

Lost Superwatch Book

Strangely enough, the book containing printouts of the Superwatch weekly averages has disappeared. If you have it could you either let me know or return it? Thanks

1

SRL 18-MAR-74 08:23 22409

Lost Superwatch Book

(J22409) 18-MAR-74 08:23; Title: Author(s): Susan R. Lee/SRL;
Distribution: /SRI-ARC; Sub-Collections: SRI-ARC; Clerk: SRL;

Viewspec problem with jump to predecessor and successor

When statement numbers are turned off, and you jump to predecessor or successor and turn on numbers during the jump, only the top or bottom statement on the screen gets a number. Then if you jump to an item, all items previously located off the screen will have a number but those previously on (and still on) won't. Viewspec f turns all numbers on. The problem is the same for viewspecs on left and right.

1

Viewspec problem with jump to predecessor and successor

(J22411) 18-MAR-74 14:33; Title: Author(s): Susan R. Lee/SRL;
Distribution: /NEWNLS; Sub-Collections: SRI-ARC NEWNLS; Clerk: SRL;

Question About Secondary Distribution

The EPAC People would express interest in things like your item (JJOURNAL, 22384,). Should I bring it to their attention?

1

Question About Secondary Distribution

(J22412) 18-MAR-74 14:38; Title: Author(s): Dirk H. Van
Nouhuys/DVN; Distribution: /DCE JCN(fyi); Sub-Collections: SRI-ARC;
Clerk: DVN;

JOVIAL PROGRESS

Duane has got two chapters of the JOVIAL Manual journalized as (jjournal,30219,) and (jjournal,30205,). I have printed and ODP and a COMtest version of the former and will mail you copies.

1

JOVIAL PROGRESS

(J22413) 18-MAR-74 15:01; Title: Author(s): Dirk H. Van
Nouhuys/DVN; Distribution: /NDM &DPCS DLS(fyi); Sub-Collections: SRI-ARC
DPCS; Clerk: DVN;

The Problem of Knowing What Your Neighbor is Doing at ARC, and a Proposal

Recently I have had a number of occasions on which to try to explain to applicants the organization of ARC. This necessity has set me to thinking, 1

Let me briefly summarize what I say: There is Doug, he is the boss; We can pretty well say what he does; Dick administers building new things, and Jim keeping the old ones going. Every person is in some sense attached to one or the other side of this division. Below Dick and Jim things are not so clear. In fact most people, though not all, split their time among two or more functions, and there is a soup little projects where one person may lead in one undertaking---be responsible for completion and guiding the works of others--- and follow in another. 2

I also say there is less managerial oversight and follow up on these projects than in the average (non-research) organization. 3

The people I talk with most think that sounds great and I have to press on them a caveat that, although this system or lack of it allows more initiative, independence, and related satisfactions, a price is paid in non-communication and isolation. 4

"After you've been working on something a few weeks and nobody's mentioned it, you'll begin to wonder if anyone cares."...I assure them that, although they don't believe me, they will have these feelings if they come to work here and that although I by nature like to work alone, I have had them. 5

I also talk about communication. I wish to stress my canned speech about communication here. I explain that in a hierarchical organization a guy tells his boss, the boss tells his, and that gal tells some one else who works for her, and so on back down to some one else on the work level who needs the knowledge. That is a funny way to communicate, but people expect it and it works after a fashion. 6

We have no such tree paths here. There are lots of ways we might replace that hierarchical communication system, but we mostly don't. 7

Time after time I have wasted time or misinformed some one because I did not know what people working close to me were doing. 8

PODs were relevant, but, for whatever reason they did not really serve as an information dissemination medium. 9

Doug's all-ARC meetings are relevant, but they are usually occupied by some special occasion, and the dialog Doug-->Group tends to take over and inhibit workaday communication. 10

The Problem of Knowing What Your Neighbor is Doing at ARC, and a Proposal

The journal is relevant, but the only things that appear in the journal are those troublesome enough to write down and submit, and the speed of give and take is very slow.

11

In attempt to reduce this problem where I could, I have instigated PSO meetings. (journal,17143,) etc. It is important that I try to chair these meetings briskly, and they are solely for information exchange. I refer all problems that require discussion or contention to some other meeting. Our meetings consist simply of each of us telling what she or he has been doing since the last meeting. They have never failed to prove illuminating to me, but not everyone agrees (journal,14256,).

12

Mike Kudlick holds similar NIC meetings.

13

My Proposal

14

I would have Doug hold staff meetings with some group larger than the EMC and less issue-oriented than the PERC...the people who actually talked to Feilds and Perry recently might be a good start (RWW, JCN, CHI, PR, MDK, CHI).

14a

I would have these people in turn meet to exchange information with colleagues. A few people might have to attend two meetings; a few of that list might double up in a meeting.

14b

I would have these meetings be a continuing cycle (not a shower started by infrequent Doug meetings).

14c

This proposal rather resembles the Interest Groups proposed by Fir POD once upon a time (journal,10450,), but is more oriented toward common interests that come out of actual work rather than fields of specialization.

14d

The Problem of Knowing What Your Neighbor is Doing at ARC, and a
Proposal

(J22414) 18-MAR-74 15:23; Title: Author(s): Dirk H. Van Nouhuys/DVN;
Distribution: /SRI-ARC MRP NJN DHC JFV &PODAC; Sub-Collections: SRI-ARC
PODAC; Clerk: DVN;
Origin: <VANNOUHUYS>NONORG,NLS;1, 18-MAR-74 15:09 DVN ;

Test of XNLS SendMail Subsystem

Please ignore this message.

Test of XNLS SendMail Subsystem

This message was submitted via the SendMail subsystem in the new XNLS. Congratulations to us, -- Charles.

1

Test of XNLs SendMail Subsystem

(J22415) 18-MAR-74 16:43; Title: Author(s): Charles H. Irby/CHI;
Distribution: /NPG(* info-only *) RWW(* info-only *) ;
Sub-Collections: SRI-ARC NPG; Clerk: CHI;

I think you're proposal (22414,) is good. I'm in favor of it.

1

(J22416) 18-MAR-74 19:22; Title: Author(s): Kirk E. Kelley/KIRK;
Distribution: /DVN; Sub-Collections: SRI-ARC; Clerk: KIRK;

OFFICE-1 Initial Activities for ARPA: Text of Sndmsg to C. Fields

The following is the text of a Sndmsg I sent to Craig Fields of ARPA today as a quick response to aid him in writing his justification for adding the remaining first year funding of 194k for the ARPA Office-1 contract:

In response to your sndmsg of this morning we submit the following comments re: OFFICE-1 ARPA-RELATED ACTIVITIES. These are being provided as per SRI Proposal ISU-73-5 (14946,2:gw) and as negotiated with RADC for ARPA and RADC Service

STATEMENT OF ACTIVITIES TO DATE

FACILITY CHECKOUT IN DECEMBER, SERVICE STARTED IN JANUARY

Pager problems delayed the start of service. A replacement pager was supplied by BBN, solving the problem and permitting service to commence 18 Jan 1974.

During the first full month of operation (February): uptime was 99.71 % for Tymshare Office-1 PDP-10 TENEX. Overall uptime was 99.45 % with net downtime. This is on the 16 hour, 6 day available basis per contract.

(Total Downtime: 2 hrs 17 minutes; Tymshare responsibility: 1 hr 17 minutes out of 448 hour coverage period)

ARCHITECTS' TRAINING COURSE

ARPA's Workshop Architect (C. McLindon) attended a week-long meeting at SRI-ARC with others in that role in January.
(see-- 21319,1:wyn)

Many interactions between Ms. McLindon and Office-1 staff relative to setting up ARPA directories, training of initial people in NLS, user problems and needs.

NETWORK INFORMATION CENTER (NIC) USERS SHIFTED TO OFFICE-1

About 50 site directories in use with files transferred from SRI-ARC to Office-1.

SUPPORT OF THE DEIS PROJECT UNDER ARPA NMRO Energy Program, (see SRI Proposal ISU 74-25 --21447,1:wyn)

On-line documentation and communication support for two Energy Problem Analysis Centers (EPAC) offices (Menlo Park, Calif. and Arlington, Va.) and the NMRO and DOD Defense Energy Offices (DEO).

OFFICE-1 Initial Activities for ARPA: Text of Sndmsg to C. Fields

INITIAL SEISMIC DATA MANAGEMENT SYSTEM (SDMS) USE PLANNING WITH NMRO
AND MIT-LL SEISMIC DISCRIMINATION GROUP.
(see SRI Proposal ISU 74-52 --21883,1:gwy)

ARPA EXECUTIVE STAFF DIRECTORIES SET UP AT OFFICE-1:

50 directories initially for SNDMSG, RD, READMAIL, TECO backup use
working toward gradual introduction of selected offices to NLS
methodology.
(see --22371,1:wyn)

STATEMENT OF INTENT FOR FOLLOW-ON WORK

We will continue to provide computer and people support service in an
increasingly more effective manner from Office-1 throughout the
balance of this initial contract, while expanding the facility and
staff to provide service to additional subscriber organizations.

We plan to organize the Utility operations and business planning for
smoother day-to-day operation and orderly growth.

We plan improvements in the group allocation and internal system
scheduling systems for better allocation of system resources to ARPA
and other subscribing organizations.

We will continue to study system performance to determine what
adjustments in the hardware or software should be made for
improvement and to get an idea of what to add in the next expansion
step.

We will work with the ARPA Workshop Architect to select ARPA offices
for gradual introduction to NLS and associated methodology.

We are still developing our training methods and will continue to do
so, while training selected ARPA office users.

Copy of Fields' Sndmsg Request

(FIELDS) 18-MAR-74 0935-EDT at BBN-TENEX: OFFICE-1 FUNDING
Received at 18-MAR-74 06:33:45

I AM IN THE PROCESS OF WRITING A MEMO TO GET 194K OF
INCREMENTAL FUNDS FOR OFFICE ONE. SINCE I DON'T HAVE ANY
PROGRESS REPORTS, ETC ETC I NEED YOUR HELP:

ABOUT 20 LINES ENTITLED "STATEMENT OF ACTIVITIES TO DATE"

ABOUT 20 LINES ENTITLED "STATEMENT OF INTENT FOR FOLLOW-ON WORK"

OFFICE-1 Initial Activities for ARPA: Text of Sndmsg to C. Fields

I NEED THIS INFO IMMEDIATELY SO I CAN WRITE THE MEMO THIS WEEK SO THERE WON'T BE A BREAK IN FUNDING - AS USUAL I FOUND OUT ABOUT THIS 7 MINUTES AGO, PLEASE DO THE BEST YOU CAN UNDER BIZARRE CIRCUMSTANCES.

THANKS

BEST

CRAIG

OFFICE-1 Initial Activities for ARPA: Text of Sndmsg to C. Fields

(J22417) 18-MAR-74 20:27; Title: Author(s): James C. Norton/JCN ;
Distribution: /rww dce jhb wrf mdk jdj ; Sub-Collections: SRI-ARC;
Clerk: JCN ;
Origin: <NORTON>FIELDS,NLS;1, 18-MAR-74 20:24 JCN ; .PN=0 ;

Letter to Bob Spencer at DDSI

Augmentation Research Center
 Stanford Research Institute
 Menlo Park, California 94025

Robert H. Spencer
 Data Dissemination Systems Inc.
 11161 West Pico Boulevard
 Los Angeles, California 90064

Dear Bob:

We have not forgotten you, Dean and I have been tied up on a
 crash project. 1

Meanwhile a substantial Network customer has come into view.
 The Rome Air Development Center is interested in publishing
 an 800-page JOVIAL manual via NLS and COM. 2

This letter is to double check our procedure for billing
 non-ARC Network customers. Since the bill will be large and
 Rome's billing involves a lot of government red tape, I
 imagine there will be future conversation between you and the
 people at Rome, mainly; 3

Stone, Duane L.
 Rome Air Development Center (ISIM)
 Griffiss Air Force Base
 Rome, New York 13440

Phone: (315) 330-3857; 3a

The manual is very complex typographically. We will be
 working with Rome in the next few weeks to to check their
 setup of the layout. I would guess there will be many short
 trial drafts and at least one complete draft before the final
 printing. 4

Letter to Bob Spencer at DDSI

sincerely,

Dirk H. Van Nouhuys
Augmentation Research Center

DVN/slj

Letter to Bob Spencer at DDSI

(J22418) 19-MAR-74 08:57; Title: Author(s): Dirk H. Van Nouhuys/DVN;
Distribution: /DDSI DPCS; Sub-Collections: SRI-ARC DDSI DPCS; Clerk:
DVN;
Origin: <VANNOUHUYS>SPENCER.NLS;3, 19-MAR-74 08:16 SLJ ;

Netcomment and Netgripe idents

In reply to your note I do not believe I received a request to set up the idents NETCOMMENT and NETGRIPE. I referred the suggestion to our analysis and feedback group here (Susan Lee specifically). She says she has been in contact with you before, and is more knowledgeable than I am on the subject. Perhaps you can discuss this with her.

1

Netcomment and Netgripe idents

(J22420) 19-MAR-74 09:54; Title: Author(s): Elizabeth J. (Jake)
Feinler/JAKE; Distribution: /FEEDBACK SRL(for your info);
Sub-Collections: SRI-ARC FEEDBACK; Clerk: JAKE;

Re (22401,)

Is there a in the origin? Would you like me to look at the file?

1

Re (22401,)

(J22421) 19-MAR-74 11:34; Title: Author(s): N, Dean Meyer/NDM;
Distribution: /DVN; Sub-Collections: SRI-ARC OPIG; Clerk: NDM;

Daughter of Directive without Terminator; Re 22421

The file was an earlier version of (vanNouhuys,r&dplan,) at Office 1. There were no Flex Position Directives (though that's a good idea and I'll do it.). The version probably is on a dump but not worth restoring. I just wanted to record that curious event

1

HOST file at OFFICE-1

Jon ... I erred in preparing the blurb in <NIC>hostnames.txt

The correct info is this:

The HOST file is in <NETINFO>HOSTS.TXT at OFFICE-1.

The login parameters are

username = GUEST

password = ARPA

account# = 3

The blurb has been fixed; and the HOSTS file is there to be used, though not yet announced via RFC as such (announcement imminent)

Sorry for the confusion. Thanks for pointing out the error.

... Mike Kudlick

1

HOST file at OFFICE-1

(J22423) 19-MAR-74 16:16; Title: Author(s): Michael D. Kudlick/MDK;
Distribution: /JBP JAKE(for your info); Sub-Collections: SRI-ARC; Clerk:
MDK;

Links to Journal Items

Ken, could you fix links so that they get you to journal items when they are supposed to. This should be easy in that there are a set of routines which one can call to do all the work. See JDH or JEW for explanations of how it is done in the running system.

1

Links to Journal Items

(J22425) 19-MAR-74 19:24; Title: Author(s): Charles H. Irby/CHI;
Distribution: /KEV(* action *) ; Sub-Collections: SRI-ARC; Clerk:
CHI;

on-line journal indexes and other on-line files

Doug/Jim/Dick:

For some time there has been a problem in keeping Journal indexes and similar documents on-line. The problem is that operators and others with the appropriate status delete these files when the system is short of unused disk space.

That practice is unacceptable, in my opinion, both at ARC and at OFFICE-1. This happens far too frequently, both to the entire set of files (in directory <CATALOG>) and to individual files.

I seem to get nowhere in my attempts to curtail or stop the practice, and so I am forced to ask for your help. Any thing you can do would be most appreciated, ... Mike

1

on-line journal indexes and other on-line files

(J22426) 20-MAR-74 08:17; Title: Author(s): Michael D. Kudlick/MDK;
Distribution: /DCE JCN RWW; Sub-Collections: SRI-ARC; Clerk: MDK;

Jon Postel and NMG

Please let me know if I can add Jon Postel to the Network Measurement
Group membership. Thank you.
Marcia

Jon Postel and NMG

(J22427) 20-MAR-74 08:32; Title: ;It was RLL that I was tryinng to delete form the membership."; Author(s): Marcia Lynn Keeney/MLK; Distribution: /WEN; Sub-Collections: SRI-ARC; Clerk: MLK;

Compile Program L10 Misunderstands Address

Last night when I wnet to compile a user program in xnls, in XTNLS it kept trying to begin compiling in a statement other than the one I gave following A: in Compile Program L10, usually the preceding statemnt, although it did not seem always quite that simple.

1

Compile Program L10 Misunderstands Address

(J22428) 20-MAR-74 09:10; Title: Author(s): Dirk H. Van
Nouhuys/DVN; Distribution: /NEWNLS; Sub-Collections: SRI-ARC NEWNLS;
Clerk: DVN;

Margins

The margins in TNLS, DNLS, and on the printer do not appear to be the same again. Can somebody check this out. Since this is a reoccurring problem would it be possible to assign someone the responsibility of checking this when a new system comes up.

1

Margins

(J22429) 20-MAR-74 09:49; Title: Author(s): Elizabeth J. (Jake)
Feinler/JAKE; Distribution: /BUGS; Sub-Collections: SRI-ARC BUGS; Clerk:
JAKE;

Shipping Line Processor to SRI-Washington

Marvin Hall of C&P Telephone says our data line from here to MITRE will be installed and operational on April 4. Arlie Capps is hoping to hostt a meeting here which he expects will include a demo on the following day. Can we have the line processor etc, here before then?

1

Shipping Line Processor to SRI-Washington

(J22430) 20-MAR-74 10:50; Title: Author(s): N. Dean Meyer/NDM;
Distribution: /JCN CHI DIA MEH EKV; Sub-Collections: SRI-ARC DEIS;
Clerk: NDM;

No Offense, but...

Jim,
May I delete JFG (entered by you) or is Jim's Fictitious Group
crucial for some reason?
Marcia

No Offense, but...

(J22431) 20-MAR-74 11:57; Title: Author(s): Marcia Lynn Keeney/MLK;
Distribution: /JEW; Sub-Collections: SRI-ARC; Clerk: MLK;

First Day of Spring ARC PICNIC Thursday Afternoon!!!

There will be an all ARC picnic in Palo Alto's Foothill Park at the top of Page Mill Road on Thursday afternoon starting at 1:00 PM. Bring whatever you wish. We will try to coordinate transportation. We will leave SRI at about 12:30. You must be a Palo Alto resident or be accompanied by one to use the park, but there are enough in ARC to get by the gate. See HGL for more information.

First Day of Spring ARC PICNIC Thursday Afternoon!!!

(J22432) 20-MAR-74 12:12; Title: Author(s): Harvey G. Lehtman/HGL;
Distribution: /SRI=ARC; Sub-Collections: SRI=ARC; Clerk: HGL;

Move Boundary Bug

There seems to be a problem with the move boundary command. Instead of the new boundary being where you bug, it is where the bug is when you give the confirming bug.

Move Boundary Bug

(J22433) 20-MAR-74 12:32; Title: Author(s): Susan R. Lee/SRL;
Distribution: /NEWNLS; Sub-Collections: SRI-ARC NEWNLS; Clerk: SRL;

Mike Kudlick's Request

Jim,

If you know of any other papers by Padlipsky on CCL or UULP, written within the last 6 months or so, besides the NETED RFC, can you please tell Mike what and where they are?? By the way, did you know that one can't send a message to white ... sounds like you've exceeded your space somewhere....

Marcia

1

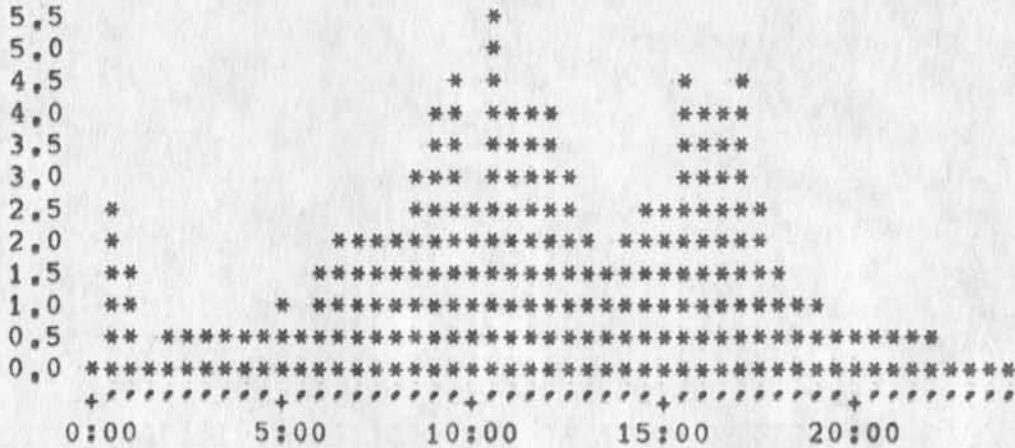
Mike Kudlick's Request

(J22434) 20-MAR-74 14:06; Title: Author(s): Marcia Lynn Keeney/MLK;
Distribution: /JEW; Sub-Collections: SRI-ARC; Clerk: MLK;

Superwatch Average Graphs for Week of 3/10/74

TIME PLOT OF AVERAGE NUMBER OF GO JOBS FOR WEEK OF 3/10/74
x axis labeled in units of hr:min, xunit = 30 minutes

1

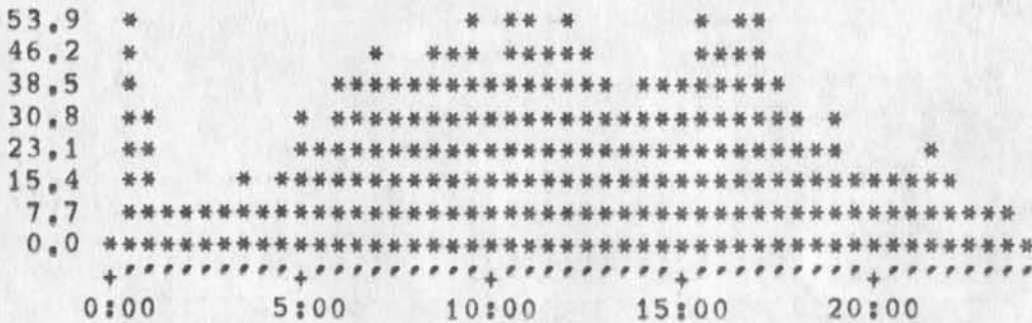


1a

TIME PLOT OF AVERAGE PER CENT OF CPU TIME CHARGED TO USER ACCOUNTS
FOR WEEK OF 3/10/74

x axis labeled in units of hr:min, xunit = 30 minutes

2

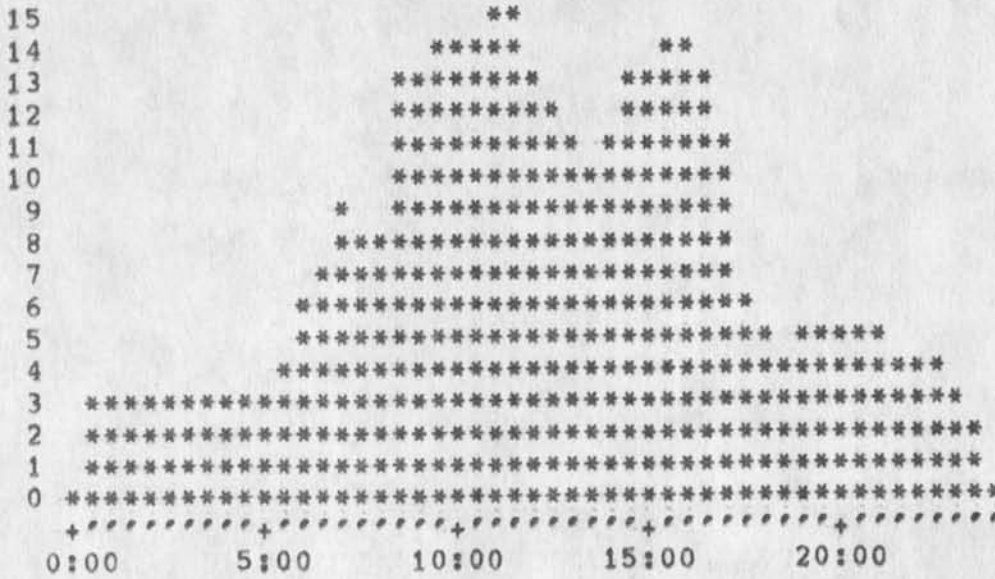


2a

Superwatch Average Graphs for Week of 3/10/74

TIME PLOT OF AVERAGE NUMBER OF USERS FOR WEEK OF 3/10/74
x axis labeled in units of hr:min, xunit = 30 minutes

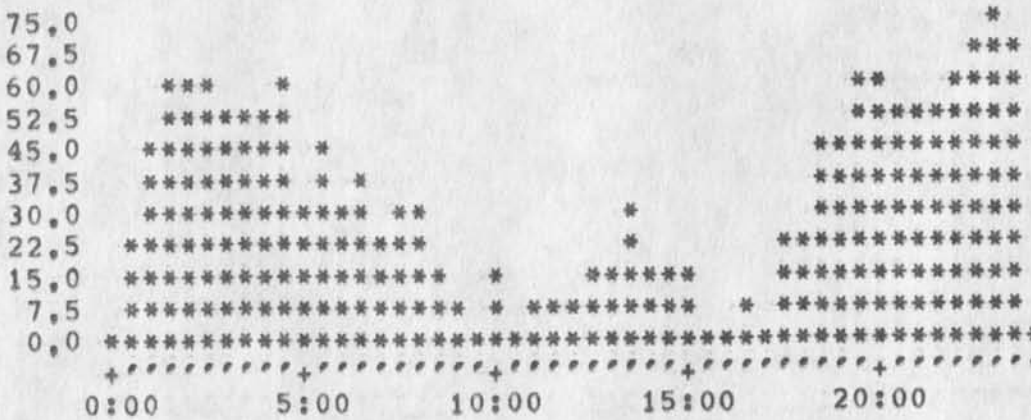
3



3a

THLD PLOT OF AVERAGE IDLE TIME FOR WEEK OF 3/10/74
x axis labeled in units of hr:min, xunit = 30 minutes

4

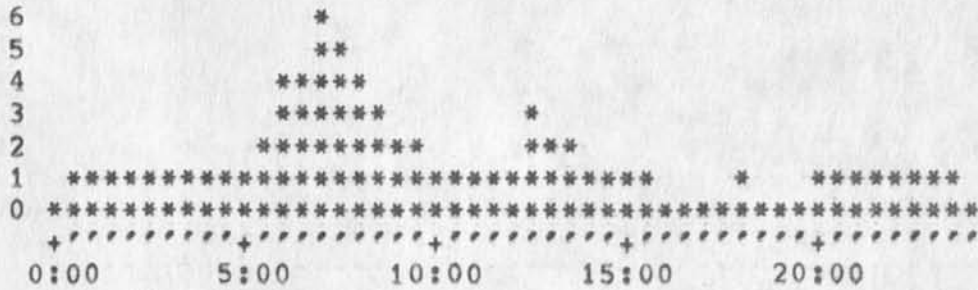


4a

Superwatch Average Graphs for Week of 3/10/74

TIME PLOT OF AVERAGE NUMBER OF NETWORK USERS FOR WEEK OF 3/10/74
x axis labeled in units of hr:min, xunit = 30 minutes

5

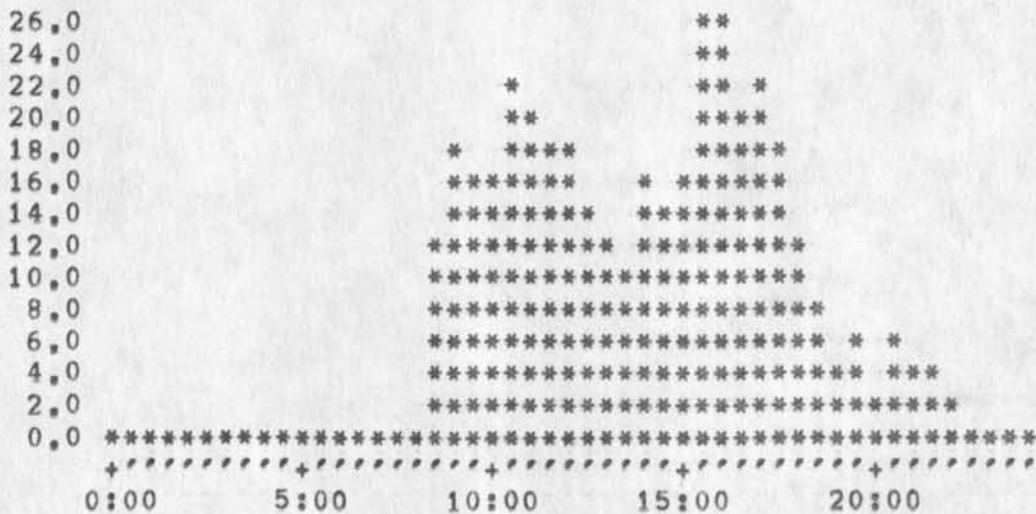


5a

TIME PLOT OF AVERAGE PER CENT OF SYSTEM USED IN DNLS FOR WEEK OF 3/10/74

x axis labeled in units of hr:min, xunit = 30 minutes

6



6a

Superwatch Average Graphs for Week of 3/10/74

(J22435) 20-MAR-74 14:14; Title: Author(s): Susan R. Lee/SRL;
Distribution: /JCN(in brief, GJ went from .5-2.0 between 6 and 8, and
#ntu went from a peak of 3 to 6 for the week's average, other minor
changes as usual) RWW DCE PR JCP DVN JAKE DLS BAH; Sub-Collections:
SRI-ARC; Clerk: SRL;
Origin: <LEE>WEEK3/10GRAPHS.NLS;1, 20-MAR-74 14:10 SRL ;

New PICNIC Location: Burgess Park

There has been a change in plans: the ARC PICNIC will be in Burgess park instead of Foothill.

HGL 20-MAR-74 14:35 22436

New PICNIC Location: Burgess Park

(J22436) 20-MAR-74 14:35; Title: Author(s): Harvey G. Lehtman/HGL;
Distribution: /SRI-ARC; Sub-Collections: SRI-ARC; Clerk: HGL;

SENDMAIL Ready

Dean-- SENDMAIL is now functioning with no known errors. The latest source and REL file are in <NET>. 'CC:' stuff is in (I've called it 'Distribution:', since the individual addressee appears in it, too). Suggest you make any more changes you wish to make, and then let's put it in the running system, so you don't have to load a user pgm all the time. Let me know if you run into any more bugs you can't fix. By the way, 'bulk mail' is prohibited only for local users and is defined (pretty much arbitrarily) to be anything greater than 4096 characters (including the header -- date, title, etc.). I'll change it if you wish. --Jim

1

JEW 20-MAR-74 14:48 22437

SENDMAIL Ready

(J22437) 20-MAR-74 14:48; Title: Author(s): James E. (Jim)
White/JEW; Distribution: /NDM; Sub-Collections: SRI-ARC; Clerk: JEW;

Long Live the Origin Statement!

Both SRI=ARC and OFFICE=1 now include the origin statement when the user retrieves an NLS file in sequential form via the ";xnls" construct in FTP.

Long Live the Origin Statement!

(J22438) 20-MAR-74 15:06; Title: Author(s): James E. (Jim)
White/JEW; Distribution: /MDK JBN; Sub=Collections: SRI-ARC; Clerk: JEW;

Re deleting online reference material, cf MDK's 22426

Mike (cc: JCN, RWW): I hear your concern, in (22426,), about important reference documents being zonked by operators (or ??) when file space gets low. It seems to me that there well might be circumstances under which that could be justified as the best course of action; but I would think generally that such files should be safe against arbitrary deletion.

1

It seems that we need a policy statement covering the summary deletion of various public reference files. It would be the responsibility of our Operations to maintian such a policy, and to see that it is followed.

2

I am hereby asking JCN (or delegate) to produce a draft statement outlining the operating conditions that seem to him to produce reasonable pressure towards deleting such files, and to suggest a policy to be followed. Then, with something specific, that is deemed realistic and workable by Operations, the rest of us can review and comment, perhaps induce a change or two. This is to include both OFFICE-1 and SRI-ARC.

3

If you have some particular files that you would like to see included under such a policy, please forward them to JCN.

4

O,k.? Regards, Doug

5

DCE 20-MAR-74 15:15 22439

Re deleting online reference material, cf MDK's 22426

(J22439) 20-MAR-74 15:15; Title: Author(s): Douglas C. Engelbart/DCE
; Distribution: /jcn rww mdk ; Sub-Collections: SRI-ARC; Clerk: DCE
;

Visit Log: 20 Mar 74, Art Scott, SRI LRPS

A young many who could use friendly counsel about computer graphics application, grad school, etc.

Visit Log: 20 Mar 74, Art Scott, SRI LRPS

Arthur G. Scott (ext 3602) is a Research Assistant in LRPS (Loc T2, Org 026), been with SRI for two months, BS in Business Administration from Babson College, Wellesley Hills, Mass. Has become interested in computer graphics and is considering going after some graduate-school training to put himself "into" that field. Interested later in working with the graphics stuff, almost as much because it has become apparent to him that it has a lot of social consequence, partly from an explicit interest in film making and other wider-media communicating.

1

He'd studied some computer books (including RWW's Time-Sharing book); has just finished going through Newman and Sproull's "Principles of Interactive Computer Graphics."

1a

Mentions that Ken Moll was doing a study about online capabilities for library-like applications; a tentative LRPS study that was dropped.

1b

After listening and talking through a hamburger lunch, I advised him to be careful about jumping into graduate school in compute science; that there seemed to me to be lots of need and opportunity now in sort of being the broker for introducing computer graphics into applications where they could make important differences. (Perhaps a year for a MS, but not n yrs for a PhD). Asked him to read the following materia, then come back and talk to some of our interested young guys -- like Harvey Lehtman, Bill Ferguson, and Dean Meyer, all of whom are aiming to go back to graduate school.

2

Gave him some literature:

3

D. C. Engelbart, AUGMENTING HUMAN INTELLECT: A CONCEPTUAL FRAMEWORK, SRI Project AFOSR-3223, October 1962 (XDOC -- 3906,)

3a

D. C. Engelbart and W. K. English, "A Research Center for Augmenting Human Intellect", AFIPS Proceedings, Fall Joint Computer Conference, 1968, Washington, D.C. (XDOC -- 3954.)

3b

D. C. Engelbart, "Intellectual Implications of MULTI-ACCESS COMPUTER NETWORKS", A paper for the Proceedings of The Interdisciplinary Conference on Multi-Access Computer Networks in Austin, Texas, April 1970, (XDOC -- 5255.)

3c

D. C. Engelbart, COORDINATED INFORMATION SERVICES for a DISCIPLINE- OR MISSION-ORIENTED COMMUNITY, paper presented at the Second Annual Computer Communications Conference, San Jose, California, 24 January 1973. (Journal, dated 12 Dec 72 -- 12445.)

3d

D. C. Engelbart, R. W. Watson, J. C. Norton, THE AUGMENTED

Visit Log: 20 Mar 74, Art Scott, SRI LRPS

KNOWLEDGE WORKSHOP, paper presented at the National Computer Conference, New York City, June 1973. (Journal -- 14724.)

3e

DCE 20-MAR-74 15:40 22440

Visit Log: 20 Mar 74, Art Scott, SRI LRPS

(J22440) 20-MAR-74 15:40; Title: Author(s): Douglas C. Engelbart/DCE
; Distribution: /hgl ndm wrf dvn kirk chi kev ; Sub-Collections:
SRI-ARC; Clerk: DCE ;

DVN 20-MAR-74 20:21 22441

Against Command Words in HELP, For more Views,

Responds to (jjournal,22242,)

Against Command Words in HELP, For more Views.

I feel particularly strongly about getting rid of command words in the HELP system (jjournal,22424,3a).

1

They seem a gross encumbrance to learning because, as noted, of the variety of recognition schemes, and an encumbrance to use once you've learned the system

1a

If possible we should be rid of command words when the experimental system becomes the running system at ARC, a time when a lot of people will be learning to use HELP.

1b

View specification (jjournal,22424,3d) seems to me a more complex issue. My best guess is that a naive user will want to see all the information in the parent node before he deals with the menu. In fact I think that showing many small nodes is a good way to build up a general picture in many people and circumstances. However I can imagine more experienced or deductive users longing for the views Kirk describes. I think they should be available too. I think we can delay adding new views until the next version of the system based on the experience that will soon be upon us.

2

Against Command Words in HELP, For more Views.

(J22441) 20-MAR-74 20:21; Title: Author(s): Dirk H. Van Nouhuys/DVN;
Distribution: /DIRT LEG(I am particularly interested in your thoughts
on command words) NEWNLS; Sub-Collections: SRI-ARC DIRT NEWNLS; Clerk:
DVN;

USING 12 -- I'll try to submit it

Don't know what the problem is -- that number was assigned to NICSTA -- does that help?? I think you had better consult Dave Hopper about any such problems (his ident is JDH and sndmsg is HOPPER@SRI-ARC) as he is the one who made all these changes in the first place. I just don't know enough about it.

1

MLK 21-MAR-74 08:29 22442

USING 12 -- I'll try to submit it

(J22442) 21-MAR-74 08:29; Title: Author(s): Marcia Lynn Keeney/MLK;
Distribution: /DHC; Sub-Collections: SRI-ARC; Clerk: MLK;

That easy little 10 minute program

Jim,

When you do that easy little program to insure that journal RFC's go to RFC, can you please prevent them from going to NLG, NSAG, and NAG?? We are now not supposed to let the journal deliver RFC's to these people as online delivery of an RFC is not enough for people who are supposed to keep a hardcopy on file for site use. If this is confusing, ask me or Mike and I can explain it better. In any case, an RFC should go to group RFC and NOT (i.e. should be prevented from going to) NLG, NSAG, and NAG. Thanks, Marcia

1

MLK 21-MAR-74 08:53 22443

That easy little 10 minute program

(J22443) 21-MAR-74 08:53; Title: Author(s): Marcia Lynn Keeney/MLK;
Distribution: /JEW; Sub-Collections: SRI=ARC; Clerk: MLK;

Sorry for the Annoyance

Sorry for the confusion, Please ignore 21997, Jean NOrth was the
real author, masquerading as me, and testing out some software,
--Jim

Sorry for the Annoyance

(J22444) 21-MAR-74 10:35; Title: Author(s): James E. (Jim)
White/JEW; Distribution: /IWC; Sub-Collections: SRI-ARC; Clerk: JEW;

Changes in Feedback Idents

A combined effort of Analysis and Documentation has resulted in a new plan for handling ARC feedback.

1

Briefly, what we are proposing is a common repository for ARC feedback presently being delivered to the feedback idents: NP, BUGS, and NEWNLS. A single ident, FDBK, can be used to direct incoming information into the Feedback directory, or sndmsg's may be sent to FEEDBACK. The old idents would remain in existence for a time to accomodate users who are accustomed to them and for possible future use. It seems that maintenance of the file would be easier if distribution were limited to it, but if you would like to continue to be on the distribution for one of these idents, let me know.

2

Since you currently receive items sent to NP and/or BUGS, we thought you might also have comments or suggestions. For a more detailed description of the mechanism, see (analysis,nls,1)

3

Changes in Feedback Idents

(J22445) 21-MAR-74 11:01; Title: Author(s): Susan R. Lee/SRL;
Distribution: /RWW CHI HGL PR(fyi) KIRK(fyi) JCN(fyi); Sub-Collections:
SRI-ARC; Clerk: SRL;
Origin: (LEE, FID,NLS;2,), 21-MAR-74 10:52 SRL ;

Network Information

A new version of the IMP software will be installed from BBN between 4-6 AM on TUES 26-MAR-74. The Network will therefore be down during those hours, with some small but non-zero possibility of being flaky for a few hours more.

1

Network Information

(J22446) 21-MAR-74 12:51; Title: Author(s): James E. (Jim)
White/JEW; Distribution: /SRI-ARC; Sub-Collections: SRI-ARC; Clerk: JEW;

Test of NJS

1

2

This is a test message to check out Network Journal submission,

3

4

5

6

Test of NJS

(J22447) 21-MAR-74 13:00; Title: Author(s): James E. (Jim)
White/JEW; Distribution: /JEW; Sub-Collections: SRI-ARC; Clerk: JEW;

more on deletion of on-line reference files

To Doug/Jim/Dick, re deleting on-line documents:
see (DCE --22439,) and (MDK --22426,)

I agree with Doug, that there might be circumstances under which deletion of important reference documents might well be justified, but that nevertheless such files should be safe against arbitrary deletion.

I therefore think it's appropriate that we discuss what the problems are, and what the policies are to be with respect to on-line reference materials.

Jim Norton's philosophy, as I understand it from a conversation we had, is that the <CATALOG> material I am referring to are the "most expendable" we have.

I disagree.

I think that that material is among the LEAST expendable, given our environment, philosophy, and commitment to building augmentation tools and techniques.

The fact that NIC users now access OFFICE1 has not changed the factors affecting what happens to these files at ARC. This is because first of all we are responsible for creating and maintaining these files at ARC and shipping a frequent updated copy to OFFICE-1, and secondly the users of ARC's system often have to get at these indexes to conduct their own daily work through the system. Parenthetically, it should be noted that the practice of deleting <CATALOG> files first when a disk space shortage arises goes back long before the transition to OFFICE-1.

Perhaps one place to start looking at the problem is to take a look at a distribution of what directories exist, what their space usage is relative to all space used, and who uses and needs these files.

I once took a snapshot of such data (not a bona fide study, just data for one day in Jan 1973; see -- mjournal,13820,1:hwy) and found that ...

of the 14 largest directories (those using 500 or more pages),

- 6 were program directories (8614 pages)
- 3 were journal directories (3538 pages)
- 4 were NIC directories (6446 pages)
- 1 was a user directory (708 pages)

These 14 directories represented only 10% of all the directories

more on deletion of on-line reference files

there were, but accounted for nearly 60% of all disk space in use on that day!

9b

One of the problems is the retention of redundant, seldom-used files NOT needed on-line everyday (as the indexes are).

10

Another problem is that everyone has to pay for the usage habits of everyone else. As an alternative, I think that disk allocations could be handled similarly to group allocations for login; groups could get space quotas assigned according to mutually agreed upon need, and only users in a group would run out of space, not the whole system. Then as disk space got tight, each allocation could be reduced, not just that of one directory. Such groups would be set up differently for disk allocations than for login allocations.

11

A partial solution is suggested in (13820,); but certainly Operations should make a study and present it to ARC for discussion and subsequent implementation. The present situation is not acceptable, in my opinion.

12

more on deletion of on-line reference files

(J22448) 21-MAR-74 14:55; Title: Author(s): Michael D. Kudlick/MDK;
Distribution: /DCE JCN RWW; Sub-Collections: SRI-ARC; Clerk: MDK;
Origin: <KUDLICK>SPACE,NLS;2, 21-MAR-74 14:52 MDK ;

Re--22414,)

Re--22414,)

What is EMC, PERC?

What is a POD?

1

1a

1b

JMB 21-MAR-74 21:24 22449

Re==22414,)

(J22449) 21-MAR-74 21:24; Title: Author(s): Jeanne M. Beck/JMB;
Distribution: /DVN; Sub-Collections: SRI-ARC; Clerk: JMB;

On the Useroptions Control command

I think the Control Characters command in Useroptions should allow one to add more than one user-defined character for a function. That is, when I define "!" as a Ca character, <EOL> as Ca goes away. Why can't I have both (besides <control-d>)? In old NLS, I used to be able to have both (all three, or more, though I couldn't take away <control-d>).

1

JMB 21-MAR-74 21:29 22450

On the Useroptions Control command

(J22450) 21-MAR-74 21:29; Title: Author(s): Jeanne M. Beck/JMB;
Distribution: /NNLS; Sub-Collections: SRI-ARC; Clerk: JMB;

test 3

Message:

test from ISI

1

2

3

4

test 3

(J22451) 22-MAR-74 08:02; Title: Author(s): Jerry D. Burchfiel, Clayton A. Greer, Mil E. Jernigan, Harvey G. Lehtman, Craig Fields, John D. Day, Robert H. Thomas, Alan R. Hill, Abhay K. Bhushan, Robert P. Blanc, Barbara Noble, Leroy (Lee) C. Richardson, Frank G. Brignoli, Elizabeth J. (Jake) Feinler, Michael D. Kudlick, James E. (Jim) White, Michael A. Padlipsky, Kenneth L. Bowles, A. Wayne Hathaway, Jean Iseli, David H. Crocker, Nancy J. Neigus, Stephen M. Wolfe, Ronald M. Stoughton, Jim O. Calvin/USING ; Distribution: / NGRP; Sub-Collections: USING; Clerk: USING;

Tasks Assumed by CHI from NLS file

(Sample of what I sent to other programmers) Attempts are being made to bring user feedback to the appropriate people and this message is part of our current scheme. You may be aware of the following problems, but at any rate these are items Charles thinks you should handle. Comments & suggestions are welcome.

Tasks Assumed by CHI from NNLS file

GENERAL NLS -- CHI

1

SRL 20-MAR-74 12:32 22433

Move Boundary Bug

Message: There seems to be a problem with the move boundary command. Instead of the new boundary being where you bug, it is where the bug is when you give the confirming bug.

1a

SRL 18-MAR-74 14:33 22411

Viewspec problem with jump to predecessor and successor

Message: When statement numbers are turned off, and you jump to predecessor or successor and turn on numbers during the jump, only the top or bottom statement on the screen gets a number. Then if you jump to an item, all items previously located off the screen will have a number but those previously on (and still on) won't. Viewspec f turns all numbers on. The problem is the same for viewspecs on left and right.

1b

14-MAR-74 0845-PDT VANNOUHUYS: Jump to End / Branch

Received at 14-MAR-74 08:45:40

1c

Jump too end of branch seems in fact to jump to tail. I am bugging on of many top level statements in a large file to get his effec.

1c1

DVN 13-MAR-74 14:46 22395

Message: I split the screen, did some work, then moved the boundry away to the right. From then on the system repeatedly said "NLS Display Error" in my TTY window, although my work was otherwise unimpeded.

1d

SRL 22-MAR-74 09:29 22452

Tasks Assumed by CHI from NNLS file

(J22452) 22-MAR-74 09:29; Title: Author(s): Susan R. Lee/SRL;
Distribution: /CHI; Sub-Collections: SRI-ARC; Clerk: SRL;

Tasks Assigned to Programmers from NNLS file

Attempts are being made to bring user feedback to the appropriate people and this message is part of our current scheme. The link (analysis,nnls,7:xb) will take you to the Assigned tasks branch in the nnls file. You may be aware of the problems listed, but at any rate, these are items Charles thinks you should handle. We're hoping to keep this file updated and distributed often enough to be useful. Comments & suggestions are welcome.

1

Tasks Assigned to Programmers from NNLS file

(J22453) 22-MAR-74 09:58; Title: Author(s): Charles H. Irby/CHI ;
Distribution: /CHI JEW DCW HGL EKM KEV DIA JDH WRF ;
Sub-Collections: SRI-ARC; Clerk: SRL ;

EXCEED CAPACITY in Network Journal Submission

Dave-- Network Journal submission works fine for me, both at ARC and NIC; no 'Exceed Capacity' problem. How about giving me the details of the example that you have that fails. 'Exceed Capacity' is an unfortunate message, in that it's very misleading. It's a system error, and means that the declared maximum length of a string variable in some procedure in NLS has been exceeded. --Jim

1

EXCEED CAPACITY in Network Journal Submission

(J22454) 22-MAR-74 10:48; Title: Author(s): James E. (Jim)
White/JEW; Distribution: /DHC; Sub-Collections: SRI-ARC; Clerk: JEW;

EXCEED CAPACITY Misleading

How about changing the 'Exceed capacity' message to something like 'System error; string variable overflow'? People call me and say they got that message, but they HAVEN'T exceeded there disk allocation,

1

EXCEED CAPACITY Misleading

(J22455) 22-MAR-74 10:53; Title: Author(s): James E. (Jim)
White/JEW; Distribution: /NP; Sub-Collections: SRI-ARC NP; Clerk: JEW;

Augmentation Research Center
Stanford Research Institute
Menlo Park, California 94025

Prof. J. D. Nicoud
Laboratoire de Calculatrices Digitales
Ecole Polytechnique Federale de Lausanne
16, ch. de Bellerive
CH-1007 Lausanne
Switzerland

Dear Professor Nicoud:

In your letter to Doug Engelbart of 30 November, 1973, you requested we send you drawings of our Mouse and Keypad. Enclosed are the only drawings and illustrations that we have. I hope they are adequate for your needs. If you have any further questions about these devices or any another aspect of our work which interests you, please feel free to contact us in the future.

1

For your information, I have enclosed the name and address of two commercial suppliers of the Mouse and Keypad. Their latest unit quantity prices we have, are \$350.00 for a Mouse and \$150.00 for a Keypad:

2

CYBERNEX CORPORATION
P.O Box B, Stanford
California, 94305
USA,

2a

IMLAC CORPORATION
150 A Street
New England Industrial Center
Needham Mass, 02194
USA,

2b

Sincerely,

Martin E. Hardy
Augmentation Research Center

MEH/jml

(J22456) 22-MAR-74 10:54; Title: Author(s): Martin E. Hardy/MEH;
Distribution: /DCE; Sub-Collections: SRI-ARC; Clerk: MEH;
Origin: <HARDY>NICLOUD.NLS;6, 5-MAR-74 08:33 JML ;

SENDMAIL Should Delete It's Work File

Dean-- How you doing with SENDMAIL? One thing I notice you need to add is a call to FTPELIM (one argument -- the address of a filename string) to get rid of your (ident)FTPMAILWORK.TXT file when you're done (and, in case of error, in your ON SIGNAL). FTPELIM releases all the pages in the file, and deletes the file (kind of like doing an EXPUNGE on a single file).

1

JEW 22-MAR-74 11:00 22457

SENDMAIL Should Delete It's Work File

(J22457) 22-MAR-74 11:00; Title: Author(s): James E. (Jim)
White/JEW; Distribution: /NDM; Sub-Collections: SRI-ARC; Clerk: JEW;

Bug: SID duplication

In my initial file, I happened to notice that I had at least two duplicated SIDs, i.e. two SIDS that appeared each on two different statements. I updated and made a copy that I'll keep around for a while if someone wants to check into what went wrong. (Meanwhile, I'm doing a copy plex to get new SID allocations for my ongoing Initial File).

1

(For each SID, two Locnums in file <ENGELBART>BUGCASE

2

SID	LN1	LN2	
01043	19	21d5f1	2a
01045	19a	21d5f2	2b
			2c

DCE 22-MAR-74 12:54 22458

Bug: SID duplication

(J22458) 22-MAR-74 12:54; Title: Author(s): Douglas C. Engelbart/DCE
; Distribution: /bugs ; Sub-Collections: SRI-ARC BUGS; Clerk: DCE ;