DHC 23-DEC-73 19:46 21173

Calculator write-ups

Marcia -- please send us 5 copies of the Tnls Calculator Users Guide (17419,) and 2 of the Dnls Guide (17418,). Thanks. Dave. 1

21173 Distribution
Mark C. Krilanovich,

1
1a

Calculator write-ups

(J21173) 23-DEC-73 19:48; Title: Author(s): David H. Crocker/DHC;
Distribution: /MCK; Sub-Collections: NIC; Clerk: DHC;

DHC 23-DEC-73 19:50 21174

Calcualtor write-ups

Marcia -- please send us 5 copies of the Tnls Calculator Users Guide (17419,) and 2 of the Dnls Calculaotr Guide (17418,). Thanks. Dave. 1

21174 Distribution
Marcia Lynn Keeney,

1
1a

Calcualtor write-ups

(J21174) 23-DEC-73 19:50; Title: Author(s): David H. Crocker/DHC;
Distribution: /MLK; Sub-Collections: NIC; Clerk: DHC;

NJN 24-DEC-73 07:16 21175

USING addresses

Wayne--
I have made up a list of network mailboxes for USING members; it is in my directory at the NIC, <BBN-NET>NJN-USINGMAILBOXES.NLS;2
Barbara Noble of CCN is supposedly a member , but I have a vague feeling she is no longer there. In any case Braden is coming to the meeting and you should send him a copy of the document, BRADEN@UCLA-CCN.
If you would like to look at the agenda before I send it around to everyone, see <BBN-NET>AGENDA.NLS;3 .
Salut, Nancy

1

21175 Distribution
A. Wayne Hathaway,

1
1a

USING addresses

(J21175) 24-DEC-73 07:16; Title: Author(s): Nancy J. Neigus/NJN;
Distribution: /AWH; Sub-Collections: NIC; Clerk: NJN;

Agenda for USING Meeting Jan 3-4

- USERS as well as USING are encouraged to make comments and further suggestions for topics on the agenda.

Agenda for USING Meeting Jan 3-4

Following is a proposed agenda for Thursday and Friday. You will note that I have laid very heavy emphasis on CCL. I feel it is important that we have something (almost?) ready to release to the Net by the end of the meeting. Disagreements in the schedule will be handled second thing at the meeting. 1

Coffee breaks are implied; lunch will be provided by the NIC (in the International Room, we hope); evenings are open for demos, more discussions, or just dinner. 1a

Acknowledged attendees so far 2

Dave Crocker 2a

Nancy Neigus 2b

Jean Iseli 2c

Jim Calvin 2d

Jake Feinler 2e

Mike Padlipsky 2f

Wayne Hathaway 2g

John Day 2h

Mike Kudlick 2i

Jim White 2j

Bob Braden 2k

Frank Brignoli 2l

Alan Hill 2m

Clayton Greer 2n

Bob Bell 2o

Thursday morning 3

Intros for new members 3a

Discussion of the agenda (15 min) 3b

Craig Fields - role at ARPA (15 min) 3c

Agenda for USING Meeting Jan 3-4

Reports on projects completed or in progress since May 3d

Demos may be included if they are short; longer ones will be scheduled for late afternoon and evening (Thursday). Any material to be distributed with these reports that needs review can be discussed again Friday afternoon, after people have had a chance to read the material. 3d1

Status of NETEDS and its implementation (15-30 min) 3d2

Progress in availability of documentation - online and offline (1 hr) 3d3

from servers 3d3a

REX at Case-10: JI 3d3a1

netwide; from NIC 3d3b

Network HELP facility: JI 3d3b1

NIC reorganization, HELP, QUERY, new ARPANET directory: MDK 3d3b2

USERS HANDBOOK: JI 3d3c

Task Management and job tailoring (1 hr) 3d4

Thursday afternoon 4

Common Command Language (after lunch until 4 P.M.) 4a

Status report from AWH, RMS, KLB 4a1

UULP: MAP 4a2

Comments on UULP: AWH 4a3

Demos (4 P.M. until ?) 4b

REX 4b1

NIC HELP and QUERY 4b2

Friday morning 5

CCL continued (3 hrs) 5a

Friday afternoon 6

Agenda for USING Meeting Jan 3-4

Specific complaints about servers; formal gripe mechanisms (1 hr)	6a
Review of new facilities if necessary (30 min)	6b
USERS HANDBOOK, NIC stuff	6b1
New projects (1 hr)	6c
NETREF	6c1
Specific goals, plans for next 6 months to a year (1 1/2 hrs)	6d

21176 Distribution 1

Charles H. Irby, Edward P. Schelonka, Robert D. (Bob) Bressler, Steve D. Crocker, Jonathan B. Postel, 1a

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, Stan M. Taylor, Suzanne D. Landa, Donna R. Cooper, Bob L. Mobley, Clayton A. Greer, John R. Pickens, Anthony C. Hearn, Susan S. Poh, Kirk E. Kelley, Laura E. Gould, Harvey G. Lehtman, Allan R. Alberts, Alan R. Hill, Jon E. Berger, Mil E. Jernigan, Paul Rech, Joe B. Wyatt 1b

Agenda for USING Meeting Jan 3-4

(J21176) 25-DEC-73 08:09; Title: Author(s): Nancy J. Neigus/NJN; Distribution: /USING USERS; Sub-Collections: NIC USING USERS; Clerk: NJN;

DHC 26-DEC-73 06:17 21177

Agenda
cc: neigus at BBN
- - - -

Nancy -- I mostly like the Agenda for the Using meeting. Looks like Bob Bell will be in attendance, instead of Barbara Noble. I gather Clayton Greer is in place of Ron Stoughton. 1

I suggest we affix time limits to those items which must compete within a time-period. 15-30 minutes to most items. 2

However, I think we ought to spend more (1 hour) on the Task management/job control discussion. 2a

And we ought to allow 1 1/2 hours for discussion at end of meeting, about specific goals. 2b

The status report on CCL from Hathaway should take about 30 seconds (unless he has recently done thinking). 3

We may have some information about a Protocol Development planning meeting Steve had last Thursday and Friday; and of course, the presence of Craig Fields (he's a psychologist from your alma mater, just coming on board att IPT) may alter things a bit. Don't know. 4

Typo in paragraph under "Reports on projects..." Thursday morn: 5

Almost at end, it says "had had". You mean have had (picky, picky). 5a

Guess that's all. 6

--Dave.
------- 7

8

DHC 26-DEC-73 06:17 21177

Agenda
cc: neigus at BBN
- - - -

(J21177) 26-DEC-73 06:17; Title: Author(s): David H. Crocker/DHC ;
Distribution: /NJN ; Sub-Collections: NIC; Clerk: DHC;

DHC 26-DEC-73 06:17 21178

Using
- - - -

Craig and Lick:

USING (Users Interest Working Group) is the outgrowth of a meeting at BBN, in May, 1973, concerned with "user-level" issues.

You can get a complete list of the members of USING and USERS [USING is the working group; USERS is anyone interested, but not commited] ty doing a Status command on each of them in the NIC Identification submode. The members of Using who have been most active since the May meeting are Mike Padlipsky (Mit-multics), Jean Iseli (Mitre-tip), Jim Calvin (Case-10), Jake Feinler and Mike Kudlick (Nic), Nancy (Bbn-net) and myself (Ucla-nmc). I no doubt have left out one or two names.

Our concerns are with network management, availability of information, creation of network-oriented tools, and generally smoothing out the user's online environment.

Most of the issues are intuitively obvious and many of our concerns are not really "Network dependent". Rather, they hold true for any service site. The network, however, makes solution, such as running down the hall, looking for the programmer who wrote the tool, no longer possible.

At the meeting, planned for January 3-4 at SRI-ARC, we will discuss work-to-date, tasks for the immediate future, and primarily, task management and a Common Command Language (Network Virtual Exec?). Craig, I have added you to the membership of USING. All members are invited to the meeting. (About 15 people will be there.)

The rest of this letter is a more specific summary of Using's interests and activities. The notes of the May meeting (RFC #585 -- 20050,) and the Using Charter (RFC #584 -- 20049,) are more exhaustive. I've distributed to you copies of both documents (via NIC Journal).

Topics and initial tasks:

Online and Offline Documentation, Information Sharing, and Consulting Standardization for the User
Status/Measurement of Site Performance
User Feedback Mechanisms
Messages to Users
Tailoring of Resources for Users
Personal Information Management System
Uniform Accounting Procedures and Online Status of Accounts Trial Usage and Browsing
Prelogon Facilities

Using
- - - -

Remote User Facilitation
Transportability of Resources and Information
Network Utilities 8a

Current Plans 8b

1. Neigus, Crocker, and Iseli will draft the scope, objectives, goals, and priorities of USING and will submit their recommendations for approval by the members. 8b1

2. MITRE will design a New User's Packet incorporating ideas from USING. 8b2

3. Bowles, Hathaway, and Stoughton will write preliminary specs for a Network Common Command Language Protocol. All members should suggest a list of commands for consideraton. 8b3

4. Padlipsky will produce specifications for a simple, standard editor (NETED) which could easily be implemented by server hosts. 8b4

5. A general Users Group (NIC ident = USERS) will be formed, to allow any interested person to monitor user-oriented activities, especially those of USING. Anyone interested in being in USERS should contact Dave Crocker (DHC). 8b5

6. Activities of the group will be reported in the ARPAnet News, and a user's forum column will be made available for user's comments. 8b6

7. The group will meet again in the Fall of 1973 at the Network Information Center in Menlo Park, California. 8b7

Goals 9

USING's overall goal is to ensure that the ARPANET becomes a coherent system in which users can regulate their own working environment according to their level of experience and the degree of transparency (of specific system idiosyncracies) they desire. System resources should be self-documenting, and all levels of assistance (on- and off-line) should be available, again, to be regulated by the user. 9a

Short Term Objectives, for the initial 6-12 months 9b

[In addition to the tasks in "Current Plans" above] 9b1

Further definition and focusing of User Issues; 9b2

Using
- - - -

Encouraging establishment of a User's consulting service; 9b3

Long Term Activities 9c

1. Monitor and/or provide impetus for user-oriented Network development efforts, including resource directories, tutorials [static and dynamic], training courses and referral services. 9c1

2. Provide mechanisms to encourage, analyze, and respond to user feedback; 9c2

3. Develop profile information relative to users' requirements, types, usage attributes,, and affiliations; 9c3

4. Stimulate mechanisms to facilitate entry of new users to the ARPANET; 9c4

5. Sponsor user seminars and encourage formation of viable user working groups where appropriate. 9c5

Progress 10

1. Charter drafted. 10a

2. I'm told that the New User's Packet (for individuals just beginning to use the Net -- Packet is intended as a general introduction) is nearly completed. 10b

3. The Common Command Language (CCL) has had very little effort put into it. That is why we will focus on it at the January Meeting. Mike Padlipsky has generated Draft 3 of a document describing his Unified User-level Protocol, offered as a starting point for discussion. (I will ask him to send you copies.) 10c

4. NETED has already been implemented on a surprisingly large number of sites. 10d

5. USERS is formed and growing. When distributing documents to USING, we try also to send them to USERS 10e

6. There have been several articles in the Arpanet News. I've actually gotten calls in response to them, so I guess some people are reading it. 10f

7. Haven't done much on establishing a consulting service or expansion of list of interesting topics. 10g

However, I feel that the ANTS Advisory Committee (Jerry

Using
- - - -

Burchfiel(Bbn-tenex), Ken Pogran(Mit-multics), Tom Boynton(Usc-isi), and myself) is an excellent mechanism thing for user representation. I would like to see more structuring like it (simple e.g.; create group at Nic called NETBUGS, or somesuch, for anyone to direct general and specific complaints to. This would be in addition to current mechanisms, like Tip Gripe). 10g1

In closing 11

I hope that this letter has adequately filled you in on Using. If you have any questions, comments, etc -- and/or if you can make it to the Using meeting -- please let Nancy or me know (Neigus at Bbn / NJN at NIC Journal; Dcrocker at isi / DHC at Nic Journal). 11a

Craig, I would like to include announcement/discussion of your role at Arpa, in the January meeting. 11b

-- Dave.
------- 12

13

Using
- - - -

(J21178) 26-DEC-73 06:17; Title: Author(s): David H. Crocker/DHC ;
Distribution: /JSP REK2 ; Sub-Collections: NIC; Clerk: DHC;

DLS 26-DEC-73 07:08 21179

Initial Directories for RADC at OFFICE-1

The follwing are the current active users of NLS at RADC. Their directories are good, and they should be the first to be moved to the utility, EXCEPT for the directory RADC. This should not be recreated , since it only leads to confusion and sucks up unnecessary file space. I do not know how many passwords or idents are associated with this directory, or what will have to be done to eliminate them from the system, but take what ever action is necessary. 1

BERGSTROM 1a

CARRIER 1b

CAVANO 1c

DAUGHTRY 1d

IUORNO 1e

KENNEDY 1f

LAFORGE 1g

LAMONICA 1h

LAWRENCE 1i

LIUZZI 1j

MCNAMARA 1k

PANARA 1l

RADC 1m

RZEPKA 1n

STONE 1o

TOMAINI 1p

THAYER 1q

WINGFIELD 1r

In addition to the above, directories should be created for he following people to complete the ISIM section and selected offices in the chain of command at the Branch and Division levels. 2

INFORMATION SCICENCES DIVISION (IS) 2a

Initial Directories for RADC at OFFICE-1

DeConde, Agatha C	2a1
INFORMATION PROCESSING BRANCH (IS)	2a2
Buccerio, Tom J	2a2a
INFORMATION MANAGEMENT SCIENCES SECTION (ISIM)	2a2b
Petell, Marcell D.....Sec	2a2b1
Caferelli, Anna A	2a2b2
Calicchia, Richard	2a2b3
Lombardo, Larry M	2a2b4
VanAlstine, Don	2a2b5

Initial Directories for RADC at OFFICE-1

For planning purposes...., when the Utility becomes stable, we will want to bring up the people in the other Section in the Information Processing Branch. 3

SOFTWARE SCIENCES SECTION (ISIS) 3a

Nelson, Richard.....Chief 3a1

Marcoccia, Carmella L....Sec 3a2

Cellini, James V 3a3

DiNitto, Samuel A 3a4

Femia, Joe F 3a5

Ives, Jeff M 3a6

LaRusso, Steve 3a7

Landes, Mike 3a8

Mark, Don l 3a9

McLean, John B 3a10

Motto, Richard M 3a11

Palaimo, John 3a12

Robinson, Richard A 3a13

Slavinski, Richard T 3a14

White, Douglas A 3a15

Initial Directories for RADC at OFFICE-1

(J21179) 26-DEC-73 07:08; Title: Author(s): Duane L. Stone/DLS;
Distribution: /JHB DVN WRF CHI JCN EJK; Sub-Collections: RADC; Clerk:
DLS;
Origin: <STONE>UTILDIR.NLS;1, 26-DEC-73 07:02 DLS ;

DLS 26-DEC-73 07:44 21180

End of the Year Wrap-up

Thanks for the support and attention you have all given RADC during the pat year.

DLS 26-DEC-73 07:44 21180

End of the Year Wrap-up

First, let me wish all of you the best for 74..HAPPY NEW YEAR The past year has been a rewarding year for me. We have a group of 20 or so users, many of whom have become "converts" during the past year, and are looking forward with expectation to the utility. If we can make as much progress during 74, as we did in 73, we will have the world by the "nads", (my apologies to the liberated women of the ARC and RADC). 1

Lots of things on my mind at the moment: 2

Forms generator package 2a

I was promised that I would get a decision on the future of the this effort before Christmas. The salient points were, whether to code a package as per discussions, or to wait until the Query package was more firm, and take advantage of its capability. Has such a decision been made? References? 2a1

Utility 2b

Lots of traffic saying that it would be available 1st of Dec., then the middle of Dec., but have yet to see it appear. This is no big deal, since I have anticipated problems, and have been telling people locally "its a Christmas present....which, given the current state of affairs in the computer business, should arrive at least by Easter." Just like to be kept abreast of progress and problems, thats all. 2b1

New command language 2c

I have heard that its comming. Original eatimates were Jan 74. Do these still hold? I can't really plan on bringing up the next group of users at RADC, until this is realeased. What are the current estimates for release? 2c1

Follow on Contract 2d

I have a copy of a proposal from the ARC to ARPA. Is it still valid? What is the position of the new boss of IPT (Licklider) on continuing support to the ARC? Should I go ahead and start the paper work for this, or delay until I hear from you? Dollar and manpower levels?? As you know from past experience, when RADC expedites something, it means 4 months minimum 2d1

System Architect 2e

This is what I would personally like to do..be known as. Its my bag, I pride myself in being able to see the "big picture", and at the same time be fluent enough in "NLSees", to see how

it can most productively be applied to our organization. I pledge myself to this activity (contingent on assignments from my superiors) during 74. I have a gut feeling that if I don't participate more actively in this role during the comming year, that NLS at RADC is on shaky ground. 2e1

L-10 Programmer 2f

I also feel that this is the year for us to make a hard push to get a local L-10 programmer resident at RADC. We need someone, not only for productive work locally, but also to be able to converse with ARC NLS programmers in an intelligent manner. Hiring is tough and internal manpower within the Section is hard to dig up. There is the possibility of a lateral transfer, if I can find the appropriate person. I will try to actively persue this in the near future. 2f1

DLS 26-DEC-73 07:44 21180

End of the Year Wrap-up

(J21180) 26-DEC-73 07:44; Title: Author(s): Duane L. Stone/DLS;
Distribution: /SRI-ARC EJK(for your info) JLM(for your info);
Sub-Collections: RADC SRI-ARC; Clerk: DLS;
Origin: <STONE>THINGS.NLS;1, 26-DEC-73 07:40 DLS ;

DLS 26-DEC-73 07:51 21181

Questions about NIH computer Utility

Would it be wise, permissible, OK to send this to your contact in NIH....You could say that one of your local engineers is interested in some of the specifics of their system, particullarly since it is so successful.

DLS 26-DEC-73 07:51 21181

Questions about NIH computer Utility

System 1

machine that it runs on 1a

word size 1a1

core size 1a2

speed 1a3

bytes of disk 1a4

other 1a5

Capabilities 2

text editing..do they have a mannual you can take home 2a

programmer tools? 2b

message handling capaility? 2c

storage and retrieval capability? 2d

do other programs run during prime time? 2e

User Population 3

total NIH office population served by system? 3a

just secretaries use it? 3b

terminals in use?..number and type? 3c

useage statistics available? 3d

Costs 4

total system cost? 4a

training costs? 4b

terminal costs? 4c

communications costs? 4d

do they have a charging algorithm? 4e

Benefits 5

Questions about NIH computer Utility

how did they justify it? 5a

time savings? 5b

quality improvement? 5c

personnel savings..elimination of slots? 5d

other hard savings?? 5e

Effects 6

what effects has it had on individuals, groups, organization? 6a

DLS 26-DEC-73 07:51 21181

Questions about NIH computer Utility

(J21181) 26-DEC-73 07:51; Title: Author(s): Duane L. Stone/DLS;
Distribution: /JLM; Sub-Collections: RADC; Clerk: DLS;
Origin: <STONE>NIH.NLS;1, 26-DEC-73 07:47 DLS ;

JPC 26-DEC-73 08:06 21182

Some Very Early Impressions of IDS

This was writte well over a year ago when everyone wa a lot younger. Anyway it gives you some of my early impressions. Make of it what you will

Some Very Early Impressions of IDS

Initial Findings 1

Our early work in generating this system has already suggested some conclusions that can be made and has also raised some intersting questions. A system design can be subdivided into logical and physical parts. The logical design is concerned with stability, modifiability, and most important, capability. Stability in our system implies continued operation through changes in hardware, software, and personnel. So far our system hasn't been up long enough for us to really determine how it would react to drastic changes in its environment. We did undergo one saddle-change in GCOS but this didn't have any serious consequence for us. However, problems have been encountered due to our lost of our system programmer. In fact, we were lucky that we were able to come up at all. Many of the necessary computer programs were never tested out and it was impossible to document either the system design or the maintenance programs sufficently. This has become a serious problem today as we try to work with the system and access the database. 1a

Modifiability is concerned with how changes in the systems functioning can be accomplished in an orderly fashion at the request of the organization managers. To date we have avoided making any mods of this nature, but we know that as a system IDS is not well suited to a very dynamic situation. 1b

The most important role of the database is for it to perform its intended functions in a manner suited to human interaction and decision-making, and this is what we refer to as its logical capability. Although IDS works upon a model of the organization, what happens when there are a multiplicity of models, none of which has absolute priority? This question is further complicated by the fact that many of our branch's involvements with other government agencies seem almost illogical and conflicting. What may be the real test of IDS as an information system in a command and control environment is how it can be made to handle unpredefinable needs and nebulous relationships. 1c

JPC 26-DEC-73 08:06 21182

Some Very Early Impressions of IDS

(J21182) 26-DEC-73 08:06; Title: Author(s): Joe P. Cavano/JPC;
Distribution: /EJK DLS JLM RFI RAL RBP FJT DLD2 DFB ELF;
Sub-Collections: RADC; Clerk: JPC;

DVN 26-DEC-73 08:48 21183

Diabolo-Based Terminal Demonstration Tomorow

Thursday (tomorrow) Mr. Ron Johnson of Western Electric Sales will demonstrate a terminal based on the Diabolo print head in the conference room at 10:00. Everyonee interested is welcome. 1

DVN 26-DEC-73 08:48 21183

Diabolo-Based Terminal Demonstration Tomorow

(J21183) 26-DEC-73 08:48; Title: Author(s): Dirk H. Van Nouhuys/DVN; Distribution: /SRI-ARC DLS(This demo falls out from my effort to put him in touch with you. H will call you separately.); Sub-Collections: SRI-ARC RADC; Clerk: DVN;

KIRK 26-DEC-73 08:50 21184

Notification of a change in location for TENEX documentation

The jsysmanual and Tenex User's Guide (TUG) have been moved from directory <TENEX-DOC> to directory <DOCUMENTATION>. <TENEX-DOC> will be deleted soon. This message has been sent to all of SRI-ARC, J. Burchfiel and Bill Plummer. Please forward it to any one else you think should know.

1

KIRK 26-DEC-73 08:50 21184

Notification of a change in location for TENEX documentation

(J21184) 26-DEC-73 08:50; Title: Author(s): Kirk E. Kelley/KIRK;
Distribution: /SRI-ARC JDB WWP; Sub-Collections: SRI-ARC; Clerk: KIRK;

NDM 26-DEC-73 09:07 21185

content analyzer

There is a bug in the cmmad "set Filter To" (content analyzer patterns) which displays the error message "No existing bock wit name LOCAL". Also, why can't you type in a content analyzer pattern from the programs subsstem "Compile Content analyzer" or some such command?

1

NDM 26-DEC-73 09:07 21185

content analyzer

(J21185) 26-DEC-73 09:07; Title: Author(s): N. Dean Meyer/NDM;
Distribution: /NEWNLS; Sub-Collections: SRI-ARC NEWNLS; Clerk: NDM;

KIRK 26-DEC-73 09:32 21187

An ability missed with the break statement command in New NLS

A feature in the old system that is missed in New NLS is the ability to insert text between broken statements. Use of something like the DFSL may return this ability to New NLS. 1

KIRK 26-DEC-73 09:32 21187

An ability missed with the break statement command in New NLS

(J21187) 26-DEC-73 09:32; Title: Author(s): Kirk E. Kelley/KIRK;
Distribution: /NNLS; Sub-Collections: SRI-ARC; Clerk: KIRK;

Date: 26-DEC-73 0932-PST

From: MIT-MULTICS at SRI-ARC

- - - -

ah, the iron hand....

cheers, map

(J21188) 26-DEC-73 09:36; Title: Author(s): Michael A. Padlipsky/MAP
; Distribution: /NJN ; Sub-Collections: NIC; Clerk: MAP;

DLS 26-DEC-73 10:24 21189

Contract Status Report..Project 2697..NOV

Just noticed than I haven't received the NOV status report for Project 2697. No big deal, but I'm sure someone in procurement will be keeping track, and start complaining to me soon. Thanks.. 1

DLS 26-DEC-73 10:24 21189

Contract Status Report..Project 2697..NOV

(J21189) 26-DEC-73 10:24; Title: Author(s): Duane L. Stone/DLS;
Distribution: /DVN; Sub-Collections: RADC; Clerk: DLS;

DCE 26-DEC-73 10:49 21191

Document linkage, cf Kirk's (21184,)

Kirk: I use the ARCLOCATOR to find on-line reference material. Checked there when I got your (21184,) and noticed that it still links off to <TENEX-DOC> directory for the Tenex User's Guide. Trust that you or DVN or whoever is responsible for the LOCATOR maintenance will change that. Regards, Doug 1

DCE 26-DEC-73 10:49 21191

Document linkage, cf Kirk's (21184,)

(J21191) 26-DEC-73 10:49; Title: Author(s): Douglas C. Engelbart/DCE ; Distribution: /kirk dvn jcn ; Sub-Collections: SRI-ARC; Clerk: DCE ;

21191 Distribution 1

Kirk E. Kelley, Dirk H. Van Nouhuys, James C. Norton, 1a

DEC 9-15, 1973: A WEEK IN REVIEW

WEEKLY ANALYSIS REPORT:

WEEK: DEC 9 - 15, 1973 (24 HOURS/DAY)

TOTAL SYSTEM CPU: 54.302

(ARC)	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU:1
(DOC)					
(JMB)	.752	20.617	.036	1.385	27.416
(NDM)	.004	.176	.023	.007	44.000
CAT	2.512	12.204	.206	4.626	4.858
DOCB	-	-	-	-	-
DOCUM	.476	27.292	.017	.877	57.336
TOTAL	3.744	60.289	.062	6.895	
(FAC)					
(RAB)	.016	.295	.054	.029	18.438
(MEH)	.440	16.333	.027	.810	37.120
(JCP)	2.106	55.145	.038	3.878	26.185
(JR)	.024	.531	.034	.033	29.500
RATLI	.006	.121	.050	.011	20.167
(EKV)	-	-	-	-	-
HRDWRE	.297	9.979	.030	.547	33.599

OPRATR	1.861	32.823	.057	3.427	17.637	6a3h
	-----	-----		-----		6a3i
TOTAL	4.750	115.227	.041	8.735		6a3j
						6a3k
(NIC)						6a4
(JDC)	.129	3.808	.034	.238	29.519	6a4a
(EJF)	.885	19.261	.046	1.630	21.764	6a4b
(CBG)	.003	.060	.050	.006	20.000	6a4c
(MDK)	.564	12.740	.044	1.039	22.589	6a4d
(MLK)	.885	26.656	.033	1.630	30.120	6a4e
(JBN)	.459	15.980	.029	.845	34.815	6a4f
	-----	-----		-----		6a4g
TOTAL	2.925	78.505	.037	5.388		6a4h
						6a4i
(PRO)						6a5
(DIA)	.436	24.736	.018	.803	56.734	6a5a
(WRF)	.982	14.378	.068	1.808	14.642	6a5b
(JDH)	.572	33.985	.017	1.053	59.414	6a5c
(CHI)	.221	5.900	.037	.407	26.697	6a5d
(DSK)	.774	28.679	.027	1.425	37.053	6a5e
(HGL)	1.356	20.532	.066	2.497	15.142	6a5f
(EKM)	.341	14.214	.024	.628	41.683	6a5g
(KEV)	1.408	20.889	.067	2.593	14.836	6a5h
(DCW)	1.320	36.444	.036	2.431	27.609	6a5i
(JEW)	.667	27.702	.024	1.228	41.532	6a5j

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	-----	-----		-----		6a5k
TOTAL	8.077	227.459	.036	14.873		6a5l
						6a5m
(PSO)						6a6
(JML)	.136	9.488	.014	.250	69.765	6a6a
(BAH)	.394	13.175	.030	.726	33.439	6a6b
(MEJ)	1.639	88.935	.018	3.018	55.556	6a6c
(KIR)	1.093	27.425	.040	2.013	25.091	6a6d
	-----	-----		-----		6a6e
TOTAL	3.262	139.023	.023	6.007		6a6f
						6a6g
(STA)						6a7
(JHB)	.537	23.269	.023	.989	43.331	6a7a
(DCE)	.752	29.698	.025	1.385	39.492	6a7b
(SRL)	.221	5.944	.037	.407	26.896	6a7c
(JCN)	.955	19.474	.049	1.759	20.392	6a7d
(DVN)	1.062	21.750	.049	1.956	20.480	6a7e
(PR)	.345	13.092	.026	.635	37.948	6a7f
(RWW)	.115	2.821	.041	.212	24.530	6a7g
	-----	-----		-----		6a7h
TOTAL	3.987	116.048	.034	7.343		6a7i
						6a7j

(GROUP) TOTALS 6a8

GROUP	CPU HRS	CON HRS	CPU/CON	% SYS		
						6a8a
						6a8b

(DOC)	3.744	60.289	.062	6.895	6a8c
(FAC)	4.750	115.227	.041	8.735	6a8d
(NIC)	2.925	78.505	.037	5.388	6a8e
(PRO)	8.077	227.459	.036	14.873	6a8f
(PSO)	3.262	139.023	.023	6.007	6a8g
(STA)	3.987	116.048	.034	7.343	6a8h
	-----	-----		-----	6a8i
TOTAL	26.745	736.551	.036	49.241	6a8j

6a8k

(STATS) 6a9

HIGHEST CPU: JCP 2.106 hrs LOWEST CPU: CBG .003 hrs 6a9a

HIGHEST CON: MEJ 88.935 hrs LOWEST CON: CBG .060 hrs 6a9b

HIGHEST CPU/CON: WRF .068 HIGHEST CON/CPU:1: JDH 59.414 6a9c

6a9d

	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU:1	
						6b
(NET)						6c
						6c1
TOTAL	6.132	333.534	.018	11.292	54.392	6c2
						6c3
TOP FIVE						6c4
--------						6c5
GUEST	.849	70.465	.012	1.563	82.998	6c6
MITRE-TIP	.743	42.497	.017	1.368	57.197	6c7

NBS-TIP	.647	20.480	.032	1.191	31.654	6c8
UCSB	.564	20.495	.028	1.039	36.339	6c9
NSRDC	.341	14.811	.023	.628	43.434	6c10
	-----	-----		-----		6c11
TOTAL	3.144	168.748	.019	5.789		6c12
						6c13
(SYS)						6d
SYSTEM	8.840	193.989	.046	16.279	21.739	6d1
PRINTER	7.440	47.568	.156	13.701	6.394	6d2
BACKGROUND	2.138	47.561	.045	3.937	22.246	6d3
BACKGROUND	.059	3.991	.015	.109	67.644	6d4
	-----	-----		-----		6d5
TOTAL	18.477	293.109	.063	34.026		6d6
						6d7
(WOR)						6e
						6e1
ENERGY	.152	16.780	.009	.280	110.395	6e2
GILBERT	-	-	-	-	-	6e3
JIMB	.030	1.414	.021	.055	47.133	6e4
MARRAH	.022	2.841	.008	.041	129.136	6e5
	-----	-----		-----		6e6
TOTAL	.204	21.035	.010	.376		6e7
						6e8
(XOX)						6f
						6f1

DEUTSCH	.006	.074	.081	.011	12.333	6f2
SATTERTHWAITE	.008	.127	.063	.015	15.875	6f3
	-----	-----		-----		6f4
TOTAL	.014	.201	.070	.026		6f5
						6f6

(RAD) 6g

6g1

NAME	CPU HRS	CON HRS	CPU/CON	% SYS	CON/CPU:1	
						6g2
						6g3
BERGS	.174	7.039	.025	.320	40.454	6g4
CARRIER	.090	4.734	.019	.166	52.600	6g5
CAVAN	.132	7.171	.018	.243	54.326	6g6
DAUGHTRY	.069	3.937	.018	.127	57.058	6g7
IUORN	.075	3.473	.022	.138	46.307	6g8
KENNE	.266	12.302	.022	.490	46.248	6g9
LAFORGE	.033	1.606	.021	.061	48.667	6g10
LAWRE	.504	13.138	.038	.928	26.067	6g11
LIUZZI	.085	3.781	.022	.157	44.482	6g12
MCNAM	.057	3.920	.015	.105	68.772	6g13
PANAR	.220	7.793	.028	.405	35.423	6g14
RADC	.002	.414	.005	.004	207.000	6g15
RZEPK	.002	.341	.006	.004	170.500	6g16
STONE	.882	40.451	.022	1.624	45.863	6g17
TOMAI	.126	3.899	.032	.232	30.944	6g18
WINGFIELD	.004	.126	.032	.007	31.500	6g19

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	-----	-----		-----	6g20
TOTAL	2.721	114.125	.024	5.011	6g21
					6g22
					7

BAH 26-DEC-73 11:17 21192

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(J21192) 26-DEC-73 11:17; Title: Author(s): Beauregard A. Hardeman/BAH; Distribution: /WAR; Sub-Collections: SRI-ARC WAR; Clerk: BAH;

DLS 26-DEC-73 11:42 21193

Questions About Diablo Printer

You might pass these on to the company rep..he could have the answers ready when he calls me..Thanks

DLS 26-DEC-73 11:42 21193

Questions About Diablo Printer

Thanks for the notice..Some things to ask about 1

Platen..do they have a split platen capability? 1a

Total carriage width (in columns) 1a1

Can they split it anywhere..or at some standard place (like between 80 & 81st column) 1a2

Character set..standard 96 printable ASCII..upper lower case? 1b

Tabbing..Horizontal and Vertical? 1c

Both directions?? 1c1

computer settable and/or settable at the terminal? 1c2

Spacing..half spacing..vertical and horizontal..in both directions..finer resolution?? 1d

Speed of operation..300 baud?? 1e

Comm interface..standard EIA RS-232?? do they offer an integeral modem? acoustically coupled?? 1f

Contract..is there a GSA contract?? number?? 1g

Price..buy?? Lease?? 1g1

Do they have any units out yet..how many?? still in the development stage?? 1g2

Maintenance..do they offer any outside of plant 1h

DLS 26-DEC-73 11:42 21193

Questions About Diablo Printer

(J21193) 26-DEC-73 11:42; Title: Author(s): Duane L. Stone/DLS;
Distribution: /DVN; Sub-Collections: RADC; Clerk: DLS;
Origin: <STONE>DIABOLO.NLS;1, 26-DEC-73 11:38 DLS ;

DCE 26-DEC-73 12:23 21194

Hitachi making its own copy of ARC's ASIS69 movie

Some weeks ago we loaned a copy of our ASIS69 movie to Hitachi Research Laboratories, through the intermediary of their local representative, Mr. Yutaka Kuwahara, Manager of their Represenative Office in Mountain View. 1

This morning, Mr. Kuwahara called to say that they felt the movie to be very useful for carrying a visual message of the possibilities for advanced interactive computer techniques to different parties within Hitachi. He asked if it would be all right for them to make a copy of the film. I told him that it was all right with me; even mentioned that a better copy might be arranged by paying for a fresh copy from our original, but he didn't seem to want to pursue that. 2

DCE 26-DEC-73 12:23 21194

Hitachi making its own copy of ARC's ASIS69 movie

(J21194) 26-DEC-73 12:23; Title: Author(s): Douglas C. Engelbart/DCE ; Distribution: /jml rww jcn bc swm ; Sub-Collections: SRI-ARC; Clerk: DCE ;

L10 USE FACILITATION: NDM's Tasks

Dick: I will assume this is OK and begin to operate in this vein unless I hear from you to the contrary.

L10 USE FACILITATION: NDM's Tasks

L10 USE FACILITATION 1

PROBLEMS 1a

System documentation is so poor that, in that it is 1a1

1) it is difficult for ARC to work 1a1a

difficult to integrate new programmers 1a1a1

time-consuming for experienced programmers to learn new segments of system 1a1a2

2) it is difficult for users to learn L10 and the system, leading to 1a1b

limited use of facilities 1a1b1

many requests for special purpose user programs 1a1b2

PROPOSALS 1b

1) The L10 Users' Guide should become sufficiently complete and polished to allow independant learning of L10. 1b1

It should include: 1b1a

a careful tutorial in L10, 1b1a1

a tutorial in debugging, 1b1a2

abundant examples, 1b1a3

a glossary of the most useful system procedures including all core procedures, 1b1a4

some discussion of programming style, 1b1a5

all the tricks of the trade necessary to the intermediate programmer, 1b1a6

techniques for finding out more about the system and available procedures 1b1a7

Estimated required effort: 3 man-weeks 1b1b

2) A new level of procedures will be added to interface to core procedures, looking as much like the actual commands as possible. 1b2

Naming conventions that are both standardized and descriptive will be developed (tp1 and tp2 may be standard but certainly are not descriptive) 1b2a

for procedure names, 1b2a1

for parameter names. 1b2a2

All parameters to the user interface core procedures will end in: 1b2a2a

ptr 1b2a2a1

stid 1b2a2a2

char 1b2a2a3

str 1b2a2a4

flg 1b2a2a5

followed by an optional number (e.g. tostid, fromptr1), or 1b2a2b

are descriptive simple variables (e.g. fileno, rlevcnt). 1b2a2c

These procedures are to be specifically for the user programmer, and will handle errors very carefully. 1b2b

Estimated required effort: 2 man-weeks 1b2c

RELATED ISSUES 1c

System documentation must be brought to the point of usefullness. The success of the above work depends in part on the quality of system documents. This includes: 1c1

well commented procedures, particularly those listed in the L10 Users' Guide (this may require a huge amount of time, but is the key to any reasonable solution), 1c1a

The quality of SYSGD and any subsequent attempts at indexing depend on this. 1c1a1

Consistent and descriptive naming conventions are also crucial here. 1c1a2

The format for the initial comments must be derived with the SYSGD producing and indexing programs in mind. 1c1a3

SYSGD, remaining the dictionary of procedures, 1c1b

a useful index to SYSGD (This may require conventions for procedure documentation which allow reasonably fast extraction of keywords.) 1c1c

We may want to index the procedures by what they do and/or by the conceptual place in the system. 1c1c1

This may provide an opportunity for system aids for information accessing, such as: 1c2

journal style catalog lookup for procedure name jumping, and/or 1c2a

interactive system procedure index. 1c2b

L10 USE FACILITATION: NDM's Tasks

(J21195) 26-DEC-73 12:27; Title: Author(s): N. Dean Meyer/NDM;
Distribution: /RWW DCW(fyi) CHI(fyi); Sub-Collections: SRI-ARC; Clerk:
NDM;
Origin: <MEYER>PLAN.NLS;4, 26-DEC-73 12:23 NDM ;

JMB 26-DEC-73 12:38 21196

New TNLS suggestion and comment

Requested grammar change in command feedback for TNLS Trim and Undelete commands:
Make it print, "Trimmed Files are: ..."
instead of, "Trimmed File are: ..."
and, "Undeleted Files are: ..."
not, "Undeleted File are: ..."
Incidently, I really appreciate these lists being printed for these commands.

1

JMB 26-DEC-73 12:38 21196

New TNLS suggestion and comment

(J21196) 26-DEC-73 12:38; Title: Author(s): Jeanne M. Beck/JMB;
Distribution: /NEWNLS; Sub-Collections: SRI-ARC NEWNLS; Clerk: JMB;

JMB 26-DEC-73 12:41 21197

new tnls suggestion

In TNLS, can we get Update File command to print the new filename? 1

JMB 26-DEC-73 12:41 21197

new tnls suggestion

(J21197) 26-DEC-73 12:41; Title: Author(s): Jeanne M. Beck/JMB;
Distribution: /NEWNLS; Sub-Collections: SRI-ARC NEWNLS; Clerk: JMB;

JMB 26-DEC-73 12:45 21198

New TNLS suggestion

In the TNLS LINEFEED command, can we have NLS echo something (like <LF>) to show what you've typed before it goes on to print the statement?
It would be useful for the TNLS user to be able to read his TNLS printout later and see what he did to get that result. 1

JMB 26-DEC-73 12:45 21198

New TNLS suggestion

(J21198) 26-DEC-73 12:45; Title: Author(s): Jeanne M. Beck/JMB;
Distribution: /NEWNLS; Sub-Collections: SRI-ARC NEWNLS; Clerk: JMB;

DLS 26-DEC-73 13:49 21199

Potential L-10 Programmer

Should I persue this any further, or is it impossible? I promised I would let her know one way or the other.

DLS 26-DEC-73 13:49 21199

Fotential L-10 Programmer

We need someone here who can understand and use L-10; the programming language for NLS. We thought that Joe Cavano would be allowed to learn it, but he is continually being called upon for his expertise in Data Management Systems. It appears that others in ISI are preoccupied in one way or another, and most don't really want to be come programmers per se. I have started asking around, in 240 and 106, to see if there is anyone who might fill the bill. So far I have struck out in 240, but have located someone in 106. Pertainent data: 1

Name 1a

Ms. Carolyn Farnsworth X7424 1a1

Qualifications 1b

female, age-30-35, adequately constructed in all respects 1b1

has graduated, or at least taken numerous courses from MVCC, including most programming courses offered, plus is attending UC at present. 1b2

Current Position 1c

Is working in the management office in DC, in an administrative position. Classified as a technician..GS-5 I think. 1c1

Motivation 1d

She appears to be dissatisfied with here current job, not the people or the money, but the job content. She sees no chance for advancement in an interesting career field. She feels that she has spent some time in educating herself and that her talents are being wasted in her current job. 1d1

DLS 26-DEC-73 13:49 21199

Potential L-10 Programmer

(J21199) 26-DEC-73 13:49; Title: Author(s): Duane L. Stone/DLS;
Distribution: /EJK JLM FJT; Sub-Collections: RADC; Clerk: DLS;
Origin: <STONE>L10.NLS;1, 26-DEC-73 13:46 DLS ;

Documentation Manual

This is a snap-shot of the important conventions and step-by-step procedures currently used to develop the Help Database. For the latest version, see <documentation,help>.

(For an overall structure of the HELP database see -- documentation, help, 0: xb) 1

Statement designators 2

% (preceeding per-cent sign) makes a statement invisible to the query user. 2a

] (preceeding right square-bracket) do not menu (number) this statement. 2b

Name: 3

Delimiters: 3a

SYNTAX and EXAMPLE branches 3a1

The default name delimiter is NULL EOL. Classifying statements that contain neither an example nor syntax; and syntax statements whose first word is the same as the name of the statement have delimiters NULL NULL. 3a1a

OTHER branches except the SYNTAX and EXAMPLE branches. 3a2

The default name delimiter is NULL COLON. This is changed to NULL NULL for those statements where the colon does not appear immediately after the first word. 3a2a

For the maintainer's convenience, named statements have a colon in the first line. Unnamed statements do not. 3a2b

CONCEPTS and COMMANDS branches 3a3

Statements linking off to commands should not have names in hopes that it will cut down on duplicate names within the concepts branch. 3a3a

Searches:
The link and Show name searches will start with a canonical walk from the beginning of the file every time. Second name elements in a link must be preceeded by a star which will cause it to jump to the next name (cannonically) irrespective of branch. So it better be right Second name searches in a Show will be limited to the branch defined by the preceeding name. <For a suggestion to make link search work like show, see -- 20903,> 3b

Duplications: 3c

Duplicate names in the concept branch should be avoided. The

hassle with duplicate names is that you must remember if it needs a path-name or not. Otherwise, just the one word in the link (or show) is all that is necessary. However, if you cannot get around using a duplicate name, you have a choice between one of the following. 3c1

1. Place the duplicated name in the Lexicon with links (by path name) to each of the actual definitions. This is the easiest thing for DB maintainer. Both nodes can be made to print in the lexicon (along with substructure), or there can just be some menued text describing the differences with the link to each of the duplicated statement names. 3c1a

2. Decide on the concept definition that best fits the conflicting name. If this name comes first in the database, provide a link at or after that node to the other definition that happens to have the same name (but is conceptualy much different...otherwise you would have combined the two or put them in the same branch--right?). Remember to use a path name to get to the second name whenever you want to link or show it. 3c1b

The only reason for using these methods is if the duplicated name is necessary for a good intuitive path name. Otherwise, the second concept should go unnamed (dont forget to delete the colon from the first line) or changed by hyphenating two words, if necessary, thereby eliminating any duplication. Hyphenation is used extensively in the <help, categories> branch. 3c1c

Before adding or deleting a name in Help, check the file <documentation, names,> and modify one of the two lists appropriatly. 3c2

[This is similar to what the programmers do in order keep from conflicting names of procedures. The difference is, they have immediate feedback if their program doesn't work. We don't. So please do this.] 3c2a

Links 4

Link delimiters everywhere are ##< left and >## right. 4a

Each field within a link is seperated by a space as follows: 4b

[QSPECS] <comments -- site, directory, filename, *path *name *search: viewspecs>## 4b1

Examples: ##<insert *string>## ##<editing>## 4b2

Linking to 4c

concepts:
<see -- name *duplications> 4c1

commands in: 4c2

Function branch 4c2a

Since verb Command-words are not duplicated as names in the concept branch. You can link to (and the user can Show) the function statements just by typing the verb (followed by the noun when desired). 4c2a1

##<insert *STRING>##, Show insert word 4c2a2

Syntax branch 4c2b

Since the name "syntax" is reserved and not to appear anywhere else, you can link and the user can Show the syntax statemets by "syntax verb [noun]". 4c2b1

##<Syntax *Insert *STRING>##, Show syntax insert word 4c2b2

Example branch 4c2c

Since the name "example" is reserved and not to appear anywhere else, you can link and the user can Show the Example statements by "example verb [noun]". 4c2c1

##<Example *Insert *STRING>##, Show Example insert word 4c2c2

the special case of SYNTAX:
SYNTAX (along with example, and function) are specially reserved names to keep from having to use statement numbers or SID's in links and to keep from having to use the slow level-by-level search algorithm. There is no problem with example and function as they are not used in the CONCEPTS branch. However, syntax is an important concept as well as a heading for a major branch. As a result, the concept definition IS changed to notation wth a link to it in the top level SYNTAX statement. The statement named "syntax" under "link" in the concepts branch must be left unnamed.. 4c3

Use of viewspec capital D (names off) in links to: 4d

Syntax
In links to syntax, viewspec capital D should be used in all cases where there is more than one noun. If there is only one

noun available for a verb, the link to the syntax of the command should not contain viewspec capital D. This is easy in the function branch to see because these will all be at a higher level than those verbs with more than one noun. 4d1

Examples
All links to examples should contain viewspec capital D. 4d2

Concepts & Functions
In all other cases, use of viewspec capital D is at the descretion of the DB builder. In general it should not be used unless there is lead-in text that would be duplicated by the name of the statement addressed by a link. 4d3

Q-specs (query viewspecs) I don't know anywhere where these are used:
enclosed in square brackets and located between the left double pound sign and the left link delimiter of a link. 4e

N=number = only menu "number" items, then ask "more?" default N=15. 4e1

C = Columnate the menued items. 4e2

The following Q-specs are not yet implemented. 4e3

L = Menu this link. (ie., only show one line and give it a number.) 4e3a

M = Main node only, do not include substructure of addressed node. (this is unnecessary if viewspec e will work in links.) 4e3b

The following Q-spec is not to be implemented. 4e4

D=number = do not print "number" lines of the statement addressed by the link. Default number=1. 4e4a

Function Branch sample 5

Copy: 5a

STRING:
This command reproduces a STRING at another location. 5a1

syntax
##<syntax *copy *STRING>## 5a1a

example
##<example *copy *STRING>## 5a1b

effects
After execution the CM points to the last character of the new STRING. SOURCE provides you the choice of TYPEIN, that is, you can "insert" a new STRING, instead of "copying" one, into the new location with this command. For CONFIRM, REPEAT will leave the user ready to specify another SOURCE.
Show also: STRING, CM 5a1c

Nouns for STRING
These are the keywords you can use after Copy in place of STRING: (Show also:) Character, Word, Visible, Invisible, Number, Link, Text 5a1d

%Nouns 5a1e

Character:
Copy Character is a special case of Copy ##<Copy **STRING>## 5a1e1

Word:
Copy Word is a special case of Copy ##<Copy STRING>## 5a1e2

Visible:
Copy Visible is a special case of Copy ##<Copy STRING>## 5a1e3

Invisible:
Copy Invisible is a special case of Copy ##<Copy STRING>## 5a1e4

Number:
Copy Number is a special case of Copy ##<Copy STRING>## 5a1e5

Link:
Copy Link is a special case of Copy ##<Copy STRING>## 5a1e6

Text:
Copy Text is a special case of Copy ##<Copy STRING>## 5a1e7

STRUCTURE:
This command reproduces a STRUCTURE at another location. 5a2

syntax
##<syntax *copy *STRUCTURE>## 5a2a

example
##<example *copy *STRUCTURE>## 5a2b

effects
After execution the CM points to the first character of the new STRUCTURE. SOURCE provides you the choice of TYPEIN, that is, you can "insert" a new STRUCTURE, instead of "copying" one, into the new location with this command. For CONFIRM, REPEAT will leave the user ready to specify another SOURCE. Show also: STRUCTURE, CM 5a2c

Nouns for STRUCTURE
These are the keywords you can use after Copy in place of STRUCTURE: (Show also:) Statement, Branch, Plex, Group 5a2d

%Nouns 5a2e

Statement:
Copy Statement is a special case of Copy ##<Copy STRUCTURE>## 5a2e1

Group:
Copy Group is a special case of Copy ##<Copy STRUCTURE>## 5a2e2

Branch:
Copy Branch is a special case of Copy ##<Copy STRUCTURE>## 5a2e3

Plex:
Copy Plex is a special case of Copy ##<Copy STRUCTURE>## 5a2e4

File: 5a3

Directory: 5a4

Archive: 5a5

Sequential: 5a6

Userprograms: 6

FILE named % L10 <documentation>named.ca % 6a

% Content analyzer for statements with names% 6a1

(named) PROCEDURE (sw); 6a2

REF sw; 6a2a

RETURN (getnmf(sw.swstid)); 6a2b

END. 6a2c

```
    FINISH                                                              6a3

FILE unnamed % L10 <documentation>unnamed.ca %                          6b
    % Content analyzer for statements without names%                    6b1
    (unnamed) PROCEDURE (sw);                                           6b2
        REF sw;                                                         6b2a
        RETURN (NOT (getnmf(sw.swstid)));                               6b2b
        END.                                                            6b2c
    FINISH                                                              6b3

FILE nostkr % l10 <documentation>nostkr %
%copy group, bringing everything up to highest level. TNLS only.%       6c
    DECLARE curstd;                                                     6c1
    (nostkr)PROCEDURE;                                                  6c2
        LOCAL stid1, stid2;                                             6c2a
        LOCAL TEXT POINTER out, z1, z2;                                 6c2b
        % Get parameters %                                              6c2c
            crlf();                                                     6c2c1
            typeas($"Location for output ");                            6c2c2
            tbug($out);                                                 6c2c3
            typeas($"remove structure from group: ");                   6c2c4
            tbug($z1);                                                  6c2c5
            tbug($z2);                                                  6c2c6
            typeas($"Go?");                                             6c2c7
            IF NOT answer() THEN RETURN;                                6c2c8
            stid1 ← grptst(z1, z2: stid2);                              6c2c9
```

```
        crlf( );                                                    6c2d
        typeas($"In progress");                                     6c2e
        curstd ← out;                                               6c2f
        grpapply(stid1, stid2, $cop);                               6c2g
        RETURN;                                                     6c2h
        END.                                                        6c2i

    (cop) PROCEDURE (stid);                                         6c3
        IF getnmf(stid)  THEN                                       6c3a
           BEGIN                                                    6c3a1
           curstd ← ccs(curstd, stid, sucdir);                      6c3a2
           END;                                                     6c3a3
        RETURN;                                                     6c3b
        END.                                                        6c3c

    FINISH;                                                         6c4
```

Documentation Manual

(J21200) 26-DEC-73 15:14; Title: Author(s): Kirk E. Kelley/KIRK;
Distribution: /DIRT AMC JJP2 LEG; Sub-Collections: SRI-ARC DIRT; Clerk:
KIRK;
Origin: <DOCUMENTATION>MANUAL.NLS;25, 26-DEC-73 14:37 KIRK ;
The purpose of this file is to contain the important conventions and
step-by-step procedures necessary to maintain the HELP database.

CHI 26-DEC-73 15:20 21201

Re 21180, End of the Year Wrap-up -- New Command Language

Duane, New command language should be ingeneral shake-down usage here at ARC by mid to late Jan 74. We want to be sure we like it and it is stabe before releasing it to Utility users. Thus, we will probably not release it to Utility users until about 1 Mar 74. -- Charles.

1

CHI 26-DEC-73 15:20 21201

Re 21180, End of the Year Wrap-up -- New Command Language

(J21201) 26-DEC-73 15:20; Title: Author(s): Charles H. Irby/CHI;
Distribution: /DLS; Sub-Collections: SRI-ARC; Clerk: CHI;

DCE 26-DEC-73 15:21 21202

Network interests and an ASIS69 Film request: Richard Fryer, Naval Weapons Center, China Lake

JML, please send him a copy of the film

DCE 26-DEC-73 15:21 21202

Network interests and an ASIS69 Film request: Richard Fryer, Naval Weapons Center, China Lake

Got an unsolicited phone call from him: 1

Richard Fryer, Code 40404
Naval Weapons Center
China Lake, Californa 93555
(714) 939-5426 1a

He says that he had heard one of my NCC talks last June; also they had had the ASIS69 film (it sounds like that one, rather than the FJCC68) circulate at China Lake that he remembers. He wants to borrow the film again, any time early in January (or if later, at a negotiated date). 2

Mentions that their Center's computer is a UNIVAC 1108, that will probably be upgraded to a 1110 and remain THE computer for some time. Some of the guys would like to experiment with things more flexible; he asks about the feasibility of their either a) getting their own TENEX, or b) getting on to the ARPANET. They'd like to find some way to try our stuff, but I gather that they also would benefit from many other experiences and services that are accessible via the ARPANET. 3

I advised the latter, as being the more educational; Mentioned the Utility services as a way to get NLS experimentally. I also suggested that he try to contact Einar Stefferud, maybe have him come by their Center and give a talk on Network economics. 3a

DCE 26-DEC-73 15:21 21202

Network interests and an ASIS69 Film request: Richard Fryer, Naval Weapons Center, China Lake

(J21202) 26-DEC-73 15:21; Title: Author(s): Douglas C. Engelbart/DCE ; Distribution: /jml ; Sub-Collections: SRI-ARC; Clerk: DCE ;