): Kirk E. Kelley/KIRK;
Distribution: /BUGS JAKE; Sub-Collections: SRI-ARC BUGS; Clerk: KIRK;

Feedback on Jim's

1 I agree with everything in Jim White's (16375,). I didn't realize, in fact, that the confusion to which he addresses himself existed

1

2 However, I wish to point out something which he overlooked and which was not given adequate notice in the earlier messages I have seen.

2

3 While the idea of "site" meaning essentially "place where an IMP is located" is reasonable, it is also worth considering divorcing the two ideas.

3

3a PARC, for example, has three (planned) hosts, all located in the same building, and only one person responsible for the Network hardware, although three different groups control the hosts.

3a

3b MIT, on the other hand, has no one person responsible for the IMP; it is not entirely clear what a site "MIT" would be good for.

3b

4 It seems to me that the mechanism for any such situations exists already, namely, that Hosts are just a special kind of Affiliation with additional property <host address>; the Ident is the official host name. If the host's owner wants to protect himself against changes of hardware, he can establish a different affiliation.

4

1 16385 Distribution

1

1a Richard W. Watson, Elizabeth J. (Jake) Feinler, James E. (Jim)
White, Charles H. Irby, Michael D. Kudlick, Alex A. McKenzie, Jeanne
B. North,

1a

Feedback on Jim's

(J16385) 11-MAY-73 21:56; Title: Author(s): L. Peter Deutsch/LPD;
Distribution: /RWW JAKE JEW CHI MDK AAM JBN; Sub-Collections: NIC;
Clerk: LPD;
Origin: <DEUTSCH>HOSTS.NLS;2, 11-MAY-73 21:55 LPD ;

Let's get it in writing

I I think it would be valuable for you to set down what we were discussing the other day about the organization of the Journal. It may be common knowledge at ARC, but I think it would benefit others at PARC and around the Net who may be contemplating Journal-like systems of their own.

1

1 16386 Distribution
1a J. D. Hopper,

1
1a

Let's get it in writing

(J16386) 11-MAY-73 21:59; Title: Author(s): L. Peter Deutsch/LPD;
Distribution: /JDH; Sub-Collections: NIC; Clerk: LPD;

(copy of SNDMSG to LPD at ISI)

sent to me at ISI via SNDMSG

(copy of SNDMSG to LPD at ISI)

1	10-MAY-73 22:25:43,1291	1
2	-----	2
3	Date: 10-MAY-73 2225	3
4	From: CROCKER	4
5	Re: Temperate dialog	5
6	- - - -	6
7	First, thanks for your letter; I appreciate your initiative	7
8	in reopening the dialog.	8
9		9
10	Second, I apologize for the delay in responding, but	10
11	NIC mail winds up on my desk in such a fashion as to cause it	11
12	to be stacked at the bottom of my low-priority	12
13	queue. Only because I am sweeping everything clear tonight did	13
14	I find it at all.	14
15		15
16	there are several matters which we've been discussing.	16
17	I think it will simplify the discussion if we name them.	17
18	I am not in any hurry tonight to dispose of them.	18
19		19
20	1. The larger (largest?) social good, or what is the role of	20
21	technology.	21
22		22
23	2. What areas deserve the attention of technocrats?	23
24		24
25	3. What is the role of Defense sponsored research?	25

(copy of SNDMSG to LPD at ISI)

26	3a. Is is desirable to perform or administer Defense research?	26
27		27
28	4. What is the healthiest relationship between the scientific	28
29	community and the military community.	29
30		30
31	5. Who is the military community?	31
32		32
33	As a guess, I'd say we (you and I) are in close agreement on	33
34	questions 1, 2, and 3 and begin to diverge with questions	34
35	3a, 4 and 5.	35
36		36
37	It's hard to find people who can explore these issues coherently,	37
38	so if these questions seem appropriate to you, I suggest we keep	38
	track	
39	of the dialog.	39
40		40
41	Steve	41
42	-----	42
43		43

1 16387 Distribution
1a L. Peter Deutsch,

1
1a

(copy of SNDMSG to LPD at ISI)

(J16387) 11-MAY-73 23:46; Title: Author(s): Steve D. Crocker/SDC2;
Distribution: /LPD; Sub-Collections: NIC; Clerk: LPD;
Origin: <DEUTSCH>SDC.NLS;2, 11-MAY-73 23:44 LPD ;

1 Thanks for your note. Your enumeration of questions seems like a good basis for further discussion. I'll take care of getting the dialog recorded in the NIC Journal. Right now, I'm super busy being a technocrat (not to mention a graduate student in the final agonies of thesisdom), so I may not get back to you for some weeks.

1

1 16388 Distribution
1a Steve D. Crocker,

1
1a

(J16388) 11-MAY-73 23:48; Title: Author(s): L. Peter Deutsch/LPD;
Distribution: /SDC2; Sub-Collections: NIC; Clerk: LPD;

NLS Documentation Problems

- 1 Nancy ... Your complaint to Marilyn Auerbach about the documentation foul-up is all too valid. A compound problem, but no excuse for what happened. 1
- 2 Marilyn sent a journal item some weeks ago (MJOURNAL, 15312, 1:w) -- to NAG NLG NSAG -- announcing the changes, but it was premature: the new NLS wasn't brought up till last Monday (you know that) and we neglected to re-announce it. 2
- 3 When I realized what had happened (thanks to feedback from Alex McKenzie, among others), I suggested that we place a sendmessage announcement to let people know where the documentation was. 3
- 4 But I didn't know that the new NLS had a bug with respect to printer output. (The bug is supposed to be fixed now.) 4
- 5 My main concern is, how do we let people know of what we consider to be important things (like NLS feedback changes etc) without offending people who aren't interested in getting that type of mail? I don't know the answer; I'm not sure the NLG NSAG concept works all the time either. 5
- 6 Would appreciate feedback. .. Mike Kudlick 6

NLS Documentation Problems

(J16389) 11-MAY-73 16:59; Title: Author(s): Michael D. Kudlick/MDK;
Distribution: /NJN MFA; Sub-Collections: SRI-ARC; Clerk: MDK;
Origin: <KUDLICK>NJN.NLS;2, 11-MAY-73 16:58 MDK ;

1 16389 Distribution

1a Nancy J. Neigus, Marilyn F. Auerbach,

1
1a

SNDMSG Directory Space

1 Alex ... Can I postpone a direct answer to your desire for an NLS account?

1

2 I sympathize with your need; many others have asked me for the same facility.

2

3 The problem of course is overhead in Tenex for directory stuff, and we have a plan that we would like to discuss at RThomas' workshop next week.

3

4 It is simple enough in concept: have one Tenex <mail> directory in which users' message.txt files exist with privacy protection at the file level rather than at the directory level. Then messages directed to people without login directories would still be stored by Tenex, and accessible by those individuals with full privacy for their mail.

4

5 Until next week, therefore, I'd like to beg off a direct answer to you. Thanks for your message. Look forward to seeing you. ... Mike Kudlick.

5

1 16390 Distribution

1

1a Alex A. McKenzie, James E. (Jim) White, Donald C. (Smokey)
Wallace, Richard W. Watson,

1a

SNDMSG Directory Space

(J16390) 11-MAY-73 17:27; Title: Author(s): Michael D. Kudlick/MDK;
Distribution: /AAM JEW DCW RWW; Sub-Collections: SRI-ARC; Clerk: MDK;
Origin: <KUDLICK>AAM.NLS;2, 11-MAY-73 17:26 MDK ;

TNLS-Boston

1 Dirk--

TNLS has caught on. I have heard from 13 people who are definite and three others who may have some question about the date. All of these are novice users--no refresher course or DNLS. A few may come in this week. I guess this great a number of students will require two classes. What do you propose to handle that? Two classes in a row or separated by some time? The only thing that worries me about two in a row is tying up resources (the conference room and the teletypes) for that long.

The dates are fine for me and my group (hardware people). All the others have indicated that any time in June is fine. The people who have responded are mostly from Sutherland's group in case you wondered.

Let me know soon what you decide. Ciao. --Nancy

1

1 16391 Distribution
1a Dirk H. Van Nieuhuys,

1
1a

TNLS-Boston

(J16391) 14-MAY-73 06:20; Title: Author(s): Nancy J. Neigus/NJN;
Distribution: /DVN; Sub-Collections: NIC; Clerk: NJN;

Superwatch Average Graphs for Week of 4/30/73

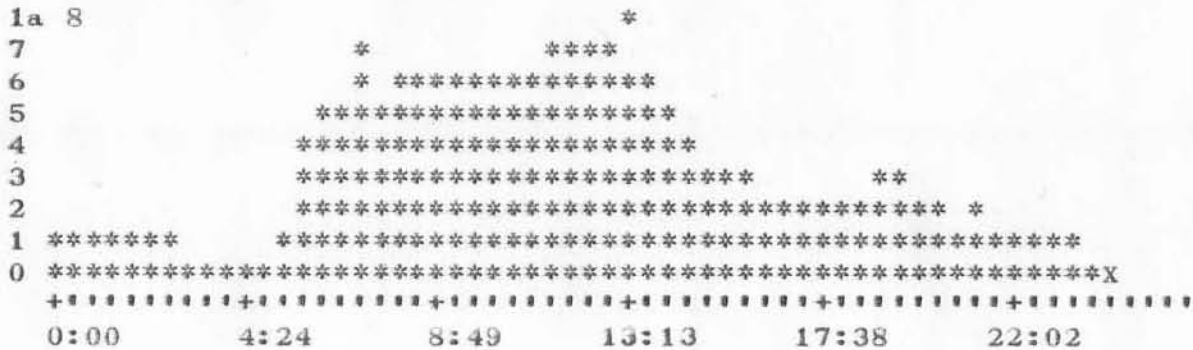
I've had difficulty formatting these graphs so they look right in all forms of output. I think they are O.K. except in output quickprint viewspec y needs to be on. Any better suggestions are welcome.

Superwatch Average Graphs for Week of 4/30/73

1 TIME PLOT OF AVERAGE NUMBER OF NETWORK USERS FOR THE WEEK OF 4/30/73

x axis labeled in units of hr:min, xunit = 1587 sec.

1

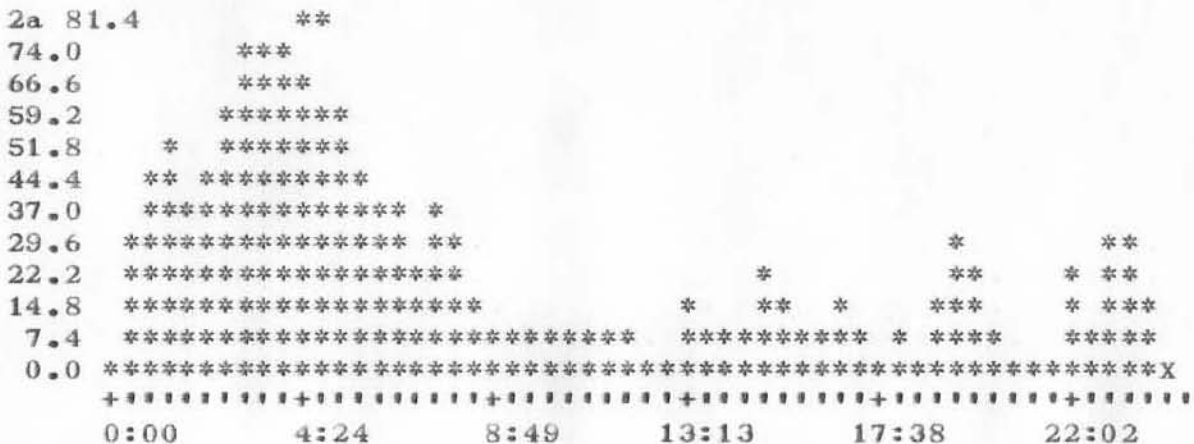


1a

2 TIME PLOT OF AVERAGE IDLE TIME FOR THE WEEK OF 4/30/73

x axis labeled in units of hr:min, xunit = 1587 sec.

2



2a

3



4



5



6



1 16392 Distribution

1

1a James C. Norton, Richard W. Watson, Douglas C. Engelbart, Paul
Rech, Donald C. (Smokey) Wallace, Jeffrey C. Peters,

1a

Superwatch Average Graphs for Week of 4/30/73

(J16392) 11-MAY-73 16:13; Title: Author(s): Susan R. Lee/SRL;
Distribution: /JCN RWW DCE PR DCW JCP; Sub-Collections: SRI-ARC; Clerk:
SRL;
Origin: <LEE>WEEK4/30GRAPHS.NLS;2, 11-MAY-73 15:49 SRL ;

Do you want Superwatch graphs?

1 Superwatch weekly graphs are now available on-line for any interested person. I sent last week's to a small distribution of people I thought might be interested. If you did not receive them and would like them, let me know. Also, if you received them, and would rather not get them, let me know. Thanks.

1

1 16393 Distribution

1

1a Donald C. (Smokey) Wallace, Richard W. Watson, Don I. Andrews, 1a
1b Judy D. Cooke, Marcia Lynn Keeney, Carol B. Guilbault, Susan R.
Lee, Elizabeth K. Michael, Charles F. Dornbush, Elizabeth J. (Jake)
Feinler, Augmentation Research Handbook, Kirk E. Kelley, N. Dean
Meyer, Kay F. Byrd, Ralph Prather, James E. (Jim) White, Jacques F.
Vallee, Diane S. Kaye, Paul Rech, Michael D. Kudlick, Ferg R.
Ferguson, Linda L. Lane, Marilyn F. Auerbach, Walt Bass, Douglas C.
Engelbart, Beauregard A. Hardeman, Martin E. Hardy, J. D. Hopper,
Charles H. Irby, Mil E. Jernigan, Harvey G. Lehtman, Jeanne B. North,
James C. Norton, William H. Paxton, Jeffrey C. Peters, Jake Ratliff,
Edwin K. Van De Riet, Dirk H. Van Nouhuys, Kenneth E. (Ken) Victor 1b

Do you want Superwatch graphs?

(J16393) 11-MAY-73 16:27; Title: Author(s): Susan R. Lee/SRL;
Distribution: /SRI-ARC; Sub-Collections: SRI-ARC; Clerk: SRL;

Proposed Modifications to SNDMSG and Journal

GENERAL PROPOSAL

The NLS Journal Design Team proposes the merging of certain NLS Journal elements and certain SNDMSG elements to produce one conceptual SNDMSG system which will actually exist in two forms, namely, the EXEC-accessed BBN-implemented SNDMSG and a Journal SNDMSG package which represents a subset of the Journal.

In order to achieve this, we suggest modifications to each of these systems for the purpose of making them parallel both from the viewpoint of function and user input/feedback.

NEW SNDMSG

Once invoked, the system calls for the "MESSAGE:", satisfied by typing a string of characters terminated by a CR or by typing a [†]E filename. (NLS will assume default .NLS extension, and SNDMSG a default .TXT extension.)

The system then prompts for the "TITLE:", satisfied by typing a string of characters terminated by a CR.

Then it prompts for "DISTRIBUTION:", a string representing any combination of the following elements:

a) ident - a standard NIC identification system user or group "handle".

b) user - a TENEX user name

c) ident or user with the suffix "#host" - example:
DSK#SRI-ARC or KAYE#SRI-ARC

d) #host followed by a list of (a) and/or (b) elements, interpreted as though each element had had the suffix attached as in (c).

e) [†]E filename - this file, (.TXT or .NLS extension) contains text of the form

(USERS) list EOL

where it is an NLS "statement" for .NLS files, and is preceeded by an EOL or appears at the beginning of the file for .TXT files.

Proposed Modifications to SNDMSG and Journal

The system now prompts "GO?" and waits for one of the following valid commands:

4d

CR - Go ahead with delivery, end of submission.

4d1

N[o] CR - Postpone delivery while user verifies and/or modifies the information using the commands below in any order.

4d2

S[tatus] CR - Print out the status in the form:

4d2a

TITLE: string

4d2a1

DISTRIBUTION: string

4d2a2

MESSAGE: string

4d2a3

T[itle] CR - allow reentry of the "TITLE" parameter

4d2b

D[istribution] CR - allow reentry of the "DISTRIBUTION" parameter

4d2c

M[essage] CR - allow reentry of the "MESSAGE" parameter

4d2d

G[o] CR - execute the "GO"

4d2e

EDITING characters -

4e

CR is the command terminator.

4e1

↑A is backspace word

4e2

↑Q is delete text (NLS) and delete line (SNDMSG)

4e3

↑R is retype text (NLS) and retype line (SNDMSG)

4e4

In addition, SNDMSG will have ↑S for retype text.

4e5

DELIVERY -

4f

Delivery takes place either via the present SNDMSG message file scheme, or by NLS Journal via the user's initials file, whichever is appropriate to the situation.

4f1

5

CHANGES TO NLS JOURNAL

6

1) Message text source - accept "↑E filename" as the source of the message text.

6a

Proposed Modifications to SNDMSG and Journal

- 2) Distribution changes 6b
 - a) Allow formats (b), (c), (d) and (e) described above. 6b1
 - b) Allow "distributionlist title:" where the string in quotes is any arbitrary title the sender attaches to the distribution list for the purpose of shortening the citation "cc:" field, i.e. attaching an informal name to the distribution "group" instead of listing individual elements there. 6b2
- 3) Citation format changes 6c
 - Show distribution list or distribution title. 6c1
 - ** We need to define one explicit format (RWW). 6c2
- 4) Allow this form of dialogue to be unnumbered and unrecorded. 6d

7

CHANGES TO SNDMSG

8

- 1) Accept message as first parameter. 8a
- 2) Change parameter names (in prompts) to "TITLE" and "DISTRIBUTION". 8b
- 3) In the distribution list allow "ident" and "ident#host". 8c
- 4) Allow additional features as described above. 8d
 - a) - retype - optional parameter fixup capability. 8d1
 - b) - user-controlled GO. 8d2
 - c) - STATUS - show information entered so far. 8d3
- 5) Control characters - accept CR as the command terminator in all cases. (!Z no longer terminates messages). 8e

9

16396 Distribution

J. D. Hopper, Richard W. Watson, James E. (Jim) White,

Proposed Modifications to SNDMSG and Journal

(J16396) 14-MAY-73 12:21; Title: Author(s): Diane S. Kaye/DSK;
Distribution: /JDH RWW JEW; Sub-Collections: SRI-ARC; Clerk: DSK;
Origin: <KAYE>SNDMSG.NLS;14, 14-MAY-73 12:08 DSK ;

Yes

Reply to 16393

1

16397 Distribution
Susan R. Lee,

Yes

(J16397) 14-MAY-73 11:33; Title: Author(s): Dirk H. Van
Nouhuys/DVN; Distribution: /SRL; Sub-Collections: SRI-ARC; Clerk: DVN;

NWG/RFC# 510

JEW 30-MAY-73 15:25 16400

Request for Network Mailbox Addresses RFC 510 / NIC 16400

attention: liaisons

RFC # 510
NIC # 16400

James E. White (JEW)
SRI-ARC
30 May 73

Request for Network Mailbox Addresses

To Liaisons:

Within the next few weeks, the NIC will begin providing Network Journal delivery to those users in the Net who desire it.

Submission of Journal articles will also be possible through FTP.

Each user will then have his choice of three Journal delivery modes: ONLINE delivery to the AUTHOR branch of his initial file at the NIC, HARDCOPY delivery to his place of business via the Postal Service, and NETWORK delivery to his on-line mailbox at his home host. Each user may select any or all forms of delivery.

Initially, Network Journal delivery will consist of the following:

Each piece of mail addressed to the user will be delivered to a host and mailbox of his choosing, using the mail command(s) defined by the File Transfer Protocol. The mail will contain in its text, a header containing the author's NIC Ident, the date of submission, a title, etc., and either the text of the message or, if it's long, a pointer to it (according to the 'Submit Message' and 'Submit File' distinction in NLS Journal submission). More than one piece of Journal mail may, in general, be delivered as a single piece of FTP mail.

The user's delivery host and mailbox will be stored in the NIC's Ident file, and the user can change or view them (along with his delivery mode(s)) from the Identification System in NLS.

The pointer sent to the user for bulk mail will be a

pathname by which an FTP user process, acting on the user's behalf, can retrieve the text of the mail from SRI-ARC. The pathname will contain the necessary parameters to cause SRI-ARC's FTP server process to convert the file from NLS (tree-structured) to sequential form before transmission.

5c

The purpose of this memo is not to document the service (we'll do that as soon as it's available), but to solicit help from Liaisons, each of whom is asked to provide the NIC with the following information for EACH user affiliated with his host organization who desires Network Journal delivery:

6

(1) His NIC Ident.

6a

(2) The type(s) of delivery he desires, if any, IN ADDITION TO Network delivery.

6b

It's fair, for example, to retain one's current delivery mode initially until convinced that Network delivery really works.

6b1

(3) The standard host name or decimal host address of the host at which he desires delivery.

6c

TIP users, for example, may choose to receive delivery at their favorite TENEX host.

6c1

(4) The 'user name' his host's FTP server process requires to identify him in the context of an FTP mail command.

6d

For a TENEX user, for example, that's his directory.

6d1

Please communicate answers to these questions in writing to Jim White -- to JEW through the Journal, to WHITE@SRI-ARC via FTP mail, or to Jim White at the NIC via the Postal Service. All information obtained in response to this memo will be made accessible from NLS (as already mentioned) and from a yet-to-be-written Ident server process, and will be maintained by the NIC as a functional document in on-line and hardcopy forms.

7

We ask Liaisons to assume responsibility for providing delivery parameters for all interested users at their host, although information will be gladly accepted from anyone who chooses to provide it.

8

NWG/RFC# 510

JEW 30-MAY-73 15:25 16400

Request for Network Mailbox Addresses RFC 510 / NIC 16400

Thanks.

Jim White

8a

16400 Distribution

Ronald M. Stoughton, A. D. (Buz) Owen, Robert L. Fink, Jaacov Meir, Jeanne B. North, Steve D. Crocker, Thomas F. Lawrence, John W. McConnell, James E. (Jim) White, A. Wayne Hathaway, Patrick W. Foulk, Richard A. Winter, Harold R. Van Zoeren, Alex A. McKenzie, Joel M. Winett, Abhay K. Bhushan, Thomas N. Pyke, B. Michael Wilber, Edward A. Feigenbaum, Robert T. Braden, James M. Pepin, Barry D. Wessler, John T. Melvin, James E. (Jim) White, Richard W. Watson, J. D. Hopper, Diane S. Kaye, Walt Bass, L. Peter Deutsch, James C. Norton, Michael D. Kudlick, Charles H. Irby, Lou C. Nelson, Jeffrey P. Golden, Richard B. Neely, Dan Odom, Ralph E. Gorin, Robert G. Merryman, P. Tveitane, Adrian V. Stokes, David L. Retz, Reg E. Martin, Gene Leichner, Gil Falk, Jean Iseli, Jed E. Donnelley, William Kantrowitz, Michael S. Wolfberg, Yeshiah S. Feinroth, James Hurt, Anthony C. Hearn, Arie Shoshani, Eric F. Harslem, Robert M. (Bob) Metcalfe, Bradley A. Reussow, E. R. (Dick) Reins, Daniel L. Kadunce, Samuel P. McCutchen, George N. Petregal, Michael B. Young, Michael A. Padlipsky, Schuyler Stevenson, L. Peter Deutsch, John Davidson, Thomas O'Sullivan, Sol F. Seroussi, Scott Bradner, Robert H. Thomas, John C. Thomas, Michael J. Romanelli

NWG/RFC# 510

JEW 30-MAY-73 15:25 16400

Request for Network Mailbox Addresses RFC 510 / NIC 16400

(J16400) 30-MAY-73 15:25; Title: Author(s): James E. (Jim)
White/JEW; Distribution: /NLG JDDT JDRT; Sub-Collections: NIC NWG
SRI-ARC NLG JDDT JDRT; RFC# 510; Clerk: JEW;
Origin: <WHITE>NWGMMSG.NLS;9, 30-MAY-73 15:18 JEW ;

Transmittal to John Phiel

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

NIC 16402
15-MAY-73

TRANSMITTAL TO: John Phiel
Terrestrial Interface and Earth Station Dept
COMSAT
950 L'enfant Plaza, SW
Washington, D.C. 20024

FROM: Marcia Keeney
Station Agent

At the request of Dave Walden (BBN), your name has been placed on the
TIP User's Group mailing list.

Enclosed are TIPUG notes 1-9. You will receive all future notes on
regular distribution.

Also enclosed is the Keynote Speech by Ruth Davis at COMPCON '73.

Encl.

16402 Distribution
Station Agent,

Transmittal to John Phiel

(J16402) 25-MAY-73 14:39; Title: Author(s): Marcia Lynn Keeney/MLK;
Distribution: /SA; Sub-Collections: SRI-ARC; Clerk: LLL;
Origin: <LANE>NIC16402.NLS;1, 25-MAY-73 14:34 LLL ;

TRANSMITTAL TO: Frank M. Klisch

TRANSMITTAL TO: Richard McClure
Comsat Laboratories
Box 115
Clarksburg, Maryland 20734

FROM: Marcia Keeney (NIC)
Station Agent

1

At the request of Robert E. Kahn, your name has been placed on the ARPANET Satellite System Group distribution list.

1a

I am enclosing the ASS Notes which have been issued to date. Notes 13, 14, and 23 are obsolete. You will receive all new ASS Notes as they are distributed.

1b

encl:

1c

11283	11284	11285	11286	11287	11288	11289
11290	11291	11292	11293	11294	11616	11624
11862	11865	11866	11867	12166	12534	12734
12735	12736	12744	12759	13044	13150	13147
13469	13647	11881	14790	15194	15321	15322
16082	16084	16085	16086	16134		

1c1

16403 Distribution
Station Agent,

1
1a

TRANSMITTAL TO: Frank M. Klisch

TRANSMITTAL TO: Frank M. Klisch
 Earth Station Transmission Engineering Dept.
 COMSAT
 950 L'enfant Plaza, SW
 Washington, D.C. 20024

FROM: Marcia Keeney (NIC)
 Station Agent

1

At the request of Robert E. Kahn, your name has been placed on the
 ARPANET Satellite System Group distribution list.

1a

I am enclosing the ASS Notes which have been issued to date. Notes
 13, 14, and 23 are obsolete. You will receive all new ASS Notes as
 they are distributed.

1b

encl:

1c

11283	11284	11285	11286	11287	11288	11289
11290	11291	11292	11293	11294	11616	11624
11862	11865	11866	11867	12166	12534	12734
12735	12736	12744	12759	13044	13150	13147
13469	13647	11881	14790	15194	15321	15322
16082	16084	16085	16036	16134		

1c1

16404 Distribution
Station Agent,

1
1a

TRANSMITTAL TO: Robert N. Lieberman

TRANSMITTAL TO: Robert N. Lieberman
Naval Ship Research and Development Center
Code 183
Bethesda, Maryland 20034

FROM: Marcia Keeney (NIC)
Station Agent

1

Enclosed is your copy of NIC 7104 Current Network Protocols. You will receive updates to it as they are issued. This should complete your set of functional documents.

1a

16405 Distribution
Station Agent,

1
1a

TRANSMITTAL TO: H. A. Thompson

TRANSMITTAL TO: H. A. Thompson
University of London
Institute of Computer Science
44 Gordon Square
London, W.C.1
ENGLAND

FROM: Marcia Keeney (NIC)
Station Agent

1

Enclosed is your copy of NIC 7104 Current Network Protocols. You will receive updates to it as they are issued. This should complete your set of functional documents.

1a

16406 Distribution
Station Agent,

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1a

TRANSMITTAL TO: Prof. D. J. Doole

TRANSMITTAL TO: Prof. D. J. Doole
University of Bristol
Computer Center, School of Mathematics
University Walk
Bristol ITW
ENGLAND

FROM: Marcia Keeney (NIC)
Station Agent

1

At the request of Larry Roberts, I am enclosing your copy of NIC
7104 Current Network Protocols.

1a

16407 Distribution
Station Agent,

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1a

TRANSMITTAL TO: O. A. Hansen

TRANSMITTAL TO: O. A. Hansen
Royal Norwegian Council for Scientific and
Industrial Research
P.O. Box 51
2007 Kjeller
NORWAY

FROM: Marcia Keeney (NIC)
Station Agent

1

Enclosed is your copy of NIC 7104 Current Network Protocols. You
will receive updates to it as they are issued. This should complete
your set of functional documents.

1a

16408 Distribution
Station Agent,

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1a

TRANSMITTAL TO: Farouk Kamoun

TRANSMITTAL TO: Farouk Kamoun
UCLA - Network Measurement Center
Computer Science Department
3732 Boelter Hall
University of California at Los Angeles
Los Angeles, California 90024

FROM: Marcia Keeney (NIC)
Station Agent

1

At your request, I am sending the following documents:

1a

NIC 14664 SIMULATION OF AN ISARITHMIC DATA TRANSIT NETWORK
NIC 14671 THE NPL DATA NETWORK
NIC 14672 LOGICAL DESCRIPTION OF A PROGRAM FOR THE SIMULATION OF
COMPUTER NETWORKS
NIC 14673 SIMULATION OF DATA TRANSIT NETWORKS
NIC 14675 COMPUTER NETWORK SIMULATION STUDY

1a1

16410 Distribution
Station Agent,

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1a

TRANSMITTAL TO: Yngvar Lundh

TRANSMITTAL TO: Yngvar Lundh
Norwegian Defense Research Establishment
2007 Kjeller
NORWAY

FROM: Marcia Keeney (NIC)
Station Agent

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At your request, I am sending a copy of NIC 13972, "Large Scale
Integration -- A Designer's Viewpoint."

1a

16411 Distribution
Station Agent,

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1a

TRANSMITTAL TO: Nils Maras

TRANSMITTAL TO: Nils Maras
NTNF/NORSAR
P.O. Box 51
N-2007 Kjeller
NORWAY

FROM: Marcia Keeney (NIC)
Station Agent

1

At your request, I am sending a copy of NIC 4565, The Interface
Message Processor for the ARPA Computer Network.

1a

Some time ago you requested three BBN reports, #1877, 2184, and 2277.
I have just received notice from BBN that these documents are not for
general distribution. You might contact them however and see if an
exception can be made.

1b

16412 Distribution
Station Agent,

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1a

TRANSMITTAL TO: Connie D. Rosewall

TRANSMITTAL TO: Connie D. Rosewall
Computer Systems Laboratory
Univ. of California at Santa Barbara
Santa Barbara, California 93106

FROM: Marcia Keeney (NIC)
Station Agent

1

At your request, I am sending a copy of NIC 14682, Low Cost
Interactive Image Processing.

1a

16413 Distribution
Station Agent,

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1a

TRANSMITTAL TO: Arie Shoshani

TRANSMITTAL TO: Arie Shoshani
System Development Corporation
2500 Colorado Avenue
Santa Monica, California 90406

FROM: Marcia Keeney (NIC)
Station Agent

1

At your request, I am sending the following documents:

1a

NIC 14678 GRAMMAR FOR THE PEOPLE
NIC 14685 MEMORY SYSTEM OF A PROBLEM SOLVER GENERATOR
NIC 14661 TSO/OS PROJECT "WHITE PAPER" ON FUTURE SYSTEMS.

1a1

16414 Distribution
Station Agent,

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