TELNET Protocol Meeting Announcement

Since the publication of RFC # 318 there have been a great number of proposals for changes and/or extensions to the (still unofficial) TELNET Protocol. It now seems appropriate to have a meeting of concerned parties to try, once again, to reach a consensus position and define an "official" protocol (with, perhaps, some room for optional expansion).

Accordingly, I hereby announce a TELNET Protocol meeting to be held at UCLA on Monday, March 5. I expect this to be a working meeting (rather than a tutorial to bring new members of the network community up-to-speed) and therefore wish to invite the attendance of only those individuals prepared to discuss AT LEAST those issues which have already been raised. At a minimum, attendees should be familiar with the following:

- RFC 318
- RFC 328
- RFC 340
- RFC 357
- RFC 393
- RFC 426
- RFC 435

A familiarity with deliberations of the TELNET Committee prior to RFC 318 would probably also be helpful. Finally, attendees should be aware that there are few (no?) Hosts which follow the echo-control conventions described in RFC 318.

Anyone wishing to attend this meeting should contact Alex McKenzie at BBN (NIC ident aam) 50 Moulton Street, Cambridge, Mass. 02138. My telephone number is

(617) 491-1850 ext. 441

When there is some indication of the number of individuals planning to attend, a meeting room will be selected, a time announced, etc.
14416 Distribution

Coley, Anita L.; Mostrom, Carol J.; Dunn, Robert W.; Reid, Joseph B.; Misencik, William T.; Sakai, Toshiyuki; Pouzin, Louis; Lundh, Yngvar; Hinckley, Robert H.; Zelkowitz, Marvin; Cowan, Donald; Pepper, Marianne; Dixon, Louis F.; Lee, Ted; O'Malley, Michael; Kirstein, Peter; Farber, David J.; Twyver, Dave; Bernstein, Art J.; Liddle, Dave E.; Showalter, A. Kenneth; Aufenkamp, D. D.; Barber, Derek Leslie; Schipper, Tjaart; Van Sylke, Richard M.; Aupperle, E. N.; Lipinski, Hubert; Lecates, John C.; Fargraves, Robert F.; Shephard, C. D.; Brown, Maurice P.; Ashenhurst, Robert L.; Falk, Gil; Collins, Ed J.; Blunck, Gary; Heafner, John F.; Beaman, Kathy; King, David J.; Woody, C. Jane; Lemaro, Maria E.; Pitkin, Sue; Fitzsimmons, Jerry; Hicks, Gregory P.; Maxey, Gloria Jean; Peeler, Roberta J.; Baxter, Faye; Fields, Craig; Benedict, James G.; McCauley, Ermalee R.; Iwamoto, Margaret; Larson, Dee; Doane, Robert E.; Odom, Dan; Monroe, Brenda; Reynolds, Dorothy A.; North, Jeanne B.; Cutler, Pam J.; Klotz, Barnett; Barbara; Forman, Ernest H.; Golding, Stan; Chipman, Steve G.; Harden, John P.; Ginsberg, Martha A.; Watkins, Shirley W.; Connelly, Linda M.; Troxel, Janet W.; Rosewall, Connie D.; Webster, Linda M.; Fink, Robert L.; Neir, Jaacov; North, Jeanne E.; Crocker, Steve D.; Lawrence, Thomas F.; McConnell, John W., Ollikainen, Ari A. J.; White, James E. (Jim); Hathaway, A. Wayne; Fouk, Patrick W.; Winter, Richard A.; Van Zoeren, Harold R.; McKenzie, Alex A.; Winett, Joel M.; Bhushan, Abhay K.; Pyke, Thomas N.; Wilber, R. Michael; Feigenbaum, Edward A.; Braden, Robert T.; Pepin, James M.; Wessler, Barry D.; Melvin, John T.; Bassett, Margaret A. (Maggie); Smith, J. A.; Boone, Leina M.; Jones, Diana L.; Colman, Harold; Neagus, Nancy J.; Sack, Terry; McHale, Frances A. (Toni); Young, Helen D.; Lee, Susan R.; Gilliard, Lucille C. (Lucy); Martin, Reg E.; Leichner, Gene; Falk, Gil; Iseli, John; Donnelley, Jed E.; Kantrowitz, William; Wolfberg, Michael S.; Feinroth, Yeshiah S.; Hurt, James; Hearn, Anthony C.; Stein, James H.; Shoshani, Arie; Harslem, Eric P.; Metcalfe, Robert M. (Bob); Peussow, Bradley A.; Reins, E. R. (Dick); Kadunce, Daniel L.; McCutchen, Samuel P.; Petragel, George N.; Madden, James M.; Young, Michael B.; Padlipsky, Michael A.; Stevenson, Schuyler; Deutsch, L. Peter; Davidson, John; O'Sullivan, Thomas; Seroussi, Sol F.; Bradner, Scott; Thomas, Robert H.; Thomas, John C.; Romanelli, Michael J.; Stoughton, Ronald M.; Owen, A. D. (Buz)
TELNET Protocol Meeting Announcement

(J14416) 14-FEB-73 13:23; Title: Author(s): McKenzie, Alex A. /AAM;
Distribution: /NLG NSAG NAG; Sub-Collections: NIC NLG NSAG NAG; RFC# 461; Clerk: AAM;
Advance Warning of FTP Meeting

Advanced notice of an RFC which announces a FTP Meeting

Within a few days you should receive RFC # 454 which presents a new proposal for a FTP and announces an FTP meeting. Most of the text of the "meeting announcement" portion is presented in this note.

It now seems appropriate to make another attempt to reach final agreement on FTP. Accordingly, I am calling a meeting of interested parties, to be held at BBN on March 16, for discussion of ... proposals.

This note is directed to the network community at large, rather than specifically to the old FTP committee, because I don't believe that the FTP committee membership includes all the individuals who have contributed to the current state of FTP design. Nevertheless, it is intended that the meeting proceed from the current state, rather than bringing new members up-to-speed. Prospective attendees should therefore be familiar with at least the following documents:

RFC 354
RFC 385
RFC 414
RFC 418
RFC 438

Anyone wishing to attend this meeting should contact Alex McKenzie (NIC Ident aam) at BBN, 50 Moulton Street, Cambridge, Mass. 02138. My telephone number is:

(617) 491-1850 ext. 441

When there is some indication of the number of individuals planning to attend, a meeting room will be reserved and more specific information will be directed to attendees.

Of course, by the time the meeting is held, attendees should also be familiar with RFC 454, and any other RFC's inspired by the act of scheduling a meeting.
14417 Distribution
Coley, Anita L., Mostrom, Carol J.,
Falk, Gil, Collins, Ed J., BluncK, Gary, Heafner, John F.,
Beaman, Kathy, King, David J., Moody, C. Jane, Lemaro, Maria E.,
Pitkin, Sue, Fitzsimmons, Jerry, Hicks, Gregory P., Maxey, Gloria
Jean, Peeler, Roberta J., Baxter, Faye, Fields, Craig, Benedict,
James G., McCauley, Ermalee R., Iwamoto, Margaret, Larson, Dee,
Doane, Robert E., Odom, Dan, Monroe, Brenda, Reynolds, Dorothy A.,
North, Jeanne B., Cutler, Pam, J. Klotz, Barnett, Barbara,
Forman, Ernest H., Golding, Stan, Chipman, Steve G., Barden, John
P., Ginsberg, Martha A., Watkins, Shirley W., Connelly, Linda M.,
Troxel, Janet W., Rosewall, Connie D., Webster, Linda W.,
Fink, Robert L., Neir, Jaacov, North, Jeannine B., Crocker, Steve D.,
Lawrence, Thomas F., McConnell, John W., Ollikainen, Ari A. J.,
White, James E. (Jim), Hathaway, A. Wayne, Foulk, Patrick W.,
Winter, Richard A., Van Zoeren, Harold R., McKenzie, Alex A.,
Winett, Joel M., Bhushan, Abhay K., Pyke, Thomas N., Wilber, B.
Michael, Feigenbaum, Edward A., Braden, Robert T., Pepin, James M.,
Wessler, Barry D., Melvin, John T., Bassett, Margaret A. (Maggie),
Smith, J. A., Boone, Leina M., Jones, Diana L., Colman, Harold,
Neigus, Nancy J., Sack, Terry, McIale, Frances A. (Toni), Young,
Helen D., Lee, Susan R., Gilliard, Lucille C. (Lucy),
Martin, Reg E., Leichner, Gene, Falk, Gil, Iseli, John,
Donnelley, Jed E., Kantrowitz, William, Wolfberg, Michael S.,
Feinroth, Yeshlah S., Hurl, James, Hearns, Anthony C., Stein, James
H., Shoshani, Arie, Harstlem, Eric F., Metcalfe, Robert W. (Bob),
Reussow, Bradley A., Reins, E. R. (Dick), Kadunce, Daniel L.,
McCutchcn, Samuel P., Petregal, George N., Madden, James M.,
Young, Michael B., Padrilsky, Michael A., Stevenson, Schuyler,
Deutsch, L. Peter, Davidson, John, O'Sullivan, Thomas, Seroussi,
Sol F., Bradner, Scott, Thomas, Robert H., Thomas, John C.,
Romanelli, Michael J., Stoughton, Ronald M., Owen, A. D. (Buz)
Advance Warning of FTP Meeting

(J14417) 14-FEB-73 13:58; Title: Author(s): McKenzie, Alex A. /AAM;
Distribution: /NLG NSAG; Sub-Collections: NIC NLG NSAG; Clerk: AAM;
### WEEKLY ANALYSIS REPORT:

**WEEK: FEB 4-10, 1973 (24 HOURS/DAY)**

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FEB 4-10, 1973, A Week In Review

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<td>TOTAL</td>
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<tr>
<td>AVG</td>
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HIGHEST CPU: KEV 3.131 hrs
LOWEST CPU: DIA 0.080 hrs
### Week: FEB 4-10, 1973 (24 Hours/Day)

<table>
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<tr>
<th>NAME</th>
<th>CPU HRS</th>
<th>CON HRS</th>
<th>CPU/CON</th>
<th>% SYS</th>
<th>CON/CPU</th>
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<tr>
<td>DIR</td>
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<td>(JHB)BAIR</td>
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<td>(JPC)CAVANO</td>
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<tr>
<td>(RPI)IUCORSO</td>
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<td>(FSL)LAMONICA</td>
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<td>00:1</td>
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<td>83</td>
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<tr>
<td>(MDF)PETELL</td>
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<tr>
<td>40</td>
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FEB 4-10, 1973, A Week In Review

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<thead>
<tr>
<th>Name</th>
<th>CPU HRS</th>
<th>CON HRS</th>
<th>CPU/CON</th>
<th>% SYS</th>
<th>CON/CPU</th>
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<tbody>
<tr>
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---

(TOTAL) 1.390 73.017 3.4

(PER CENT TOTAL DISK CAPACITY) 2.0%

(XEROX)

WEEK: FEB 4-10, 1973 (24 HOURS/DAY)

<table>
<thead>
<tr>
<th>Name</th>
<th>CPU HRS</th>
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<th>% SYS</th>
<th>CON/CPU</th>
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<tr>
<td>(DDC)</td>
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<td>-</td>
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<tr>
<td>(LPD)</td>
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<td>(RMM)</td>
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FEB 4-10, 1973, A Week In Review

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(NETUSERS) TOP FIVE

WEEK: FEB 4-10, 1973 (24 HOURS/DAY)

<table>
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<td>5.9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
14418 Distribution
Van De Riet, Edwin K., Van Nouhuys, Dirk H., Victor, Kenneth E.
(Ken), Wallace, Donald C. (Smokey), Watson, Richard W., Andrews,
Don I., Stone, Duane L., Lawrence, Thomas F., Bair, James H.,
Deutsch, L. Peter, Mitchell, James G.,
Hoffman, Carol D., Lee, Susan R., Michael, Elizabeth K., Dornbush,
Charles F., ARC, Guest O., Feinler, Elizabeth J. (Jake), Handbook,
Augmentation Research, Kelley, Kirk E., Meyer, N. Dean, Byrd, Kay
F., Prather, Ralph, White, James E. (Jim), Vallee, Jacques F.,
Kaye, Diane S., Rech, Paul, Kudlick, Michael D., Ferguson, Ferg R.
Lane, Linda L., Auerbach, Marilyn F., Bass, Walt, Engelbart,
Douglas C., Hardeman, Beauregard A., Hardy, Martin E., Hopper, J.
D., Irby, Charles H., Jernigan, Mil E., Lehtman, Harvey G.,
North, Jeanne B., Norton, James C., Page, Cindy, Paxton, William
H., Peters, Jeffrey C., Ratliff, Jake
Jeanne -- the problem I had was getting myself identified as DHS instead of Guest.
Jeanne -- Try again. I'm having trouble matting messages. Sent you the mailing list for the weather data base working group. pretty soon i'll try sending the first message. I'll call you soon for some help. Thanks for you message, which i got via the mail.
14421 Distribution
Stern, Dale H., North, Jeanne B.,
Report of CCA's progress using the Journal

(J14421) 14-FEB-73 8:03; Title: Author(s): Stern, Dale H. /DHS; Distribution: /DHS JBN; Sub-Collections: NIC; Clerk: DHS;
Tuesday, 20-February at 10:00 the Novice-Expert team will meet in the Parsley Room to begin to define and outline the task. I want to hear everyone's ideas, however far-out.
14422 Distribution
Auerbach, Marilyn F., Vallee, Jacques F., Kudlick, Michael D., Van Nouhuys, Dirk H.,
Novice/Expert Team Meeting

(J14422)  14-FEB-73 10:06;  Title: Author(s): Kaye, Diane S. /DSK;
Distribution: /mfa jfv mdk dvn ; Sub-Collections: SRI-ARC; Clerk: DSK;
Progress Toward Entering Lower Case Characters from a 33

The problem of controlling the case of letters sent in from a 33 is solved in an experimental system. The debugged system will come up in a few days. I'll let you know when it does.
Progress Toward Entering Lower Case Characters from a 33

(J14423) 14-FEB-73 16:59; Title: Author(s): Van Nouhuys, Dirk H. 
/DVN; Distribution: /nqn (you might be amused by the files Mickey and Jane in my or Documentation's directory) ehf dhc ; Sub-Collections: SKI-ARC; Clerk: DVN;
14423 Distribution
Neigus, Nancy J., Forman, Ernest H., Crocker, David H.
TNLS has never provided a default name on output file. Thus, CA does not work here. You must type the file name or use update which does default to the current file.
No TNLS Bug on Output File -- (14387,)

(J14424) 14-FEB-73 10:19; Title: Author(s): Lehtman, Harvey G.
/HGL; Distribution: /bugs kirk ; Sub-Collections: SRI-ARC BUGS; Clerk:
HGL;
14424 Distribution
Kaye, Diane S., Lehtman, Harvey G., Irby, Charles H., Kelley, Kirk E.
14425 Distribution
Kline, Chuck S.,
Lost Journal Articles

Dave-- John Isseli (JI) of MITRE-TIP lost two journal articles:
NIC 14358  DHC --> JI  9-FEB-73  23:17
NIC 14365  JI --> RWW,AAM,SDC2  9-FEB-73  23:45
The first never made it to his Journal branch, the second to his author branch. Can you trace these for me and find out why they didn't get delivered? Thanks. --Jim
14426 Distribution
Hopper, J. D.
invitation for collaboration on INFOPRO RFC

Gentlemen:

The file INFOPRO under <MITRE-TIP> contains a DRAFT of an RFC for proposing the development of a network information protocol. It would be appreciated if you could read this document at the NIC and consider collaborating in its formal submission (if you can endorse the ideas therein contained.) Review comments and suggested changes are welcome and will be coordinated by JI and EHF. Your coordination and collaboration is being solicited in the belief that the problem of adequate and available arpanet server host information is an important one and that if the product of this effort (proposed RFC) is initially endorsed by a wider community, that it will receive and be accorded more serious consideration.

Please direct your acceptances (or other) and comments/suggestions to JI@NIC. We feel a sense of urgency in formally submitting the RFC, thus, your prompt consideration would be greatly appreciated.

Responses are requested by 20 February 1973. Thank you
14427 Distribution

Hicks, Gregory P.; Deutsch, L. Peter; McKenzie, Alex A.; Crocker, David H.; Crocker, Steve D.; White, James E. (Jim);
Are you having trouble getting on the system? This might be just for you.

TENEX NOT AVAILABLE, DEBUG SESSION IN PROGRESS
LOAD AV 7.84 6.23 5.40
Sorry, only 15 local users
Do you know how to load the IMLAC? I don't.

DEX is just the thing for you

There are two and a half free DEX set-ups available not to mention the two in the PSO Office.

One is in the Parsley room. One is in the PSO work room, and the half is in the PSO work room until noon. These DEX terminals are available on a first come, first serve basis to anyone.

Get your blank cassettes from Kay Byrd, Get your DEX user guides from Susan Lee, and give your completed tape to Kirk Kelley to run into the system when the load average is low.
Are you having trouble getting on the system? This might be just for you.
Suggestion for a reset viewspecs command

One comment by a person at the recent TNLS course, which I think it is worthwhile to pass on: it would be nice to have a command which resets all viewspecs to their default values. This is especially useful for beginners, who don't know all the viewspecs anyway, and also useful I think for display users (like me) who make ungodly mistakes in typing and wind up with unwanted viewspec settings, most of which I don't even know I have set.
Suggestion for a reset viewspecs command

(J14429) 14-FEB-73 7:41; Title: Author(s): Kudlick, Michael D. /MDK; Distribution: /bugs; Sub-Collections: SRI-ARC BUGS; Clerk: MDK;
The purpose of this note is to get the design-review-implementation cycle outlined in (14164,) launched.

The tasks and task areas listed in (14164,) are in various stages of the cycle, some are deep into implementation, others are not started, and some are in the middle someplace.

What I want to have happen is for the pusher of the design team and the pusher of the corresponding review team to get together and discuss the task or task area and agree on where in the cycle they are and to send me a note say by the end of next week telling me what the status is. I will collect these together and publish the result so everyone can know what's happening.

For tasks in implementation, the review pusher should the design document and ask if there was ever any review. If there is no design document and was no review I would like implementation to stop and a design document get produced and a fast review to take place. In the note to me describing status, please enclose a link(s) to the appropriate design and requirements document(s) if they exist.

I am particularly concerned that task areas which are more in the nature of an ongoing process, such as Tenex and NLS Efficiency, or some Analysis tasks, or resource notebook, or CCN operations for example have a plan of attack type document which gets reviewed.
Getting the Design Review Implementation Cycle Launched

(J14430) 14-FEB-73 9:00; Title: Author(s): Watson, Richard W. /RWW;
Distribution: /sri-arc ; Sub-Collections: SRI-ARC SRI-ARC; Clerk: RWW;
I slipped up in creating the design and review teams for the Novice-Expert Mode Spectrum task area by not including either Marilyn or Dirk who represent documentation and training. Let me add MFA to the design team and DVN to the review team to correct that oversight. I tried to have the appropriate interlinked areas have representation, if there are other areas where I missed something please let me know. Thanks
Correction to Slipup in Creating Design Review Teams

Title: Author(s): Watson, Richard W. /RWW;
Distribution: /sri-arc ; Sub-Collections: SRI-ARC SRI-ARC; Clerk: RWW;
Can We allow more Local Users

With recent improvements to Tenex and NLS is it reasonable to increase the number of local users allowed on the system to say 17 or 18?
Can We allow more Local Users

(J14432) 14-FEB-73 9:10; Title: Author(s): Watson, Richard W. /RWW;
Distribution: /pr jcn dia dcw ; Sub-Collections: SRI-ARC; Clerk:
RWW;
February 22 is OK

I'll be here "after the Network Mail meeting" to talk with you and will invite Tom to come if he can. Thanks on the printer --

Walt
INTRODUCTION

The ARPANET is currently undergoing a transition to an environment in which network resources will be made available to a larger user base. This emergent user base already contains a significant number of terminal users not associated with a server site. Information relative to network host services and access characteristics is needed to encourage and assist new users.

To date, the Resources Notebook has been the primary outlet for efforts to provide users with Network-wide information. A separate RFC, from the NIC, discusses the past and current history more completely. In this RFC, we would like to second the NIC's suggestion for the formation of a Working Group concerned with User Information and Services; and we would like to offer a specific suggestion for consideration at the NIC's proposed meeting.

PROPOSAL

Many of the problems associated with the lack of adequate Network information are caused by the many compilation steps. Too many resources (most of them human) are required. In addition to delay, errors are introduced. Part of the solution is to place the acquisition of basic information closer to the source and make the source responsible for the acquisition and maintenance.

The "source" is distributed around the Net and, therefore, the proposal is to develop and implement a distributed and extensible network data-base which contains the desired information. This would require each server site to create and maintain an information file locally and/or at the NIC. As a further (more downstream) step, a mechanism to access these files could be specified and implemented.

People at different sites would thereby be able to use the tools most comfortable and accessible to them.
An interesting technical issue involves making the disparate files accessible by an automaton. The NIC is currently attempting to smooth out the interface between NLS and non-NLS files, and this seems like a reasonable object for such efforts.
Distribution

Fink, Robert L. , Meir, Jaacov , North, Jeanne B. , Crocker, Steve D. , Lawrence, Thomas F. , McConnell, John W. , Ollikainen, Ari A. J. ,
White, James E. (Jim) , Hathaway, A. Wayne , Foulk, Patrick W. ,
Winter, Richard A. , Van Zoeren, Harold R. , McKenzie, Alex A. ,
Winett, Joel M. , Bhushan, Abhay K. , Pyke, Thomas N. , Wilber, B.
Michael, Feigenbaum, Edward A. , Braden, Robert T. , Pepin, James M.
Wessler, Barry D. , Melvin, John T. , Kudlick, Michael D. , Lee,
Susan R. , Iseli, John , Crocker, David H. ,
Martin, Reg E. , Leichner, Gene , Falk, Gil , Iseli, John ,
Donnelley, Jed E. , Kantrowitz, William , Wolfberg, Michael S. ,
Feinroth, Yeshiah S. , Hurt, James , Hearn, Anthony C. , Stein, James H. , Shoshani, Arie , Harslem, Eric F. , Metcalfe, Robert M. (Bob),
Reussow, Bradley A. , Reins, E. R. (Dick) , Kadunce, Daniel L. ,
McCutchen, Samuel P. , Petregal, George N. , Madden, James M. ,
Young, Michael B. , Padlipsky, Michael A. , Stevenson, Schuyler ,
Deutsch, L. Peter , Davidson, John , O'Sullivan, Thomas , Seroussi,
Sol F. , Bradner, Scott , Thomas, Robert H. , Thomas, John C. ,
Romanelli, Michael J. , Stoughton, Ronald M. , Owen, A. D. (Buz)
Responding to User Needs

(J14434) 21-FEB-73 15:36; Title: Author(s): Crocker, David H., Isely, John /DHC J1; Distribution: /NLG MDK SRL JI DHC; Sub-Collections: NIC NLG; RFC# 462; Clerk: DHC;
THE ZERO ELEMENT OF THE SET?

REPLY REQUESTED
As an exercise, I did a content search on your file, 14164, for the content, "BAH." The message I received was "no such content encountered." Really, Dr. Watson...
14435 Distribution
Watson, Richard W.,
THE ZERO ELEMENT OF THE SET?
To PR re. Contact with Prof Brillinger, Statistics at UCB
To Paul first, perhaps MDK, RWW can note and intercept:

I have a "phone message" dated 15 Feb 73, 14:45, from a "Prof. Brillinger, Statistics at U.C. Berkeley 94702" (not noted who took message). A note on it says "materials ARPANET, specifically what was involved in getting into it?"

Pursuant to the recent talks Paul and I have had about special Utility subscribers (and discipline-oriented Analytic-Community possibilities), I'd suggest that Paul call him back -- like "just what is your interest? I've been asked to learn so that I can perhaps steer you to the proper people or information within our Center..." (just to help communicate what I, DCE, am talking about here). Highly likely that it will be Mike or Jeanne that can directly serve him, but I would think it worth considering for Paul to do the initial call back.

Is there a project that wants special resources? Could it in any way be one that could get interested also in exploring special "analytical Workshop" systems?

Paul, why don't you check with Mike and Jeanne; perhaps the call got shunted anyway and he got his information (in which case it still might be worth your giving him a call); or if you aren't interested right now, one of them would be the normal person to field the request anyway.
14436 Distribution
Norton, James C., Watson, Richard W., Kudlick, Michael D., Rech, Paul, North, Jeanne B.
To PR re. Contact with Prof Brillinger, Statistics at UCB

(J14436) 15-FEB-73 20:13; Title: Author(s): Engelbart, Douglas C. /DCE ; Distribution: /jcn rww mdk pr jbn ; Sub-Collections: SRI-ARC; Clerk: DCE ;
To DVN re my (14381), TI left margin problem

Dirk: re. your SNDMSG in response to my (14381),

Cutter: I find that a firm straight-edge gadget, laid down over the cut place, allows me to rip a page off quite well. I don't have a very handy one of those, so maybe somebody could be on the lookout for a make of ruler for instance that serves well like that (or some cutter, rather than a ripper, which has its dangers in use).

Left-margin adjustment for printout: Your message implies that you thought I was referring to the CR-padding problem, I guess; which isn't the case. I want to have the whole text body shifted to the right far enough so that when I three-hole punch a page of printout and put it into a binder, I haven't obliterated some of the text with the punch. There could be a physical solution, perhaps, if somebody learns how to set the left margin on a TI so it returns to start a new line say at position 4 or 5 rather than 1. Or, a TENEX-monitor solution, where it can add like 4 SP's after every EOL that it emits (the 4 SPs being invisible to the user and to TNLS). --- I made a sort of solution like that for myself, by writing an L10 program that formats and "sends" each statement during print (when invoked as a Content Analyzer), not using the TNLS formatter; and this program adds the right-shifting four SPaces to produce a nice page for me. I have to use VSPEC G if I want Statement Numbers, but that could be fixed (now, m)h produces statement numbers that aren't right-shifted). Doug.
14437 Distribution
Van Nouhuys, Dirk H., Norton, James C., Irby, Charles H.
To DVN re my (14381), TI left margin problem
TIPUS additions

Please add UCLA-NMC and UCLA-CCBS to the TIP User's Group. CCBS also needs an initial copy of the User's Guide.

Thanks.

--Dave.
Jean — I am about to copy a copy of your note into my directory, so I can write on it. I believe it is more important to get this out, than to get names on it. Kudlick wants to issue an RFC on Network 'organization' earlier next week. I think our note should be issued no later.

thoughts?
14439 Distribution
Iseli, John,
(J14439) 15-FEB-73 15:09; Author(s): Crocker, David H. /DHC; Distribution: /J1; Sub-Collections: NIC; Clerk: DHC;
I think we need to rework the perspective of the rfc, rather drastically, in light of the NIC rfc. I believe it should offer itself as an 'added voice to the plea' with a specific suggestion.
Some preliminary results of NLS command tracing: Insert Character.

In DNLS, I inserted three character into a file with Insert Character with the trace program turned on.

I did not include the specification of the command, i.e. the test only included the bug selection and three characters and the CA.

Creation of a PC was not involved.

The total execution time was 658 ms. It broke down as follows:

- 342 ms for command specification: reading the bug, the literal and the CA.
- Text insertion time was 82 ms.
- Display creation was about 235 ms. This broke down like this:
  - DN (to clear the name area???) 14 ms.
  - dismes (to clear the message area???) 30 ms.
  - seldsp (to select display area???) 12 ms.
  - display update 130 ms.
  - getdat and ddt (get and display date) 28 ms.
  - an (turn on arrow for next command) 7 ms.
  - arm (set cursor to ↑) 6 ms.

A total of 88 ms. was spent in wrtstr which includes the JSYS to write a string on the display.

I plan to do this more and get measurements parallel to Paul's, especially for the commands that are frequently used (as indicated by JFV's monitoring).

I will also measure before and after the use of the super-sin in literal collection to get a handle on the improvement.
14441 Distribution
Some preliminary results of NLS command tracing: Insert Character.

(J14441) 15-FEB-73 11:10; Title: Author(s): Andrews, Don I. /DIA; Distribution: /NPG PR RWW; Sub-Collections: SRI-ARC NPG; Clerk: DIA; Origin: <ANDREWS>BLAP.NLS;1, 15-FEB-73 10:49 DIA;
1) Steve Coles needs a user program to place some links for comments on the SIGART newsletter. He or Kirk will call you. We realize this is heavier programming than you've gotten into. Charles Irby will help you.

2) RADC will want some of their paper com'd for a demo on March 13. They will specify it early next week. Probably it will include some small catalogs.
14442 Distribution
Meyer, N. Dean; Stone, Duane L.; Irby, Charles H.; Fikes, Richard E.
Post Mortem on February '73 TNLS Class: Notice of Draft

I thought it worth while, mostly for historical purposes, to inscribe notes about our post mortem. They are in my file (vannouhuys, febtnls,). Please read and comment. When we've had a chance to think about it, I'll journalized it.
Auerbach, Marilyn F., Kudlick, Michael D., Byrd, Kay F.
Post Mortem on February '73 TNLS Class: Notice of Draft

(J14443) 15-FEB-73 17:35; Title: Author(s): Van Nouhuys, Dirk H.
/DVN; Distribution: /mfa mdk kfb (for your information);
Sub-Collections: SRI-ARC; Clerk: DVN;
what does "exceed capacity" mean when typing a journal message?
14444 Distribution
White, James E. (Jim)
,
how does one supply accurate mailing addresses for hardcopy
distribution of journal messages? the two people i have in mind
are bob gardner [rig] and karen kim [kk], the address for rig is
Computer Science Department / 3804 Boelter Hall / University of
California / Los Angeles, California 90024. for kk it is the
same except for 36805 Boelter Hall. Is the mailing address
taken from the same file that users can inspect with the execute
identification submode ??
14445 Distribution
North, Jeanne B. , White, James E. (Jim),
Hello

Hello mike -- got your message to the request for info on modelling and simulation stuff, also noted the comment on telnet and other protocols. please bring your efforts to the attention of alex mckenzie as he is organizing a telnet protocol meeting. i am interested in see your notes even if you dont publish, by the by what do you think of the proposals by walden an by thomas ?? -- jon.
14446 Distribution
Padlipsky, Michael A.
WORKING NOTES DURING the DLS/JLM visit to ARC 2/13-14
Duane et al

I am putting this into the Journal to capture it. As we agreed, the agenda or scenario for DLS's demo should be based on his file and on his ideas. The scenario below is left for reference. DLS had a good perspective and logical train of thought in his outline, I think. We surely enjoyed having you visit and feel that we accomplished much in the way of developing our thoughts on what we are about during the visit. It seems best that JCN remains at ARC, rather than be at RADC for the demo. If you file otherwise, let me know.
GOALS FOR THE RADC TO ARC VISIT

Want to end up with a SCENARIO, based on the goals of RADC for the visit.  

Build on DLS SABPITCH (stone, sabpitch,)

Want PLAN for BACKUP, ENVIRONMENT at RADC, also the RADC "PSO" how organized DEX terminals, Execuports, office layout, the RADC hardcopy, indices, printing facilities.

Having DLS JLM practice with shared screens, and other stuff so as to be more familiar.
BACKGROUND NOTES

The goals of the SAB visit...

SAB at RADC 4 1/2 yrs ago

To ESD after RADC

Continually constituted for the AF

Why to RADC now is unknown

Other visits at RADC: from (bair, sab,)

Agenda 12-FEB-73

Information Sciences Division Programs

Pattern Recognition and Applications (OLPARS)

- With demonstration

- Associative Processing Program

- Evaluation of AHI (SRI's Augmented Human Intellect)

- Data Management Systems, Development

- Software Reliability/Verification

- Higher Order Languages (Language standards and compiler generation)

- Microform Project (mpc)

Intelligence & Reconnaissance Division Programs

- Advanced Cartographic System 45 Min.

- Experimental Cartographic Facility Tour 25 Min.

- ARRES Demonstration 15 Min.

- Human Readable Machine Readable Mass Memory 30 Min.

- PACEP (Functional Expansion) 25 Min.

- Experimental Analyst Station 25 Min.

- Photo Mensuration Effort 20 Min.

- Cambridge Project (ARPA Sponsored) 15 Min.

- xUCLA Project (ARPA Sponsored) 15 Min.

- Russian - English Translation 15 Min.

- Telemetry Analysis 15 Min.
RADC SCENARIO MATERIAL

The people involved

Demo by DLS JLM + around JCN there in background as support DVN at ARC

Consider having Jim Bair in the room taking notes on an Execuport... load it at the end of the session.

Placement of viewers... work out DLS imlac with 4 SAB by monitor.

RADC has telephone amplifier?? use mike?

RADC goals for the SAB demo

SHOW AUI IN ACTION... but limit to essentials

Get across that NLS is not a text editor ... it is a new kind of knowledge-worker's workshop... the start of a new technology.

Act of using the system in talk helps get across the idea that it is not just a text editor

Show Journal... remote collaboration... shared screens... ARC/RADC interaction

Elements of an Augmentation System... show the tools... mouse, keyset..NLS basics

Show the agenda and let them pick what they want?? time short?

GET ACROSS RADC GOALS in the project

Use the system to get benefits, keep up with the tech, and evaluate for AF uses.

Reduction in manpower due to $ pressures in government.

How much does AHI cost NOW?? long run what is trend in costs.

More complex problems need solving

Remote collaboration over space and time... dialog.
new way to work together... recorded dialog... available for many to see and use. ideas get used.

RADC proposal (8347,3b:wyn) best statement of RADC/ARC goals

THE AUGMENTATION RESEARCH CENTER

The ARC is a community of researchers, supported by several different contracts, in which the research activity is aimed at exploring the possibilities for augmenting individuals and groups in the performance of intellectual work with the help of real-time computer aids and the actual experimental development of computer aids and augmentation systems.

The researchers within ARC do as much of their work as possible at display consoles (depending on console availability and whether a specific task can appropriately be done at a console). Thus they serve not only as researchers but as the subjects for the analysis and evaluation of the augmentation systems that they are developing.

Consequently, an important aspect of the augmentation work done within the ARC is that the techniques being explored are implemented, studied, and evaluated with the advantage of intensive everyday usage within a coordinated working environment that is compatible with the particular techniques being studied.

THE RADC/ARC COOPERATIVE EFFORT

The Augmentation Research Center has developed, over a period of years under Government sponsorship, a general-purpose interactive augmentation system. The goal of this work has been to develop a prototype system that will aid in significantly improving the performance of individuals and teams engaged in intellectual activities through daily use of the tools, procedures, methodologies, and languages.

The technology has a potential of improving job performance in other working environments. As integration of augmentation techniques into such
other environments is being considered, questions need to be be investigated regarding specific design features, the extent of anticipated improvement in users' effectiveness, and cost.  

To investigate these questions, it appears useful for the technology, as currently developed, to be used by a limited but significant number of RADC people, performing necessary and varied tasks, over an extended period of time.

These people must be trained to different levels of competence in the use of the system, depending upon the nature of their jobs and the tasks they perform. In addition, new procedures and methods must be developed to allow effective use of the system in the RADC working environment.

RADC to put references online of AF statements that generally support this effort,. cost reduction Gen Ryan, DLS has a stack 4-5 of them..

RADC index (cat-work, radcaincfl, 1:x)

Makes getting appropriate people together to tackle jobs that otherwise wouldn't get done. Network interest groups as examples.. SIGART newsletter online... bearing on AF use of AH1.

(sigart, feb73newsletter,)

Some ideas we (ARC/RADC) want to get across (see goals above)

Note refer to ARC planning RADC is monitor of ARC contract for ARPA... use of Journal and NLS to do the job... show links to ARC planning documents (14164,)

RADC is an ARPANET participant and a relatively heavy user of the NET... one of the first display users.

Some reasoning to use:

A lot of the RADC job is to take advantage of the work that is going on and use it in managing the R&D - make use of consultants.
RADC is in the R&D management business.

JLM: one of the goals of the AF look is to affect Planners in the Pentagon, action offices get them on, involved. Now inefficient, slow... needs help like Congress.

Many yrs off before effect on them??

Relevance to RADC work now......if not done now, it delays the time when the places in the AF where needed will get it.. understand, accept it.

This depends on the viewers believing the RADC/ARC goals and understanding that NLS/KWW is not just a text editor.

It is being used in other than RADC environments... utility, ARPANET, Xerox, ARC,...

RADC is using on many different job types, sets of tasks.. documentation, communication in Journal, text processing, forms, soon, calculation, meetings,, project management at RADC and at ARC

RADC use has an effect on the shape of the AHI system that is being developed by ARC... Soon to include others.. effect on better documentation.

Secy of State complaints about non-access to thoughts of others who he relies upon.

Miscellaneous ideas

Timing: estimate of AHI time 1 to 1 1/2 hours... like 11:00 to 12:00 ET

Set up for alternate time switch.. even though ARC will be very careful to have people here to backup.. (and JCN there)

Have another IMLAC logged in and already loaded to use if the first one dies.

At least have another terminal Execuport ready for restarting...
If the TIP goes down... try TNLS from an Execuport over a dialup line??

QUESTIONS you can expect

Files... how handled

What about the garbage you file... keep forever...

No, it gets flushed to tape... no problem there yet... later flush out of there... also, storage is getting cheaper.

File privacy... how handled...

Answer: openness is very powerful... Journal... but TENEX handles well.

Training... use of keyset... hard to learn??

No NLS learning overall is like learning to drive a car.

Link to DVN training file outline (vannouhuys, train,)

JLM (mcnamara, staffmeet,) for schedule of presentations by RADC

This is like a believe it or not but as I understand it we have 4 pitches within a month. Gabe, Col. Danielian data processing committe, Gen. Robbins and the SAB.

The dates are (as of now) Robbins 26 Feb., Adp committe 182 March, SAB 13 and 14 March.
ARC ACTION

List of ARC ACTIONS to follow 2/13-14 meeting (JCN added 13-FEB-73 17:15)

Finish Journal for RADC - send hardcopy, leave in formatted files

JCN: write about what we are about, Aug sys, KW reach out via net to other tools, but here need to work with ideas, need text editor, but that is not really what we are about, some people look and just see the editor, unfortunate, what we are really doing is building a much greater work space with tools, the Journal, intell sys, output processing, etc.

Printout RADC hardcopy - send in binders

Give DLS some printer paper, send a box?

COM some?

Help with blurb with RADC and ARC goals?

Loan pictures - slides?

Finish and checkout calculator, at least for initial demo use?

Checkout shared screens and DNLS link use, document.
TRIAL SCENARIO (by JCN)

OPENING REMARKS

OVERALL NATURE of the AHI (AKW?) RADC effort

ARC - AKW/NLS developed 10 yrs - ARPA net use

Long term ARC GOALS and plan brief

Long term RADC GOALS and plan brief

OVERVIEW of AKW

Elements of Aug sys:
people, tools, methods, languages, training

NLS text editing, file handling, linking document production, communication

Essence: integrated system of tools, methods, languages etc. not a text editor

EXAMPLES of NLS use

Editing links, split screen, Journal entry, files, indexes/links

Shared screens, calculator

RADC PLANS for future use... Workshop utility, AF evaluation, looking for broader applications in the AF

SUMMARY OF KEY IDEAS

Short term

Longer term
14447 Distribution
Van Nouhuys, Dirk H.; Stone, Duane L.; McNamara, John L.; Watson, Richard W.; Engelbart, Douglas C.;
WORKING NOTES DURING the DLS/JLM visit to ARC 2/13-14

(J14447) 15-FEB-73 18:12; Title: Author(s): Norton, James C. /JCN;
Distribution: /DVN DLS JLM_RW W DCE; Sub-Collections: SRI-ARC; Clerk:
JCN;
Origin: <Norton>RADCACTION_NLS;2, 14-FEB-73 15:55 JCN ;
HJOURNAL=" JCN 16 FEB 73 2:37AM xxxxx";
Lost Journal Deliveries

We have found a glitch in NLS which could explain some of the complaints we have been having about lost journal delivery.

A user who has his initial file loaded but not locked at the time of journal delivery and who then edits his file (without reloading it after the delivery) will lose the contents of that delivery.

This will be correct very soon.
14448 Distribution
Iseki, John, Van Nouhuys, Dirk H.,
Chris, I need a phone number and password for Kuo so that you guys can be users on our system, as per ARPA request, etc. Thanks, John Melvin.