We ahve received no word on the approximate time and date you lost these, so the only thing we can suggest is to resend them if they never showed up. Sorry for the difficulty, but things should get better as we continue to use NLS-8.

How is it with New NLS? Any problems? Everyone take to it OK? How deep is the snow? Best, Feed/jim

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(J31263) 5=NGV=74 20:11;;;; Title: Author(s): Special Jhb Feedback/FEED; Distribution: /IMM([ACTION]) JDH([INFO=ONLY]); Sub-Collections: SRI=ARC; Clerk: FEED;

Re : 30 Oct sndmsg -- cross file moves

we have tried to duplicate this , but cannot. I know it happens, but very randomly. Very hard to fix under these circumstances. Any ideas? Thanks for the note, Feed/jim/dave

Re : 30 Oct sndmsg == cross file moves

(J31264) 5=NCV=74 20:16;;; Title: Author(s): Special Jhb Feedback/FEED; Distribution: /DLS([ACTION]); Sub=Collections: SRI=ARC; Clerk: FEED;

re sndmsg 110ct, Followup on 'no login'

The group allocation mechanism has been repaired and you should not have that problem again (as long as you pay...haha). This is the second response fyi. Feed/jim

re sndmsg 110ct, Followup on 'no login'

(J31265) 5=NOV=74 20:25;;; Title: Author(s): Special Jhb Feedback/FEED; Distribution: /EJK([ACTION]) DLS([INFO=ONLY]); Sub-Collections: SRI=ARC; Clerk: FEED;

(Journal) Journal documents (most recent first)

.

JMB 28-OCT-74 18:39 24341 Comment on Functional Documents & Journal Numbers Location: (MJOURNAL, 24341, 1:w) *****Note: [INFO-ONLY] *****

1a

KEV 28=OCT=74 17:33 24337 journal citations again

1b

Message: The issue that Dean raises (in == 24336,) (and I think Jake raised it also) about having sort programs, etc. work is I beleive looking at the citation issue in the wrong way. The problem, as I see it, is having citations presented to an INDIVIDUAL user in the format preferred by that INDIVIDUAL user. Then if an individual wishes to sort her citations, it is her responsibility (perhaps with our help) to provide the sort keys, programs, etc. that will sort the citations in the desired manner, Obviously, these programs must be aware of the format of the citations they are to sort. If an individual wishes to make use of pre-existing sorting programs, then she must see to it that her citations conform to the input format required by the program to be used (and of course both available programs and required citation formats should be published). All the catalog production programs that I am aware of, do not go through individual initial files to get their data, but work on other data bases. Thus, if an individual is only interested in seeing who wrote an article, when it was written, and where it lives, (admittedly a perverse example), there is NO need to have the title in the citation that gets delivered to this person. *****Note: [ACTION] ***

161

Comments: I do have one or two other things to do, but occasionally I need a relief from them!

162

NDM 28=OCT=74 15:34 24336 Opinion on Journal Citation Delivery Format Location: (MJOURNAL, 24336, 1:w) ****Note: [INFO=ONLY] *****

10

Comments: Modifies slightly format listed as NDM's choice in (24284,).

101

DIA 28-DCT-74 15:01 24335 Lineprocessor: Needs and Recommendations Location: (MJOURNAL, 24335, 1:w) *****Note: [INFO-ONLY] *****

JCN 27=DCT=74 11:05 24329 Schedule for the Introduction of NLS=8 to Office=1 Users Location: (MJOURNAL, 24329, 1:W) *****Note: [ACTION] *****

1 d

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FGB 28-OCT-74 11:34 31231 Request for directory and new idents (revisited) Location: (MJOURNAL, 31231, 1:w) *****Note: [ACTION 1 **** 1 £ DVN 25=DCT=74 13:22 24325 Functional Documents and Journal Numbers Location: (MJOURNAL, 24325, 1:w) ****Note: [INFO=ONLY] 19 191 blap CHI 25-OCT-74 09:50 24322 seminar on nls-8 training experience? Message: Jim, are you going to give a seminar on your experiences training new and old user's in nls-8? If so, I think it should be soon so that the experiences will still be fresh in your mind. think that a seminar will be a much more alive way to transfer your experiences to us but I also think a written record is valueable. Therefore I would suggest that someone take careful notes (maybe even transcribe it from a tape recording) and that you work these notes/transcription into a reasonable written presentation of the experience and put it in the journal. --1h Charles. ****Note: [ACTION] **** RMS2 25=DCT=74 11:36 31205 notes on the response toac usage of NLS Location: (MJOURNAL, 31205, 1:W) ****Note: [INFO=ONLY] **** 11 JAKE 24-OCT-74 22:58 24319 Op. Cit. Location: (MJOURNAL, 24319, 1:w) ****Note: [INFO=ONLY] ** 11 DVN 24-OCT-74 20:13 24317 The Salesman from George Lithograph Will be Here Tmorrow Message: When Walter Bass was still here, ARC

DVN 24=OCT=74 20:13 24317 The Salesman from George Lithograph Will be Here Tmorrow Message: When Walter Bass was still here, ARC spoke to George Lithograph, a local firm with a good reputation in the printing field, about doing our COM work. Recently they aguiredd a new COM device, a singer 6000, and remembered us enough to have a salesman call. I have an appointment with him tomorrow at 2:30, and I'm sure he would be glad to talk with anyone who want to join us. He has asked for and I intend to supply a sample tape of our output(jjournal,12214,) and our specifications(journal,14093,). *****Note: [INFO=ONLY] *****

KEV 24=OCT=74 14:38 24315 journal citations revisited Location: (MJOURNAL, 24315, 1:w) *****Note: [ACTION] *****

DVN 24-OCT-74 09:04 24292 Is Documentation Holding Up NLS-8? Message: I feel I have lost touch with why NLS-8 has not come up as the running system at Offie-1. If it is waiting for documentation I would like t know about it. The state of documentation is essentially as described in (mjournal,24247,2) except that a draft of the two-page document (mjournal,24247,2h)

	now exists and a draft of the revised viewspec cards (JRNL22, J24266:gw) and (journal, jrn122, j24262) is in review, ****Note: [INFO=ONLY] *****	1 m
	DLS 24-OCT-74 09:32 31198 Transition to NLS-8a Myth? Location: (MJOURNAL, 31198, 1:W) *****Note: [INFO-DNLY] *****	in
	RLL 23=OCT=74 22:38 24284 New Jornal header: alternatives; call for comments and additional input, Location: (MJOURNAL, 24284, 1:w) *****Note: [ACTION] *****	10
	Comments: Comments received by FRiday 25Oct74 will be included for next pass which will include the KWAC. Thank you for contributing.	101
	JAKE 23-OCT-74 19:20 24283 Froufra Message: Never count your chickens until you catch your rooster. (You may add that to other eggs I'v laid) ****Note: [ACTION] immediately if not sooner!****	1p
	DVN 23*OCT*74 09:10 24266 Revised Viewspec Cards Message: Jeanne Beck hasbrought the little viewspec/Keyset cards up to date and made some changes in the fomat, improvements as I see it. I amseneding the revision thrugh the review process, but with luck everyone will OK it and we can send the file to DDSI thursday night. The draft is in <userguides, viewspeccard,=""> and some further explanation is in (journal, jrn122, j24262) *****Note: [ACTION] *****</userguides,>	19
	Comments: If you have suggestions, please let me know,	191
	JDH 21-OCT-74 13:02 24257 New Version of PREVIEW at Office-1 Tomorrow Evening Location: (MJOURNAL, 24257, 1:W) ****Note: [ACTION] ****	ir
aı	uthor) Journal documents authored	2
	JHB 28=OCT=74 21:47 24342 Feedback for action /record	2a
	Location: (MJOURNAL, 24342, 1:w) *****Note: Author Copy****	2a1
	Comments: Mike, Did this problem get solved to your satisfaction?	2a2
	JHB 28-OCT-74 08:05 24333 Documentation Request	26
	Location: (NJOURNAL, 24333, 1:w) *****Note: Author Copy****	2b1
	Comments: Martin, Please have all the pertinent documentation	

concerneing the Lineprocessor and assocciated displays sent to Mike Wingfield. Include the Workstation Guide, The hardware schematics and design docs, and your reent publications on the matter. Thanks, Jim (Address on link).

2b2

JHB 24-OCT-74 08:56 24291 re J24269: Journal notification & info/action branches

20

Message: I agree with Dirk's notion aout these 2 new features, particularly into and action. These are arbitrary categories at best, and serve to force additional compensatory decisions on the real users. It's difficult not to be snide, but I don't recall any debate or even discussion about this. I hope that the items that have been sent by myself and others on the Journal citation format are ok, If not let's have some discussion on them I *****Note: Author Copy****

201

Journal docs sent incorrectly to office=1 (JHB)

(J31266) 5=NOV=74 21:38;;; Title: Author(s): James H. Bair/JHB; Distribution: /JHB([ACTION]); Sub=Collections: SRI=ARC; Clerk: JHB;

5a

Susan, Just reviewing some messages, and noted a few very interesting points in yours that I hadn't commented on before. POET is a line oriented editor of which there are many. The differences are profound between those 1 dimensional editors and the 2 dimensionality of NLS: structure and statements rather than lines which can only be one line long regardless of where the sentence really ends; etc. etc. EKM is a really good source on this because she worked on an editor (wilbur) for years, and notes that they STILL are in the dark ages. No, unless it is really requested, or desired by the user, I don't think we should teach Edit Statement. People who want that can be told it exists, but try NLS, you'll like it (Edit Statement is hardly representative of NLS).
Your comments about Tenex commands prompted me to change them all to NLS commands, which is the way we should teach it I think.

I appolutely agree on the caps in questionmark to indicate which letters should be typed. Will persue.

We definitely would be better off with an OP Guide that was for non-CoM dirs only. Will push.

We are working on MOdules for nLS that will Offer a subset of NLS for editing, and be graduated for different levels of need/skill.

Tell Connie a agree with her that User Development or the Architect should set Useroptions where desired and that partial is best for the general user at a pre-option level.

Thanks for the msgs that prompted these comments and keeping me posted on events in the field. Will talk more on the phone again too. Au revoir, Jim

Training Policy Matters and user feedback

(J31267) 5-NOV-74 22:25;;; Title: Author(s): James H. Bair/JHB; Distribution: /SRL([ACTION]) RLL([INFO-ONLY]) JCN([INFO-ONLY]); Sub-Collections: SRI-ARC; Clerk: JHB;

Carlson Comment about NLS Training earlier

This is what he said about the only training I know that he received...I'm confused, any ideas?

15=MAY=74 1913=PDT CARLSON at USC=ISI: SUCCESS OF INTRODUCTORY NLS COURSE Distribution: BAIR, WATSON at SRI=ARC, NORTON at OFFICE=1, BALZER, CROCKER, CRAIN, CARLSON, RIDDLE, MEYER at SRI=ARC, IRBY at SRI=ARC Received at: 15-MAY=74 19:13:37

I WANT EVERYONE AT SRI TO KNOW HOW MUCH WE APPRECIATE THE INTRODUCTORY NLS COURSE WHICH JIM BAIR TAUGHT US. THE TIGHTLY CONTROLLED FIRST DAY FORCED US TO PRACTICE DOING SIMPLE THINGS ENOUGH TO FEEL COMFORTABLE. THEN WE WERE ABLE TO CONTROL THE PACE ON THE SECOND DAY AND REALLY MAKE MAXIMUM USE OF THE TIME. I THOUGHT JIM DID A FANTASTIC JOB OF RESPONDING TO OUR NEEDS. I APOLOGIZE FOR MESSING UP THE EDUCATIONAL EXPERIMENT BY FORCING JIM TO DEVIATE FROM THE PREDEFINED OUTLINE, BUT I FELT STRONGLY THAT IT WAS NECESSARY BECAUSE OF THE SPECIAL CIRCUMSTANCES.

I WAS GONE ALL LAST WEEK AT NCC AND HAVE VERY BUSY SINCE I GOT BACK, SO I AM JUST NOW GETTING BACK TO THE ISSUES OF NSW EDITORS AND FRONT END. LIZ RIDDLE HAS BEEN WORKING A LOT WITH NLS AND SEMS TO BE HAVING A GREAT DEAL OF SUCCESS EXPERIMENTING WITH THE VARIOUS COMMANDS. WE ARE COMPILING A LIST OF THINGS WHICH WE THINK ARE UNNATURAL OR OTHERWISE DIFFICULT TO LEARN, BUT I HAVE DECIDED (IN A RATHER UNUSUAL MOVE FOR ME) TO THINK BEFORE TALKING; SO I THINK WE WILL PONDER OVER OUR LIST AND MAKE SURE WE REALLY BELIEVE WHAT IT SAYS BEFORE WE SEND IT TO YOU. WE WILL SPLIT IT INTO THOSE THINGS WHICH WE HAVE LOGICAL REASONS FOR WANTING TO SEE CHANGED AND THOSE WHICH SEEM TO CREATE STRONG INITIAL ADVERSE REACTIONS AND SHOULD BE CHANGED FOR MARKETING REASONS EVEN IF THE RESULTING INTERFACE IS SLIGHTLY LESS USABLE.

I AM SPENDING A GREAT DEAL OF TIME RIGHT NOW TRYING TO REALLY UNDERSTAND THE COSTS TO PREPARE AND PUBLISH INFORMATION USING CURRENT METHODS SO I HAVE A BETTER BASIS FOR STATING WHAT WE MUST DO TO BE COMPETITIVE. YOU CAN EXPECT AN ECONOMIC ANALYSIS OF A FEW ALTERNATIVES IN THE NEAR FUTURE SO WE HAVE A BASIS FOR DISCUSSION. TWO OF THOSE ALTERNATIVES WILL BE NLS IN TENEX AND AN OFF-LOADING OF FRONT-END FUNCTIONS INTO A PDP-11. I AM WAITING FOR COMMENTS ABOUT BOB BALZER'S FRONT-END PROPOSALS. ARE YOU BASICALLY IN AGREEMENT, OR WOULD YOU MAKE FUNDAMENTAL CHANGES IN THE DESIGN?

I AM NOT MAKING PLANS TO COME TO THE WEST COAST EARLIER THAN THE END OF JUNE. I LIKE BOB'S IDEA OF A MEETING IN BOSTON SOON SO THAT WE CAN TALK ABOUT HOW TO PUT THE VARIOUS PIECES OF THE NSW TOGETHER.

SINCERELY

BILL

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Carlson Comment about NLs Training earlier

(J31268) 5-NOV-74 22:57;;; Title: Author(s): James H. Bair/JHB; Distribution: /RWW([INFO-ONLY]); Sub-Collections: SRI-ARC; Clerk: JHB;

Jim: I tried the enclosed three patterns and not a single one worked although they each compiled. The exact procedure I employed was to ensure I had reset viewspecs before comiling, I jumped to the start of the appropriate statement containing the pattern and then did:

BASE C: Set C: Content (pattern) C: To T/[a]:<CA>

Is there a possibility I have done something wrong - I also used viewspec xmbriGK when printing my initial file to test the pattern. Any help you can give would be appreciated since we intend to use the Content Analyzer and new "Process" stuff to develop simplified user access mechanisms for complex files...Thanks, Jean [also, any information you could point me to on the proper use of the new "process" stuff would be appreciated since we intend to employ it with the content analyzer to develop simplified access [experimentally] to complex information files.

Content Analyzer Test Cases

SINCE (30-OCT-74 00:00) AND BEFORE (6-NOV-74 00:00) AND ID#JI:

This one compiled but executed erroneously = the SINCE and ID#JI did not work.

SINCE (30=0CT=74);

This one compiled but did not work.

BEFORE (14 OCT=74 05:45) AND (ID#JI):

This one compiled but did not work properly.

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1a

1a1a

1a2

1a2a

1a3

1a3a

(J31269) 6=NOV=74 02:37;;; Title: Author(s): Jean Iseli/JI; Distribution: /FEEDBACK([ACTION]) JI([INFO=ONLY]); Sub=Collections: NIC FEEDBACK; Clerk: JI;

Suggest that we devise some titlling convention for groups of cards as we finish them and send them to the journal....or maybe we don't want to send the to the Journal at all??

9										
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	MARKER	STATEM	ENT FOR	LEVEL 2	STATEM	MENTS	FOLLOWS:			3
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	53B	2108030	78128536	5 AA7406	29		ВВВ	в вввв	ввв	45
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	53B	2108030	78128536	5 AA7406	33		ccc	c cccc	ccc	4n
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420441123104360567 AA741037	XXX	ввввесв с св	5r
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	53B210417056149847 BBBBCBBCBBBBBBBBBC		X	X				120
	53B210417056149847 BBBBBCBBBBBBB	AA740618	X					12f
	538210417056149847	AA740628			AABBB	ввввв	ввв	129
	538210417056149847	AA740629			ввввв	ввввв	ввв	12h
	538210417056149847	AA740630			вввав	ввввв	ввв	121
	53B210417056149847	AA740631			ВСССС	ccccc	ccc	125
	53B210417056149847	AA740632			AAAAA	AAAAA	AAA	12K
	538210417056149847	AA740633			ВВВВВ	ввввв	ВВВ	121
	538210417056149847	AA740640			вввввв	ВВВВВ	ввввввв	12m
	53B210417056149847	AA740641			ccccc	cccc	ccccccc	12n
	53B210417056149847	AA740642			ВВВВВВ	ввввс	ввввесс	120
	538210417056149847	AA740643			ccccc	ceccc	ccccccc	12p
	538210417056149847	AA740644			вввввв	ввввс	ввввввв	12q
	53B210417056149847	AA740645			ccccc	cccc	ccccccc	12r
	538210417056149847	AA740660			C			125
	53B210417056149847	AA740666			В			12t
	53B210417056149847	AA740690			110808			12u
	538210417056149847	AA740693			11			12v
6	0500909069422857 AA	741000BOMBAR	D. 1	FRANCIS	W,			13
	260500909069422857	AA741006				1		13a
	260500909069422857	AA741018 X			DBBBBA	ВВААВВ	ВВВВВАВВСВВ	13b
	260500909069422857	AA741019X X	XXX	xxxx	ВВВВВА	ВВААВВ	ВВВВВАВВВВ	130
	260500909069422857	AA741023XXX	XXX	x x x	ССВВВВ	ВВВАВВ	ВВВВВВВВВВВВ	13d
	260500909069422857	AA741024XX	XX	X	ССВВВА	ВВВАВВ	ввавававава	13e

260500909069422857 AA741034	ABBDBBCDBBCCCCDBBDDB	131
260500909069422857 AA741035	ABBDBBCDBBCCCCDBBDDB	13g
260500909069422857 AA741036	ABBDBBCDBBCCCCDBBDDB	13h
260500909069422857 AA741039 BBBBDBDCBBCBBCBBCBBBBBBDDCBBBDDBBB		131
260500909069422857 AA741045 BBBBBBBBBBBBBBBBBBBCBBCCCCCCBBDDDDCDC		135
260500909069422857 AA741052 X	ВВАВВАВВВВ	13K
260500909069422857 AA741053X XXXXXXX	BBABBABBBB	131
260500909069422857 AA741057 XX	BBABBABBBB	13m
260500909069422857 AA741070	В	13n
260500909069422857 AA741072	c	130
260500909069422857 AA741086	c	13p
260500909069422857 AA741087	c	139
260500909069422857 AA741091	13	13r
260500909069422857 AA741093	131110	13s
260500909069422857 AA741094	131110	13t
260500909069422857 AA741098	13	13u
80350301223402128 AA720300GOODMAN, WILLIA	M T, III	14
280350301223402128 AA720306	11	14a
280350301223402128 AA720316XXX XXXX AAAAA A	ввявяв вв вв вс	146
280350301223402128 AA720317XXX CAAAA B	BB BDD BB BB CC	140
280350301223402128 AA720318XX XXX BBBB B	BBBBBB BB BB B	140
280350301223402128 AA720319X XXXX BBBB B	В	14e

280350301223402128 BBB B	AA720320 XX	AA AAAAAA AA	141
280350301223402128 AAAAAA ABBBB	AA720322XXXXXXX X	BBBBBBB B BBBBB AA	149
280350301223402128 BBBBB B	AA720323XXXXXXXXX	в ввавава вва в	14h
280350301223402128 AAAA A	AA720324XXXXX XXX	AAAAAAAAAA	141
280350301223402128 AAAAAA A	AA720327XX XX	A AAAA AA AAA A	145
280350301223402128 AAAAAAAA	AA720328XXXXXXXX	AAAAAAAAAAAAAA A	14k
280350301223402128 BAAAA BDDD	AA720330XXXXXXXXX	АААААААААААВВВА А	141
280350301223402128	AA720336 XXXXXXXX	BB BBB B	14m
280350301223402128	AA720337XXXXX X	ВВ В В	14n
280350301223402128	AA720338X	ВВВВ	140
280350301223402128	AA720340XXXXX	вв вырававава	14p
280350301223402128	AA720341XXXX	BB B B	149
280350301223402128	AA720342X XXXXX	вв в ввввввв	14r
280350301223402128	AA720343XXXXX XX	BB B B	148
280350301223402128	AA720346	A	14t
280350301223402128	AA720349	В	14u
280350301223402128	AA720353	c	14v
280350301223402128	AA720355	A	14w
280350301223402128	AA720362	С	14x
280350301223402128	AA720363	c	14y
280350301223402128	AA720390	121110	142

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	280350301223402128	AA720392	121110	14a@
	280380625076307201 AA	720300MONTALBANO, NICHO	DLAS A,	15
	280380625076307201	AA720304	cc	15a
	280380625076307201	AA720306	11 CC	15b
	280380625076307201 BAAAA ACCAC	AA720316XXX XXXXX	AAAAAA AA AB	150
	280380625076307201 A ACCAC	AA720317XXX	BA BCB AA AA D BAA	15d
	280380625076307201 BAABA ACCAC	AA720318XX XXX	AAAAAAAA AAA A	15e
	280380625076307201 DDDDD DDDDD	AA720319X X	CCCCCCCC CCC D	15f
	280380625076307201 AAAAA AABAC	AA720320 XX	AA AAAAAA AA	159
)	280380625076307201 CCCC DDD	AA720321 X	CBCCCCC CC C A	15h
	280380625076307201 AAAAAA AAAA	AA720322X X XXX	AA AAAA AAAAA AA	151
	280380625076307201 AAAAA AAAAA	AA720323XXX XXXX X	AAAAAAAA AAA AA	155
	280380625076307201 CAAAA CCCCC	AA720324 X X XXX	ВА ВВВВВА ВВ	15k
	280380625076307201	AA720325 XX	AA AAAA AAA A	151
	280380625076307201	AA720326XX XX	С ВВВВ В	15m
	280380625076307201 AAAAAA AABA	AA720327XXXXX	A AAAA AA A	15n
	280380625076307201 CBBBCAAB C	AA720328XXXX	CA BBCCCCCCC BB	150
	280380625076307201 CCCCCAACCC	AA720329	DDDDDDDDDDDDDD CC	15p

280380625076307201 AAAAAAAAAAAA	AA720330XXXXXXXXX	AAAAAAAAAAAAA ABAA	15 g
280380625076307201	AA720331XXXX	CACCBBBCBCCCC BAA	15r
280380625076307201	AA720332 X X	СВССВВВВСВВВ	155
280380625076307201	AA720336 XXXXXXXX	AA A A	15t
280380625076307201	AA720337XXXXX X XX	AA A	15u
280380625076307201	AA720338X XXXXX	AA A A	15V
280380625076307201	AA720340XXXXX	AA AAAAAAAAA	15 W
280380625076307201	AA720341XXXXX	BB	15x
280380625076307201	AA720342XXX X X	AA A AAAAA	15y
280380625076307201	AA720349	В	15z
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280380625076307201	AA720355	AA	15ab
280380625076307201	AA720356	AA	15ac
280380625076307201	AA720358	В	15ad
280380625076307201	AA720362	C	15ae
280380625076307201	AA720363	c	15af
280380625076307201	AA720392	121005	15ag
280380625076307201	AA720393	121005	15ah
280380625076307201	AA720394	1005	15ai
80350601109268011 AA7	41000ARNOLD, EARL P,		16
280350601109268011	AA741006	1	16a
280350601109268011 ABBBBB BBCBB	AA741016XXX XXXX	BBBBBB BB BB BD	16b

280350601109268011 B B CDDDD	AA741017XXX	BB BBDC B BB D C	160
280350601109268011 DBBBB BBCBB	AA741018XX XXXX	вывывывы высо во	16d
280350601109268011	AA741019X XXXX	ВВВВСВ	16e
280350601109268011 AAAAA AAAAA	AA741020 XX	AA AAAAAA AA	16f
280350601109268011 C	AA741021XXXXX X	cccc c c c	169
280350601109268011 BCBBBB CCDD	AA741022XXXXXXXX	BB B BC BBBBCD BB	16h
280350601109268011 CBBBB BBDBC	AA741023XXXXXXXXXX	вывывые вывырыс	161
280350601109268011 BBBBB CCDCC	AA741024XXXXX XXX	ввававсва вв	161
280350601109268011	AA741025 XX	BCCCCCCCCCC	16K
280350601109268011 AAAAA BBBBB	AA741027XXXXX	A AAAA AA AAA	161
280350601109268011	AA741028XXXXX X X	ВВВВВВВВВСВВ	16m
280350601109268011 AAAAAAAAAAA	AA741029 X X	CC C ABA	16n
280350601109268011	AA741030XXXXXXXXX	AAAAAAAAAAAAA	160
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280350601109268011	AA741036 XXXXX XX	AA AAA A	16q
280350601109268011	AA741037XXXXX XX	AA A	16r
280350601109268011	AA741038X X	AA A A	165
280350601109268011	AA741040XXXXX	AA ABCBCBBBCC	16t
280350601109268011	AA741041XXXXX	AA A A B	16u
280350601109268011	AA741042XXX X	AA A AAAAACC	16v

а				
	280350601109268011	AA741043XXXXX XXX	AA A	16W
	280350601109268011	AA741046	AAA	16x
	280350601109268011	AA741049	B B B	16y
	280350601109268011	AA741056	A A A	16z
	280350601109268011	AA741059	в вв	1640
	280350601109268011	AA741062	c cc	1688
	280350601109268011	AA741063	c cc	16ab
	280350601109268011	AA741065	всввеввессс	16ac
	280350601109268011	AA741090	121110	16ad
	280350601109268011	AA741092	121110	16ae
	280350601109268011	AA741093	12	16af
	280350601109268011	AA741096	12	16ag
	280350601109268011	AA741097	12	16ah
	380320220060246632 AA	741000ROSSI, ANDREW A,		17
	380320220060246632 A	AA741016XXX X	BBBBBBBBB BBB A A	17a
	380320220060246632 A	AA741017XX XX XX X	BBBBBBBAA BBB A A	17b
	380320220060246632 ĀAAAA	AA741018XXXXXXXXXXX	AAAAAAAAAAAAAA A A	17¢
	380320220060246632 AAAAA	AA741019XXXXXXXXXXX	AAAAAAAAAAAAAAA A AA	170
	380320220060246632 BB	AA741020XXXXXXXX	BBBBBBBB	17e
	380320220060246632	AA741021XXXX X	BBBB B BBBB B B B	175
	380320220060246632	AA741022 XX XXX	высс в вывы в	179
	380320220060246632 A	AA741023XXX X XXX	BBBBBBBBBB B BBBB A A	17h

380320220060246632	AA741024 X X	BBBBBCBBBB B BB A A	171
380320220060246632	AA741025XXXX XXXXXXXX	AAA AA	175
380320220060246632	AA741027 XX	ввававава вава ва	17k
380320220060246632	AA741028XXXXX XXXXX X	AAA AA A	171
380320220060246632 BCACAAAAA	AA741029X	A A AAAAAAAAAAAAA A A	17m
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380320220060246632	AA741033XXXXX	Саааааааааааааааааа	170
380320220060246632	AA741034XXXXXXX	Саааааааааааааааааа	17p
380320220060246632	AA741035XXXXXXX	A AAAABAAA A	17q
380320220060246632	AA741036XXXXXXXXXX	B BBBBB AB A	17r
380320220060246632	AA741040XXXX	ВВСВВВВВВВ	175
380320220060246632	AA741049	CCCCCB BCC DD B	17t
380320220060246632	AA741050	AAAAAA A B BBCCCB	17u
380320220060246632	AA741051	ввавва с	17V
380320220060246632	AA741052	CCC CC C B	17 W
380320220060246632	AA741054	BBC BB B CD B	17x
380320220060246632	AA741056	AAA AA	17y
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380320220060246632	AA741060	AAAAAA AABBC CCCCCB	17aa
380320220060246632	AA741061	AAAAAAA AAAAA ABBBB	17ab
380320220060246632	AA741064 X XXXX	AAAAAA AA	17ac
380320220060246632	AA741065XXXXXXX XXX	AAAAAA AA	17ad
380320220060246632	AA741066XXXXXXXXXX	AAAAAAA A	17ae

380320220060246632	AA741067XXXXXXXXXXXXXXX	AA AA	1781
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380320220060246632	AA741074	A A	17ai
380320220060246632	AA741076	В В	17aj
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380320220060246632	AA741089	c	17al
380320220060246632	AA741090	121010	17am
380320220060246632	AA741096	121010	17an

(J31270) 6-NOV-74 09:08;;;; Title: Author(s): Duane L. Stone/DLS; Distribution: /RJC([INFO-ONLY]) ELF([INFO-ONLY]) EJK([INFO-ONLY]); Sub-Collections: RADC; Clerk: DLS; Origin: < STONE, CARDS.NLS;1, >, 1-NOV-74 08:37 DLS;;;;####;

DLS 6=NOV=74 09:25 31271

Modern Programming Practices -- Test and Evaluation Section of 5550 Writeup

This writeup was done quickly, under time pressure...however I feel I can support most of the statements with quotes from the Monterey Study....Journaling for the record

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Modern Programming Practices -- Test and Evaluation Section of 5550 Writeup

MODERN PROGRAMMING PRACTICES -- TEST AND EVALUATION

It is generally felt by those in the Research community that many of the modern programming practices, when supported by appropriate tools, can significantly improve the productivity of programming teams and reduce the errors and cost of programming. There is only scattered evidence that supports this hypothesis and none available from in-house AF projects. Previous studies in this area generally reveal that the skill of the programmer is the main factor in determining productivity and error rate. Before the managers of programming shops and teams can invest the time to retrain their programmers, and before the AF can impose this on their contractors, more detailed and systematically organized evidence as to the effectiveness and cost of these practices is needed.

There are traditionally two basic ways that one can proceed when trying to make an evaluation of this type.

One is to set up a controlled experiment, where all the variables except those one is studying, are held constant. Since programming is essentially a human and creative task, and since the individual has played a dominate role in past experiments, this approach suffers from the inability to control for "extraneous" numan variables which might affect the outcome.

The other is the "numbers game". This approach is simply to conduct similar experiments many times, with minimal attempts at control. If on the average the dependent variable increases or decreases, then one can predict in a probability sence, what can be expected of other populations. This approach can be very costly, since one cannot be sure how many experiments are necessary before the data can be considered reliable.

This does not mean that nothing can be done. Data exists now that could shed some light on the question. The "average" productivity rate is currently quoted as 10 lines of debugged code per man/day. Curves of errors vs time for large AF systems are available. Data is available from IBM, TRW and others on specific projects where selected modern programming techniques were used. We are not totally in the dark, We do have points of comparison, against which the performance of a team of "modern programmers" can be judged.

As in any scientific undertaking, the first step is to catagorize, organize and generally make the current knowledge visible in a systematic manner. There are 3 dependent variables of interest;

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1e3

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1e5

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Modern Programming Practices == Test and Evaluation Section of 5550 Writeup

productivity, error and cost. There are 4 major phases in the software life-cycle; development, operation, maintenance and modification. There are 4 types of people involved; managers, analysts, coders and documentalists. There are a multitude of languages and tools used to support the process. There are interactions among many of these. The complexity of the problem must be reduced by representing it in matix or tree form. Only then, can one discover the principle contributers to performance, error and cost.

The basic approach to testing will be to take the modern programming practices of IBM as a base line. To select and train programming teams in the use of these techniques, provide them with the tools (via the Nsw if possible), and monitor their performance from a productivity, error and cost standpoint. A number of candidate organizations and projects are currently being considered. Among these are:

The DAIS Project -- They are starting a new project, so such things as top down design can be readily included in the evaluation.

Data Services Center = They have many software projects in all 4 phases of the software life-cycle. They will be one of the initial NSW users.

The MAJCOM Update -- The standard software for this is being produced by AFDSDC, who will have access to the NSW, where many of the tools will reside.

The WWMCCS-=This depends on the identification of an unclassified project or alternatively, the transferal of tools to the WWMCCS environment.

RADC contractors == Many of the contracts awarded by RADC result in the delivery of software. The contractor will be contractually obligated to use proceedures, practices and tools provided to him by RADC.

Finally, any experiment must show significant results, since the conditions surrounding the experiment cannot be precisely controlled. A 10% increase or decrease in productivity, error or cost says nothing. One would need a 50-100% change as a minimum before he could say that there was a difference.

DLS 6=NOV=74 09:25 31271

Modern Programming Practices -- Test and Evaluation Section of 5550 Writeup

(J31271) 6-NOV-74 09:25;;;; Title: Author(s): Duane L. Stone/DLS; Distribution: /RBP([INFO-ONLY]) FJT([INFO-ONLY]) JLM([INFO-ONLY]) RN2([INFO-ONLY]); Sub-Collections: RADC; Clerk: DLS; Origin: < STONE, ROG.NLS;1, >, 4-NOV-74 09:02 DLS;;;;####;

iModern Proramming eval

oThis is a brief set of notes made on our visit to ${\tt IBM,Dick\ Nelson}$ and ${\tt I}$

Dick and i met with some IBM types who are responsible for trying to measure the effect of "modern programming practices " on the productivity of programmers.

First they are restricting their measurments to just how many line of code per unit of time. They are making no attempt to look at all at any other measure.

They try to count only new lines of code, not code a programmer has copied form some other program of his own or some else.

Their measurements have looked at stictly development project from the time of analysis to acceptance . There has no attempt to observe the effect on maitenance . They did on one large project keep track of the number of design changes and schedule impact.

They have looked at about 50 projects with some kind of measure. In general they have had the programming team make the actual counts etc which is one reason for the wariness about the data. They are not sure the teams allways understood their defintions for "instance on say new lines of code.

None the less, the data is neat in that it clearly shows a trend. In all cases the productivity has increased. Any where from 2 to 5 times as much code per unit of time. They were terifoly reluctant to talk about it though finally did pull it out of them but because of all of the variability they seem to want to reserve any staements for publication for much more study.

Dick Nelson finnaly got them to agree that maybe they could make the data avaiable to us as proprietary into.

It seem that the neat things are their definitons as to what they counted their experiences in collecting the data the data it self and some of their leads where we might go or follow in terms of making a more general evauation.

One other point of interest is that IBM Yorktown is doing some basic research in this area and sounds as if it is worth at least a call and probably a visit. I did not get a name to contact but am sure f Long or some one can track it down for us. Also heard Dick mention that Hughes has been collecting some data as well.

Though the data is not too firm it appeared there was a substantial increase of productivity when the PSL was introduced on one large project.

iModern Proramming eval

(J31272) 6-NOV-74 11:09; Title: Author(s): John L. McNamara/JLM; Distribution: /FJT DLS; Sub-Collections: RADC; Clerk: JLM; Origin: <MCNAMARA>TRIP,NLS:1, 6-NOV-74 10:59 JLM;

can i use sendmail

5-NOV-74 06:38:25,536	1
Date: 5 NOV 1974 0638-PDT	2
From: NAPKE	3
Subject: L10 assistance	4
To: hopper at SRI-ARC	5
cc: napke	6
	7
HiI am in the same group as the architect as Inez MattiuzBell Canada, Montreal. I was told by Inez that you might be my 110 contact. Is this true? I am trying to put together a Information Retrieval Packagehowever, I do need some assistance. If you are my contact is it possible that we could link sometime soonalso, if you are not my contact could you let me know?	8 9
Thank you,	11
penny	12

can i use sendmail

Acres.

(J31273) 6=NOV=74 13:13;;;; Title: Author(s): Penny A. Napke/PAN; Distribution: /PAN([ACTION]) PAN([INFO=ONLY]) ; Sub=Collections: NIC; Clerk: PAN; Origin: <NAPKE>Y.NLS;1, 4=NOV=74 11:51 PAN ;####; can I use sendmail

hopefully, i will be able to send a comment as well as a fule

PAN 6=NOV=74 13:17 31274

can I use sendmail

5=NOV=74 06:38:25,536	
Date: 5 NOV 1974 0638-PDT	
From: NAPKE	
Subject: L10 assistance	
To: hopper at SRI-ARC	
cc: napke	
HiI am in the same group as the architect as Inez MattiuzBell Canada, Montreal. I was told by Inez that you might be my 110 contact. Is this true? I am trying to put together a Information Retrieval Packagehowever, I do need some assistance. If you are my contact is it possible that we could link sometime soonalso, if you are not my contact could you let me know?	
	10
Thank you,	1
penny	13
	- 13

can I use sendmail

(J31274) 6-NOV-74 13:17;;;; Title: Author(s): Penny A. Napke/PAN; Distribution: /PAN([ACTION]) PAN([INFO-ONLY]); Sub-Collections: NIC; Clerk: PAN; Origin: <NAPKE>Y.NLS;1, 4-NOV-74 11:51 PAN; ;####;

Please send us documentation on NLS-8. Our mailing address	
is :-	2
The Director,	28
Attn: K.McCloghrie C44,	21
National Security Agency,	20
9800, Savage Road,	20
Fort George G. Meade,	26
Maryland, 20755,	21
Thank-you,	3
Keith McCloghrie, (NSA=C44@BBN=TENEX).	4

Request for documentation

(J31275) 6-NOV-74 13:53;;;; Title: Author(s): Tom E. Hassing/TEH; Distribution: /TEH([ACTION]); Sub-Collections: NIC; Clerk: TEH;

Journalized is a Copy of a message that I thought i had sent you the other day. Apparently it wasnot sent as I found a file in my directory called "unsent messages" and it contained the one I thought I sent to you. If you did happen to receive it, please excuse repitition.

PAN 7-NOV-74 05:50 31277

5=NOV=74 06:38:25,536	
Date: 5 NOV 1974 0638=PDT	
From: NAPKE	
Subject: L10 assistance	4
To: hopper at SRI-ARC	
cc: napke	6
HiI am in the same group as the architect as Inez MattiuzBell Canada, Montreal. I was told by Inez that you might be my 110 contact. Is this true? I am trying to put together a Information Retrieval Packagehowever, I do need some assistance. If you are my contact is it possible that we could link sometime soonalso, if you are not my contact could you let me know?	10
Thank you,	1:
penny	17
	4.3

(J31277) 7=NOV=74 05:50;;; Title: Author(s): Penny A. Napke/PAN; Distribution: /JDH([ACTION]) PAN([INFO=ONLY]); Sub=Collections: NIC; Clerk: PAN; Origin: < NAPKE, Y.NLS;1, >, 7=NOV=74 05:43 PAN;;;;<NAPKE>Y.NLS;1, 4=NOV=74 11:51 PAN; ####;

This is how mail1 will be received .. = title

Hee is where a msg would appear, welcome aboard! Jim Bair (This is a test from Carolyns directory).

This is how mail1 will be received .. = title

(J31278) 7=NOV=74 09:41;;;; Title: Author(s): Carolyn A. Grimm/CAG2; Distribution: /BJR([ACTION]) CVE([ACTION]) CAG([ACTION]) MAP2([INFO=ONLY]); Sub-Collections: NIC; Clerk: CAG2;

Info from DVN on COM prices and procedures

This is a pointer at information about DDSI COM and hardcopy procedures and prices. Bill asked me to cend him a copy as he couldn't find his orriginal copy of the information.

/larry

Bill,	1
Dirk VanNouhuys pointed me at the following documents in the journal system for information on COM prices and procedures:	2
Dirk's initial note (mjournal, 24406,)	2a
(procedures) (hjournal, 24105,)	2b
(prices) (mjournal,23549,1:w)	20
Just by rough figuring, i estimate that to support our entire output at those prices would cost:	3
masters 60 manuals X s300/manual =18,000	3 a
repros 60 manuals x 1000copies each x,25 =15,000	36
****total per month**** =33,000	30
versus the aproximately 25,000 bill now	3c1
with the way paper is rising, by the time we change over to NSW completely, we may be able to justify the project even at DDSI prices	4

Info from DVN on COM prices and procedures

(J31279) 7-NOV-74 12:07;;;; Title: Author(s): Lawrence A, Crain/LaC; Distribution: /WEC([ACTION]) DVN([INFO-ONLY]) JCN([INFO-ONLY]) RWW([INFO-ONLY]) AAB([INFO-ONLY]) LAC([INFO-ONLY]); Sub-Collections: NIC; Clerk: LAC;

This is just for fun

Hi, you don't know who I am but I've been spending the afternoon with some acquaintances of yours - maybe I'll see you sometime!

1

This is just for fun

(J31280) 7=NCV=74 12:47;;; Title: Author(s): Susan R, Lee/SRL; Distribution: /JNH([INFO=ONLY]); Sub=Collections: SRI=ARC; Clerk: SRL;

fun and games within a lesson

hi barbara were you able to get printout and was everything ok?

fun and games within a lesson

(J31282) 7-NCV-74 14:52;;;; Title: Author(s): Carolyn A. Grimm/CAG2; Distribution: /BJR([ACTION]) MAP2([INFO-ONLY]); Sub-Collections: NIC; Clerk; CAG2;

gggg

(J31283) 7=NCV=74 16:07;;; Title: Author(s): James C, Norton/JCN; Sub=Collections: SRI=ARC; Clerk: JCN;

FILM

I have sent two roles of film I had with Frank, You can replace them when you get back. Have fun',,....roger

1

FILM

(J31284) 8=NCV=74 04:56;;; Title: Author(s): Roger J. Martin/RJM2; Distribution: /CMC([ACTION]); Sub=Collections: NIC; Clerk: RJM2;

Gene - Following are items summarized by Len for next week's discussion.eja	1
INFORMATION THAT MIGHT BE COLLECTED ABOUT EACH DATA BASE	2
I. Data Base	2a
a, General description and stated purpose of data base	2a1
b. Areas covered	2a2
bi, Training areas	2a2a
b2. Categories of information (see attached list)	2a2b
c. Published format	2a3
c1. Issue data (e.g., monthly, yearly,)	2a3a
d. Mode of use (e.g., interactive retrieval, batch, microfiche, printed form, etc.)	2a4
e. Availability of data base	2a5
e1, Owner	2a5a
e2, Cost	2a5b
e3, Ways of obtaining for ownership	2a5c
e4. If needed for occasional use, where would the data base typically be found?	2a5d
e5. If under development, when will the data base be completed?	2a5e
f. Availability of documentation describing data base	2a6
f1, Citations of sources reviewing data base	2a6a
g. Audience to whom data base is intended	2a7
g1. Special training required to use	2a7a
h. Maintenance procedures	2a8
h1. Frequency of update	2a8a
h2. Who determines entry candidates?	2485

	h3,	Who makes final entry decisions?	2480
	h4.	who formulates actual entries?	2886
	h5,	volume of updating activity per unit time	2886
i.	Size	e of data base	2a9
	11.	Base size (i.e., present number of citations)	2a9a
	12.	Volume of growth	2895
1.	Tecl	nnical characteristics (if data base is computerized)	2a10
	j1,	Storage media	2a10a
	j2,	Computer specifications .	2a10b
	13.	Availability of documentation and consultations	2a10c
	14.	software package used	2a10d
	15.	Transportability	2a10e
	j6,	Machine dependency	2a10f
	Items	in Data Base	20
a,	Typ	e of items	251
	a1,	If more than one type, estimation of distribution	2018
	a2,	Are items foreign or domestic?	2011
b,	Cri	teria for inclusion in data base	262
	ы1.	specific exclusions, if any	2628
c,	Aud	ience to whom items are intended	2b3
d,	Ava	ilability of listed items	254
	di,	Type of owners	2046
	d2,	Costs	2641
	d3,	Ways of obtaining (for ownership or temporary use)	2540
e.	Inf	ormation given about items	265

el. How information might be used (e.g., search, review, selection, curricula planning, etc.)	2p5a
III. Evaluation of Data Base	20
a. Relevance to TRAIDEX users	2c1
al. Important data elements	2c1a
a2, Areas of training	2015
a3. How data base might be used	2010
b, Completeness	2c2
c. Accuracy	2c3
d, Uniqueness	204
e. Special features	2c5
IST OF CANDIDATE ITEMS TYPES(The following are the items we might ry to find data bases for.)	3
1. Computer-assisted instruction	3 a
a, Courses	3a1
b, Programming systems	3a2
2. Simulation and gaming exercises	36
3. Films	30
4. Filmstrips	3 d
5. Videotapes	3 e
6, Slide sets (visual/audiovisual)	3 £
7. Pictorial displays	3 g
8. Phonorecords (discs/tapes)	3h
9. Transparencies	31
10. Textbooks/Monographs	35
11. Multimedia instructional packages	3 k

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draft for traidex data base

13. Lectures/Lecturers 14. Commercial/Educational a. Radio b. Television 15. Current events 16. Data bank (e.g. census information) 17. Maps 18. Almanacs 19. Atlases 20. Sheet music 21. Artwork 22. Course objectives (e.g. Popham's work at UCLA) 23. Test items/Tests/Student evaluation strategies 24. Training equipment 25. Training facilities 26. Training facilities 27. Learning research 28. Instructional strategy suggestions ATEGORIES OF INFORMATION(TAKEN from ISI work statement) 1 = Resource material 28. Simulation devices and part task trainers 38. Technical training equipment 42. Training aids 42. Training aids		
a. Radic b. Television 3n2 15. Current events 16. Data bank (e.g. census information) 3r 17. Maps 18. Almanacs 19. Atlases 20. Sheet music 21. Artwork 22. Course objectives (e.g. Popham's work at UCLA) 23. Test items/Tests/Student evaluation strategies 24. Training equipment 25. Training facilities 26. Training research 28. Instructional strategy suggestions 3r	12. Media-production services	31
a, Radic b, Television 15. Current events 16. Data bank (e.g. census information) 17. Maps 18. Almanacs 19. Atlases 20. Sheet music 21. Artwork 22. Course objectives (e.g. Popham's work at UCLA) 23. Test items/Tests/Student evaluation strategies 24. Training equipment 25. Training facilities 26. Training courses 27. Learning research 28. Instructional strategy suggestions ATEGORIES OF INFORMATION(TAKEN from ISI work Statement) 1 = Resource material 28. Simulation devices and part task trainers 30. Data bank (e.g. census information) 31. Data bank (e.g. census information) 32. Data bank (e.g. census information) 33. Data bank (e.g. census information) 34. Data bank (e.g. census information) 35. Data bank (e.g. census information) 36. Data bank (e.g. census information) 37. Data bank (e.g. census information) 38. Data bank (e.g. census information) 38. Data bank (e.g. census information) 39. Data bank (e.g. census information) 30. Data bank (e.g. census information) 31. Data bank (e.g. census information) 32. Data bank (e.g. census information) 33. Data bank (e.g. census information) 34. Data bank (e.g. census information) 35. Data bank (e.g. census information) 36. Data bank (e.g. census information) 37. Data bank (e.g. census information) 38. Data bank (e.g. census information) 39. Data ban	13. Lectures/Lecturers	3 m
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18. Almanacs 19. Atlases 20. Sheet music 21. Artwork 22. Course objectives (e.g. Popham's work at UCLA) 23. Test items/Tests/Student evaluation strategies 24. Training equipment 25. Training facilities 26. Training courses 27. Learning research 28. Instructional strategy suggestions ATEGORIES OF INFORMATION(TAKEN from ISI work statement) 1 = Resource meterial 28. Simulation devices and part task trainers 29. Technical training equipment 20. Training aids 30 31 32 34 35 36 37 38 38 39 30 30 30 30 30 30 30 30 30	16. Data bank (e.g. census information)	3p
19. Atlases 20. Sheet music 21. Artwork 22. Course objectives (e.g. Popham's work at UCLA) 23. Test items/Tests/Student evaluation strategies 24. Training equipment 25. Training facilities 26. Training courses 27. Learning research 28. Instructional strategy suggestions 33aa 34TEGORIES OF INFORMATION(TAKEN from ISI Work Statement) 48	17. Maps	39
20. Sheet music 21. Artwork 22. Course objectives (e.g. Popham's work at UCLA) 23. Test items/Tests/Student evaluation strategies 24. Training equipment 25. Training facilities 26. Training courses 27. Learning research 28. Instructional strategy suggestions ATEGORIES OF INFORMATION(TAKEN from ISI Work Statement) 1 = Resource material 28. Simulation devices and part task trainers 40. Technical training equipment 40. Training aids 40.	18, Almanacs	3r
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24. Training equipment 25. Training facilities 26. Training courses 27. Learning research 28. Instructional strategy suggestions ATEGORIES OF INFORMATION(TAKEN from ISI work statement) 1 = Resource material 28. Simulation devices and part task trainers 40. Technical training equipment 40. Training aids 40.	22. Course objectives (e.g. Popham's work at UCLA)	3 у
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26. Training courses 27. Learning research 28. Instructional strategy suggestions ATEGORIES OF INFORMATION(TAKEN from ISI work statement) 1 = Resource material a, Simulation devices and part task trainers b. Technical training equipment c. Training aids 32 32 34 36 46 46 47 47 48 48 48 48 48 48	24, Training equipment	3 x
27. Learning research 28. Instructional strategy suggestions ATEGORIES OF INFORMATION(TAKEN from ISI work statement) 1 = Resource material a, Simulation devices and part task trainers b. Technical training equipment c. Training aids 3aa 4aa 4aa	25. Training facilities	Зу
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1 = Resource material a, Simulation devices and part task trainers b. Technical training equipment 4a2 c. Training aids 4a3	28. Instructional strategy suggestions	3aa
a, Simulation devices and part task trainers 441 b. Technical training equipment 442 c. Training aids 443	ATEGORIES OF INFORMATION(TAKEN from ISI Work Statement)	4
b. Technical training equipment 4a2 c. Training aids 4a3	1 - Resource material	4a
c. Training aids 4a3	a, Simulation devices and part task trainers	4a1
	b. Technical training equipment	4a2
d. Audic visual materials 4a4	c. Training aids	4a3
	d, Audic visual materials	484

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draft for traidex data base

e. Training literature	445
2 = Job/skill analysis information	4b
3 - Training requirements analysis information	40
4 New education/ resource developments (techniques, materials, technology)	4d
5 - Applications of training resources	4e
6 - Effectiveness of training resources	4£
7 - Availability of training resources	49
8 - Training facilities	4n
a, Instructors	4h1
b. Existence of equipment	4h2
c. Existence and configuration of laboratories	4h3
d. Existence of classrooms	4h4
9 - Course descriptions	41

draft for traidex data base

(J31285) 8=NOV=74 07:19;;; Title: Author(s): Ernest J. Anastasio/EJA2; Distribution: /WCM([ACTION]) BVH([INFO=ONLY]); Sub=Collections: NIC; Clerk: EJA2; Origin: < ANASTASIO, TRAIDEX.NLS;7, >, 8=NOV=74 06:57 EJA2;;;;####;

proposed revision of Bell Canada Forecasting Briefs

how does this look

proposed revision of Bell Canada Forecasting Briefs

H.Q. Planning Bell Canada

W.W. Simmons, Inc. Greenwich, Connecticut

> Exploratory Planning Briefs Bell Canada

Bell Canada's Business Planning Group has the objective of identifying future business opportunities or potential threats to the corporation. These opportunities or threats are those which might arise through technological, social, or market dvelopments in the intermediate future (5 to 15 years). A secondary objective is the dissemination of future oriented information to corporate executives and other Bell planning and research groups.

The types of outputs developed by the group include new service and business proposals, environmental outlook reports, corporate overviews on issues of major concern, targeted outputs, and subject sourcebooks.

The work of the group is also extensively documented in the many reports on developments in the research methodologies employed by the group. This documentation includes reports on the group's use of survey research, trend extrapolation, substitution analysis, Delphi, cross-impact analysis, multi-dimensional scaling, and technology assessment work.

The group has conducted six Delphi studies examining four fields: Education, Medicine, Business Information Systems, and Future Home communications Services. The main thrust of this research was to identify emerging changes that would have an impact on the market for visual and computer communications.

In the field of technology assessment, the group has conducted an assessment of the impact of Computer=Assisted Instruction in universities, utilizing the cross-impact analysis approach. A new methodology for conducting assessments was developed by the group and applied in an assessment of the impact of some of the ""wired city" type communications services that were analyzed in a previous Delphi study of the group.

H.Q. Planning Bell Canada

W.W. Simmons, Inc. Greenwich, Connecticut

Exploratory Planning Briefs
Bell Canada

The field of communications/travel substitutability is being explored on both a macro- and micro- basis by the group, plans for the future call for a technology assessment of transportation and related energy consumption in North America. This work is being conducted under the broader auspices of the group's interest in teleconferencing. Video, audio, and computer-augmented forms of teleconferencing are being utilized and analyzed by the group in an effort to identify and understand the factors determining their utilities for different types of communications problems. The group is currently participating in the Office-i Intellect Augmentation Program (developed by SRI's Augmentation Research Center), FORUM (a computer conferencing medium developed by the Institute for the Future, and CMI-II, a computer conferencing package developed at "Northern Research. The group also participates in and cooperates in the research on Bell Canada's trial conference television system.

Trend extrapolation and analysis have played an important part in the group's forecasts in several areas: Canadian economic trends to year 2000, industry and corporate trends to year 2000, and computer and peripheral markets to 1980.

Bell Canada also makes use of Hudson Institute studies in connection with their own assessment of the future of the corporate environment, C.A. Harris, Vice-president (public and Environmental Affairs) is responsible for the company's involvement with the Institute.

The group has also recently organized its own Futures Information System - a key-word indexed, retrieval system utilizing a time shared computer. This was developed to facilitate the handling and search of the extensive amount of "futures" data the group has assembled over the past few years. The system is based upon the development of hundreds of abstracts that summarize forecasts or futures statements in a particular document.

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H.Q. Planning Bell Canada

W.W. Simmons, Inc. Greenwich, Connecticut

> Exploratory Planning Briefs Bell Canada

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11

proposed revision of Bell Canada Forecasting Briefs

(J31286) 8=NOV=74 08:34;;; Title: Author(s): Michael T. Bedford/mIKE; Distribution: /LHD([ACTION]); Sub=Collections: NIC; Clerk: MIKE;

-- Mike

	Please add the following directory on Office=1 for SRI:	
	Directory name: PORT	
	IDENT: SDP	2
	Account:	2
	Password: SDP	2
	Disk pages: 300	2
	Allocation group: 10	2
	Default protection: 770000	2
	Person's name: Port, Steve D.	2
	Address: SRI = L3068	29
	Phone: 326=6200 x2516	29
	Organization: SRI	2
)	Function: Project Systems Analyst	2
	In addition, please delete the directory of Carola Elliot on Office=1	

1

(J31287) 8-NOV-74 09:00;;;; Title: (Unrecorded) Title: Author(s): Michael A. Placko/MAP2; Distribution: /FEEDBACK([ACTION]); Sub-Collections: NIC FEEDBACK; Clerk: MAP2;

contradictions have been alledged in our description of the elephant.	
the review meeting will be at 3:00 in the project room.	
a recursive redefinition plan should emerge.	

(J31288) 8-NOV-74 09:09;;;; Title: Author(s): Carolyn A. Grimm/CAG2; Distribution: /JHB([ACTION]) DVN([INFO-ONLY]) ; Sub-Collections: NIC; Clerk: CAG2; Origin: < GRIMM, MEMO.NLS;2, >, 8-NOV-74 09:06 CAG2;;;;####;

1a

1 b

10

101

102

103

1 d

1e

1el

101a

1e2a

RESPONSE OF SOME KWAC MEMBERS TO NLS-8

Some weeks ago I sent a message to most of the KWAC group asking for their comments on the upcoming version of NLS. The response from the group was not well representative of the group as a whole. All the responses were from the original KWAC users and none from the newer group. I have taken the comments and put them together in this note. I hope that this represents the feelings of those who responded and I apologize before hand for any omitions.

The comments expressed here are for the version of NLS-8 that was maintained at OFFICE-1 as PREVIEW.SAV;5. Most of the bugs and/or problems have been corrected in the version now at OFFICE-1. Never-the-less this may serve to desiminate some of the views of some Kwac members.

The people whoes responses are included here are:

Inaz Mattiuz

Connie Mclindon

puane Stone see (Mjournal, 31122, 1:W)

Bob Sheppard

Most, if not all, of these comments apply to the TNLS portion of NLS rather then to both systems. See the document (MJOURNAL, 31122, 1:w) for more comments about the DNLS part of the system.

Listed below are the areas that were commented on.

SYSTEM RESPONSE TIME

The response to this question now becomes a moot issue due to the installation of the increased memory package.

PROMPTS (too many? meaningful?)

The prompts seem to be usefull during the first stages of learning the system. They seem to be somewhat of a nunance thereafter, It is true that they can be turned off however, it would be convicuent to control them through a viewspec so that they can be turned on when within another subsystem other than Base

Noise Words: These seem to be quite useful and some find

them more useful than the prompts. It seems that more of these would be welcome.

1e2a1

COMMANDS (too complex? better in DNLS?)

1e3

The suggestions within this catagory cover a wide range. Chief among the suggestion is the fact that many commands do not seem to reflect their function as judged from the command name. For example, Force Case. Other commands seem overly complex and may be better broken into two commands. The show Directory command for example. In the TNLS version of NLS many of these commands leave the terminal page with a mass of prompts, echos and renders the command line a rather garbled mess of characters, Show Directory, Jump word Next..etc, and several other are good examples of this, After using several of these commands the terminal paper shows little resemblance to the act performed in the system.

1e3a

FEEDBACK (response time?)

1e4

The feeling is that FEEDBACK is doing a good job of aiding the users and informing them of action taken on their suggestions. No complaint was conveyed to me about FEEDBACK, in fact the response was in in a tone complimenting FEEDBACK.

1e4a

SUBSYSTEMS (is HELP really useful?)

1e5

HELP*

1e5a

This subsystem has to potential to be a vast improvement over may of the documentations available on NLS. However, much work needs to be done on this subsystem before it can reach its maximum benefit to users. There are many errors and omitions in this system but it was still able to answer most of the user questions, However it is still not complete in its description of many of the commands. For example, the command "SET CONTENT (to) ... nowhere in the help system does it tell you to use quotes and square brackets with this command.

1e5a1

The HELP subsystem has the potential to replace much of the documentation for teaching the system. Once the bugs are removed from NLS, it was suggested that SRI-ARC spend considerable time on improving HELP and using it to replace the necessary documentation on NLS

1e5a2

SENDMAIL*

1e5b

It is felt that the default option in this system should be "interogate" More work is needed on the "Interogate" command to make it cleaner and more strightforward. The delivery as "unrecorded" should be identical to "sndmsg" in TENEX.

1e5b1

TENEX#

1e5c

It would be a good idea to change the TENEX herald when in this subsystem. It is easy to think you are at the EXEC level and rementer NLS or try to logout, Why not use "TENX" as the herald rather than "9" ?

1e5c1

CALCULATOR*

1e5d

Is this subsystem really available? It cant be found,

1e5d1

INDENTIFICATION*

1e5e

This subsystem contains many errors due to the turn around of personal at the various companys/labs etc. Ideally, this system should have the feature that will enable the archetects to change and update information that pertains to their office. Also the chairman or coordinator of a group such as KWAC should have the ability to upday this data base as names are added. It would be nice if the system had the postal address of the people/persons listed.

1e5e1

USER PROGRAMS

1e6

All the programs described in the list given in <USER=PROGS>=CONTENTS
Should operate in the new version of NLS=8. The old system, which still provides use of these, should remain on=line until the programs can be run in the new version of NLS.

1e6a

SYSTEM BUGS

1e7

There have been a number of bugs found in the new version of NLS=8, i.e. preview.5. Bug are expected in any new system that is made available for snakedown, however, from my limited working of the system I have found a number of them that I would have expected would have been removed by this time. These bugs were reported to FEEDBACK and subsiquent action was taken to inform ARC of them.

1e7a

DOCUMENTATION

1e8

The initial documentation of the NLS-8 system was found to be lacking many explainions. The result was to require the user to refer to the HELP subsystem. This is exactually what should be done in this case, however, the HELP subsystem was found usefull only to the experienced users and not sufficient for new users or for teaching the system. Much work must be done on this subsystem before it can meet its intended goal of being an instructional base for inquiring into NLS. It has been suggested that the ARC staff spend their time improving this subsystem rather then producing documentation.

1e8a

109

TRANSITION PERIOD (what length of time?)

The transition period should be in two phases. (1) There should be a resonably long 40=60 day period where experienced users (KWAC?) could use the new system and discover many of the bugs. Phase 2 would be the actual introduction of the system into general use but maintaining the older system for only 10=15 days. This could be shortened, but only if the newer system is relatively bug free, However, the duel systems should not run for more then 2 weeks.

1e9a

(J31289) 8=NOV=74 10:34;;; Title: Author(s): Robert M. Sheppard/RMS2; Distribution: /KWAC([ACTION]); Sub=Collections: NIC KWAC; Clerk: RMS2;

journal delivery

my journal delivery does not work,

journal delivery

(J31290) 8=NOV=74 10:55;;; Title: Author(s): Carolyn A. Grimm/CAG2; Distribution: /FEEDBACK([ACTION]) CAG2([INFO=ONLY]); Sub-Collections: NIC FEEDBACK; Clerk: CAG2;

we set TENEX permission to read for group and a member of our group It did work was still not able to read concerned file. when set for public read,

problem with group permissions

(J31291) 8=NCV=74 11:02;;;; Title: Author(s): Barbara J.
Ripple/BJR; Distribution: /FEEDBACK([ACTION]) CAG2([INFO=ONLY])
; Sub=Collections: NIC FEEDBACK; Clerk: BJR;

D	1	October - Tuesday	1
1		News Brief items due into Becky Today, (KJOURNAL, 19533, 1:W)	1a
		Bobbie: Personnel Strength Rpt, due,	16
		1300 hrs. Branch Chiefs Meeting	10
		Due Date = ISI/T. Bucciero USAF Scientific Spinoff Fact Sheet = Completed	10
		Due Date = ISIS/R, Motto Cont. F30602=73=C=0101 = Completed	1e
	2	October - Wednesday	2
		ISC Confessions 0830 hrs.	2a
	3	October = Thursday	3
		0830 hrs, Branch Chiefs Meeting	3 a
		Laboratory Activity Reports due today: Bucciero must have them by 1000, ISM must have them by 1100, and DOT must have them by 1600.(KJOURNAL, 19513,1:w)	3b
)		Due Date = ISI/T, Bucciero R&D Computer Facility Support to Contractors = Completed	3 c
	4	October = Friday	4
		Due Date - ISIS - Unsol Prop DO 29=75, "A COBOL Automatic Validation System" - Completed	4a
	7	October - Monday	5
		DL Technology Review +IS is presently scheduled for 1515 = 1730 hrs.	5 a
		Due Date = ISIM/W. Rzepka = F30602=73=C=0327 = Completed	5 b
		Due Date - ISIS/M, Landes - Review of Draft Microform Software Documentation (Return to ISFA/T, Osinski) - Completed	5 c
	8	October - Tuesday	6
		DL Technology Review	6a
		1300 hrs. Branch Chiefs Meeting	6b

9	October - Wednesday	7
	DL Technical Technology	7 a
	ISF Confessions 0830 hrs.	7 b
10	October - Thursday	8
	Branch Chief's Meeting - 1500 hrs.	88
	NOTICE - Mr. William Wolf, President of Wolf Computer Corp. Will present DICTRAN = a new word processing system which enables man-machine communication using the spoken word. "In a word processing environment, the programmer would probably communicate his program at a rate of 100 words per minute or more, using a standard kind of dictation machine or other word processing system." Briefing will be held at 0930 hrs. in Bldg. 3, Conference Room 1006. For further details, contact Michael Landes, ISIS, X7546.	9.0
	Laboratory Activity Reports due today: Bucciero must have them by 1000, ISM must have them by 1100, and DOT must have them by 1600.(KJOURNAL, 19513,1:w)	80
	Due Date - ISIS - Proposed Release Software Reliability - F30602-74-C-0036 Study	8 d
11	October = Friday	9
	Timecards due today	9a
14	October - Monday	10
	Due Date = ISIM/D, Stone = Determination of Final Invention F30602-72-C-0313 = SRI	10a
	Update <tomaini>VGRAPH for confessions</tomaini>	106
15	October = Tuesday	11
	Due Date = Bucciero/Landes/Iuorno = Outside Employment = Completed	11a
	ISIM = Bergstrom = Contract F30602=73=C=0165	116
	1300 hrs. Branch Chiefs Meeting	110
	Due Date - ISIM/ISIS - Request AF Forms 1152s for USC Term III, 28 Oct through 20 Dec 74, courses be submitted to this office by 15 Oct 74. Courses to be offered are:	

1		SSM 531 = Man-Machine Factors in Systems Management SSM 510 = Aerospace Management Communication Theory The NEW Tuition Rate is \$291.00.	110
		SSM 531 - Man-Machine Factors in Systems Management	11d1
		SSM 510 - Aerospace Management Communication Theory	1102
		The NEW tuition rate is \$291,00.	110
	16	October - Wednesday	12
		R & T Selection of the Month is due in ISI. (KJOURNAL, 19531, 1:W)	128
	17	October - Thursday	13
		0830 hrs, Brench Chiefs Meeting	13a
		Laboratory Activity Reports due today: Bucciero must have them by 1000, ISM must have them by 1100, and DOT must have them by 1600.(KJOURNAL, 19513,1:w)	136
	18	October - Friday	14
	21	October - Monday	15
		ISIM = Stone = F30602-74-C-0076	158
		Due Date = ISIS/D, Mark = Final Report, Vol VII, F30602=74=C=0186 for technical review (IBM)	150
	22	October - Tuesday	16
		Bernum - TDY	168
		Due Date = ISI\Tomaini = Fy=76 Congressional Testimony	16b
		CDC Presentation on Control Data Microprogrammable Processor Systems = 9:00 = Conf. Rm. i = J. Previte	160
		1300 hrs, Branch Chiefs Meeting	160
	23	October - Wednesday	17
		ISIS - SAMSO TN's, MASIS Rpts and DD1634	17a
		ISI Confessions 0830 Hrs.	17b
		Barnin - TOV	170

24	October - Thursday	18
	Briefing on Software Reliability Study - Conf. Rm. 1 - 1330hrs J. Cellini: Contact	18a
	0830 hrs. Branch Chiefs Meeting	186
	Laboratory Activity Reports due today: Bucciero must have them by 1000, ISM must have them by 1100, and DOT must have them by 1600.(KJOURNAL, 19513,1:w)	180
25	October - Friday	19
	ISIM = R. Iuorno = Interim Rpt, F30602=73=C=0001	198
28	October - Monday	20
29	October - Tuesday	21
	ISIS/M. Landes - Joint Configuration Mgt. Regulation	21a
	1300 hrs. Branch Chiefs Meeting	215
30	October - Wednesday	22
	Due Date - ISIS/DiNitto - Final Rpt. F30602-72-C-0467	22a
31	October - Thursday	23
	0830 hrs, Branch Chiefs Meeting	23a
	Frank Tomaini - Race Relations Class - 8:00 - 4:00	23b
	Laboratory Activity Reports due today: Bucciero must have them by 1000, ISM must have them by 1100, and DOT must have them by 1600.(KJOURNAL, 19513,1:w)	23c
	Form 2's (employee time expenditures) are due today,	23d

tickler for the month of October 1974

(J31292) 8-NOV-74 12:33;;; Title: Author(s): Roberta J.
Carrier/RJC; Distribution: /RJC([INFO=ONLY]) RBP([INFO=ONLY]);
Sub-Collections: NIC; Clerk: RJC;

Jean, we have thoroughly reviewed the problem and have not been able to uncover the system bug that we anticipated. We have compiled and run successfully the patterns you sent us with the exception of #2 (SINCE (30-OCT-74)) because ALL date patterns require a date AND time.

Problems we suspect are: that you had viewspec i on while compiling the pattern. Or that you level clipped the statements that met your pattern so they didn't print. We used the same viewspecs on your file and the exact patterns and they all worked when printed with the foreging exception. Perhaps you want statements with an id of JI, if so use an = instead # (which means not). Feed/jim

(J31293) 8=NOV=74 12:44;;; Title: Author(s): Special Jhb Feedback/FEED; Distribution: /JI([ACTION]] HGL([INFO=ONLY]] DSM([INFO=ONLY]) JDH([INFO=ONLY]); Sub=Collections: SRI=ARC; Clerk: FEED;

Could we change our wed meeting to Tues at 9AM? Our washington staff member that will be using the Net Directory will be here that day and it would be convenient to set things up at that time.

(J31294) 8-NOV-74 15:36;;; Title: Author(s): Barbara J, Ripple/BJR; Distribution: /MAP2([ACTION]) CAG2([INFO-ONLY]); Sub-Collections: NIC; Clerk: BJR;

[If already received please disregard * problems with journal]

1

Jim.

I have tried to use the user-progs: inmes, inseqh, and sendmes all with poor results. I tried to load them first without specifying the directory user-progs and that did not work, so, I loaded them with a link - which appeared to work. In every case, I got an undefined globals message when I attempted to run them. Could you indicate where I am googing up - the enclosed typescript will indicate an example of the proceedure and ensuing problem.

Thanks,....Jean

18

TELNET typescript file started at SUN 10 NOV 74 1506:50

10

enis

10

NLS=8

1 f

* C: Goto (subsystem) C: Programs OK:

1h

* C: Load C: Program T/[A]: (user=progs,inmes,)

11

* C: Load C: Program T/[A]: [user*progs,inmes,

1.j

Loading User Program*** Undefined Globals ***

11

1 m

TBUG 555523

1n

* C: Run C: program T/(A): inmes

1P

- C: Kun C: Program 1/1411 Immes

19

Insert MESSAGE file <HELP>MESSAGE.TXT at

15

JI 11=NOV=74 11:32 31295

User=Progs : NLS 8 Compatibility

ILLEGAL	INSTRUCTION 101 = 101	11
at	R1 = 1	iu
Illegal	instruction executed	1 V
R1/	101 = 101	1 w
R2/	[DSPGEN]STFRBE+401,,[INMES]TEST+1021 = 100700,,5607	27 1×
R3/	R0 = 0	14
5/	772702,,GSTACK+702 = 772702,,16412	12
M/	772702,,GSTACK+702 = 772702,,16412	1a0

User-progs : NLS 8 Compatibility

(J31295) 11=NOV=74 11:32;;; Title: Author(s): Jean Iseli/JI; Distribution: /FEEDBACK([ACTION]) JI([INFO=ONLY]); Sub=Collections: NIC FEEDBACK; Clerk: JI;

Running NLS7 programs in NLS 8 not possible

re Journal, 31295

Jean, None of the programs from old NLS will run in NLSS, although the modifications to run under NLSS have been subtle in some cases, We currently are in the process of transfering the developed equivalents from ARC to Office=1.

INMES is now MESSAGE, and attaches as a subsystem which you then Goto (after Load Program). Others will be in the form of subsystems in the near future. Of course, you can still run the old programs under NLS7. Feed/jim

Running NLS7 programs in NLS 8 not possible

(J31296) 11=NCV=74 20:07;;; Title: Author(s): Special Jhb Feedback/FEED; Distribution: /JI([ACTION]); Sub=Collections: SRI=ARC; Clerk: FEED;

Journal Item

Roger, I sent you the tickler for the month of October...did you receive it??? I have been having trouble receiving journal mail when signed in myself and sending myself a copy...please let me know...would appreciate...thanks...Bobbie

Journal Item

(J31311) 12=NOV=74 06:57;;; Title: Author(s): Roberta J. Carrier/RJC; Distribution: /RBP([ACTION]) RJC([INFO=ONLY]); Sub=Collections: NIC; Clerk: RJC;

Addition to System Reset for Delta Datas

An error put this Delta Data in Insert mode. Of course from then on System Reset on the LP blew it. It took Martin, Charles and I a few minutes to figure that out, but others may not be so lucky. Charles suggested that either Don or Dave alter the LP program so that Sys Reset takes Delta Datas out of Insert or Format mode, just in case.

Addition to System Reset for Delta Datas

(J31312) 12=NOV=74 15:53;;; Title: Author(s): N. Dean Meyer/NDM; Distribution: /JDH([ACTION]) DIA([ACTION]) FDBK([INFO=ONLY]) CHI([INFO=ONLY]); Sub=Collections: SRI=ARC; Clerk: NDM;

Meeting with Bob McCaully, Manager of FEC Computer Support for the Western Test Range

A NSW customer??

8-NOV-74 09:27 Meeting with FEC/ITT	1
ATTENDEES:	18
Bob McCaullyFEC	181
Frank Tomaini	1a2
John McNamara	183
Dick Nelson	1a4
Duane Stone	1a5
PURPOSE:	1 b
To explore the posibilities of conducting a test of modern programming practices within the Western Test Range (WTR) programming shops,	151
BACKGROUND:	10
The WTR at SAMSO, Vandenberg AFB CA, is responsible for conducting tests of AF missile systems. It has a large contractor, FECa subsidary of ITT, who actually operates the test range. There are some 21 different types of computers associated with radar, telemetry, data reduction, etc. Some mentioned were: 4 Sigma 2's, 2 Sigma 7's, 7044, 7094, 360-30, 360-65, and numerous 1218's, Novas, H-516's,	101
The portion of the organization's structure of interest in this discussion is:	102
RANGE COMMANDER	102a
	10281
	1c2a2
(RO) Range Operations	1c2a3
(RDK) Communications	1c2a3a
(ROI) ???	1c2a3b
(ROC) COMPUTERS,.,COL THAYER	102830
(ROCA) Application programs	1028301

Western Test Range

(ROCS) Systems Software

1c2a3c2

(ROCN) Procurement, etc

1c2a3c3

(ROCO) Operations

1c2a3c4

FEC has a total of 1500 employees, whose organizational structure parallels that of the WTR. The visitor, Bob McCaully supports Col. Theyer's organization and he sits at a similar level of responsibility. He has a total of 170 employees working for him, the majority of whom support ROCA.

103

The overhead, G&A and profit of the FEC is extremly low, with a total average of 25k for a senior programmer. (This is probably because the government furnishes their buildings, etc.) Bob has been there over 3 years and his organization has grown from 80 to the present 170, based (he says) on their performance. 40% of his organization has advanced degrees, so it appears not to be just another body shop.

1c3a

DISCUSSION:

10

The bulk of the current software is in FORTRAN and assembly language. It was developed on a somewhat individual and haphazard basis, with some of the principle code 13 years old. Due to a flood some years ago, which destroyed tape libraries, documentation etc, some of the programs exist only in object code.

1d1

There are two projects, however, which should bring some order out of this apparent chaos.

1d2

Metric Integrated Processing System (MIPS)

1d2a

This is a 4 year project, about 1 year old, which will consolidate all the data analysis and management information system data processing on the 360-65. currently is done on the 7094, 7044 and the 360-30. Bob has the responsibility for this effort.

1d2a1

Telemetry Information Processing System (TIPS)

1026

This project is just beginning. The finishing touches are being put on the contractual specifications. It contains some words about structured programming, but nothing specific or binding. It will replace all the

telemetry computers with a dozen Sigma 7-like machines and a couple of large Univac 1110-like machines.

1d2b1

Dick Nelson gave Bob a quick rundown on the areas that IBM is studying under the Structured Programming effort and the status of each, in terms of the principle findings, availablity of reports, etc.

1.43

Bob McCaully is ready, as a manager to try structured programming practices. He is convinced that it will help make him competitive in the business world. He is doing almost all his new coding in higher level languages. He has men working on error data collection procedures. He seemed extremely interested in obtaining the IBM reports and in participating in a long term experiment. There was a feeling on his part, however, that Col Thayer was somewhat naive concerning the costs and time necessary to prepare for a modern programming experiment.

184

The meaning of the word "experiment" was discussed at some length. He is in agreement with us that experiment has to mean equiping a team of programmers with a set of modern programming practices and TOOLS, and monitoring their experiences with them (as automatically as possible) in terms of productivity, errors and costs. Apparently Col Thayer has a somewhat different view of an experiment, namely a side=by-side comparitive experiment where one team has modern programming tools and one doesn*t, Our position is that this type of experiment is doubly expensive, and the data cannot be interpreted that precisly because it is impossible to control for all the extraneous variables. This does not mean that we should not document the conditions surrounding the test, but we cannot recommend this approach.

1d4a

The Fiscal year nature of moneys that Col Thayer has to put into such an effort may well dictate, to some extent, the approach we finally take. There is apparently some push to spend the money this year. An approach which would be responsive to these pressures, namely connecting to the ARPANET and/or the NSW, was not discussed,..but you can be sure I will bring it up!

1d5

ACTION ITEMS:

1e

Frank Tomaini -- Call Col Thayer, explain the substance of our conversations with Bob, and arrange for a meeting date out there.

101

pick Nelson Obtain copies reports and forward them	s of the currently available IBM to Bob.	102
???Prepare a test plan Thayer in about a month.	and briefing for presentation to Col	ie.
UNRESOLVED ITEMS:		11
Who is to be responsible	for the test plan preparation?	1f1

Meeting with Bob McCaully, Manager of FEC Computer Support for the Western Test Range

(J31314) 12-NOV-74 18:52;;;; Title: Author(s): Duane L. Stone/DLS; Distribution: /FJT([ACTION]) RN2([ACTION]) JLM([ACTION]) RWW([INFO-ONLY]) SDC2([INFO-ONLY]) WEC([INFO-ONLY]) LAC([INFO-ONLY]) EJK([INFO-ONLY]); Sub-Collections: RADC; Clerk: DLS;

AFDSDC NLS Course

To the students: This is an example of how the journal mail subsystem (Sendmail) passes messages. Be aware that this is still a dynamic document, and will be modified if necessary. Eventually, it will be expanded to become a course outline of what we covered in the sessions.

LAC 12=NOV=74 19:25 31315

AFDSDC NLS Course

	MONDAY, 11 NO	v 74	
	0730=0745	COURSE OVERVIEW	14
	0745=0815	ARPANET CONCEPTS	11
	0815=0845	TERMINAL USAGE AND TIP COMMANDS	10
	0900=1015	TENEX CONCEPTS AND COMMANDS	10
	1015=1030	REVIEW OF DAY 1	16
	TUESDAY, 12 NO	V 74	- 4
	0800=0845	REVIEW OF DAY 1, TENEX PRACTICE	24
	0845=0930	NLS EDITOR CONCEPTS	21
	0945=1045	TEXT VIEWING AND ENTRY	20
	1045=1100	REVIEW OF DAY 2	20
•	WEDNESDAY, 13	NOV 74	
1	0800=0815	REVIEW OF FIRST 2 DAYS	3 6
	0815=1000	TEXT EDITING AND CORRECTION	31
	1015=1045	READING JOURNAL MAIL	30
	1045=1100	REVIEW OF DAY 3	30
	THURSDAY, 14	NCV 74	
	0800-0830	REVIEW OF FIRST 3DAYS	4
	0830=0900	SENDING JOURNAL MAIL	41
	0900=0945	TECO, SNDMSG, READMAIL, RD,	40
	1000=1045	USEROPTIONS	40
	1045-1100	REVIEW OF DAY 4	46
	FRIDAY, 15 NO	V 74	
	0800-0830	REVIEW OF CONCEPTS	54

AFDSDC NLS Course

0830-0945 GUIDED PRACTICE EXERCISE IN EDITING AND THE USEROPTION SYSTEM	5 b
1000=1100 COURSE REVIEW	50
There will also be a series of weekly seminars held for approximately 2-3 months for these personnel. The primary goals of these seminars is to iron out any problems encountered and provide additional training in advanced NLS topics not covered in the basic course. A preliminary, and still incomplete, list of these topics includes:	6
the Output Processor (I expect to require two sessions on this)	6a
File Transfer Protocol	6b
Calculator Subsystem	60
Restricted TENEY Sections	64

AFDSDC NLS Course

(J31315) 12=NOV=74 19:25;;;; Title: Author(s): Lawrence A. Crain/LAC; Distribution: /LAC([ACTION]] JHB([INFO=ONLY]]); Sub=Collections: NIC; Clerk: LAC; Origin: < CRAIN, XPP=TRAINING=SCHEDULE.NLS;5, >, 12=NOV=74 19:18 LAC;;;

NONE

TITLE: TEST MESSAGE COMMENT: NONE AUTHOR (S): ELF NUMBER: 31316

DISTRIBUTE FOR ACTION TO: ELF DISTRIBUTE FOR INFO-ONLY TO: SUBCOLLECTION(S): KEYWORD(S): HANDLING INSTRUCTION: RECORDING INSTRUCTION: OFFLINE ITEM -- LUCATED AT: RFC NUMBER: OBSOLETES ITEM NUMBER(S): ACCESS STATUS: UPDATE TO ITEM NUMBER(S): INSERT LINK TO FOLLOW: FORWARD ITEM NUMBER: MESSAGE: HELLO THERE! BRANCH AT: PLEX AT: GROUP AT: FILE: SEND THE MAIL.

- < LAFORGE, 427M.NLS;3, >
- < LAFORGE, AKWNOTIONS.NLS:1, >
- < LAFORGE, BELL, NLS;1, >
- < LAFORGE, CARDS, NLS; 2, >
- < LAFORGE, CARDS.NLS;1, >
- < LAFORGE, COBRA, NLS; 4, >
- < LAFORGE, EFF=BRL, NLS;1, >
- < LAFORGE, EFF=NSRDC.NLS;1, >
- < LAFORGE, EFF=PDP10X.NLS;1, >
- < LAFORGE, EFF/PSO.NLS;2, >
- < LAFORGE, EFF/PSO.NLS:1, >
- < LAFORGE, ELF.NLS;4, >

2

4

5

9

10

11

12

- 1

13

	<	LAFORGE,	ELF, NLS;3, >	14
	<	LAFORGE,	MESSAGE, TXT; 1, >	15
	<	LAFORGE,	NSRDC, NLS;1, >	16
	<	LAFORGE,	PSO.NLS;2, >	17
	<	LAFORGE,	PSO.NLS;1, >	18
	<	LAFORGE,	PSODESC1, NLS;1, >	19
	<	LAFORGE,	SOPIDS1, NLS;1, >	20
	<	LAFORGE,	STNIC.NLS;1, >	21
	<	LAFORGE,	TENYEARS, NLS; 1, >	22
	<	LAFORGE,	TERMLOG, NLS; 1, >	23
	<	LAFORGE,	WWMCS, NLS; 1, >	24
1	(4	author)		25
	(journal)		26
		Card Ima	OV=74 09:08 31270 ages of the First 14 Questionaires h: (MJOURNAL, 31270, 1:w) e: [INFO=ONLY] *****	
				26a
		group	ents: Suggest that we devise some titlling convention for os of cards as we finish them and send them to the halor maybe we don't want to send the to the journal at	26a1
			DV=74 15:04 31252	

EJK 4=NOV=74 15:04 31252 Meeting on System analysis support contract Location: (MJOURNAL, 31252, 1:w) ****Note: [INFO=DNLY] *****

JHB 2=NOV=74 21:59 24391
New printer
Message: Congratulations on your new printer!! It was certainly needed. What kind is it?
*****Note: [INFO=ONLY] *****

26c

26b

DLS 1=NOV=74 13:32 31247 New Network Printer Location: (MJOURNAL, 31247, 1:w) *****Note: [ACTION] *****

26d

DLS 30=OCT=74 07:36 31235 File Locking Conflicts Location: (MJOURNAL, 31235, 1:w) *****Note: [INFO=ONLY] *****

26e

DLS 24-OCT-74 11:59 31199
Experiences in Preparing an Address List
Location: (MJOURNAL, 31199, 1:W)
*****Note: [INFO-ONLY] *****

261

(haveread) Journal items I have read

27

RJC 9=0CT=74 06:30 31143 AF 1152s

Message: Due Date = ISIM/ISIS = Request AF Forms 1152s for USC Term III, 28 Oct through 20 Dec 74, courses be submitted to this office by 15 Oct 74. Courses to be offered are:

SSM 531 - Man-Machine Factors in Systems Management SSM 510 - Aerospace Management Communication Theory The NEW Tuition Rate is \$291.00

27a

RJC 9-OCT-74 06:17 31142 DICTRAN Message: In regards to the DICTRAN Notice I sent previously, the date for the demo is 10 October...Bobbie

275

RJC 8-OCT-74 07:09 31135

PRESENTATION - DICTRAN

Message: NOTICE - Mr. William Wolf, President of Wolf Computer

Corp, will present DICTRAN - a new Word processing system which
enables man-machine communication using the spoken Word. "In a
Word processing environment, the programmer Would probably
communicate his program at a rate of 100 Words per minute or more,
using a standard kind of dictation machine or other Word
processing system." Briefing will be held at 0930 hrs. in Bldg.
3, Conference Room 1006, For further details, contact Michael
Landes, ISIS, X7546.

27c

	DLS 23=SEP=74 05:38 31089 Memo to maj Kellyadditional Core for TYMSHARE Location: (MJOURNAL, 31089, 1:W) ****Note: [INFO=ONLY] *****	
		270
	RJC 20=SEP=74 12:17 31087 DL Tech Review	
	Location: (MJOURNAL, 31087, 1:W)	276
	Comments: If you would like a hard copy, please let me know by way of sndmsgthere are ODP directives in the file if you would like some sort of format.	27e1
	RJC 20-SEP+74 11:27 31086 Revised Job Order Register for ISI Location: (MJOURNAL, 31086, 1:W)	
	acceptor (hosenna, street, real	271
	Comments: sharon	27£1
	RJC 20=SEP=74 08:18 31093 Tickler = Week of 23 Sept	
	Location: (MJOURNAL, 31083, 1:W)	279
	EJK 19=SEP=74 08:42 31075 Format for Task Writeups Location: (MJOURNAL, 31075, 1:W)	
	*****Note: [ACTION] *****	271
	RJC 17=SEP=74 06:04 31059 ISI Confessions	
	Message: As you probably know by now, ISI Confessions has been cancelled until 25 September.	
		271
(E	JK) 23-AUG-74 14:53 31024 C1ao. (MJOURNAL, 31024, 1:w)	28
(D)	RL2) 22=AUG=74 10:48 31018 TP012 (MJOURNAL, 31018, 1:w)	29
(D)	FB) 22-AUG-74 10:43 31017 TPO11	
	(MJOURNAL, 31017, 1:w)	30
CR	JC) 8-AUG-74 13:14 30990	31

Message: The system will be down all morning on 14 aug, wednesday for repairs,	314
Comments:duayna	310
(RJC) 8=AUG=74 08:35 30988 tickler (MJOURNAL, 30988, 1:w)	32
Comments:DONNA	326
(RJC) 8-AUG-74 08:26 30987 NEW PROCEDURES	3.
Message: Subj: Submission of Items for Weekly Lab Activity Report NEW PROCEDUREs: Just submit title of item and name of the responsible engineer to me on a buck slip NLT Wednesday of each week. This will then be coordinated with DoT/D. Craig, who, if the item is determined to be acceptable, will get together with the engineer to prepare a writeup. This item should still be coordinated with the respective branch chief.	334
Comments:DONNA	330
(RJC) 7-AUG-74 08:25 30978 5 -Aug 1974	34
Message: Subject: Management Assessment Review Schedule - In view of the new trial procedure for Management Assessment Reviews (MARS) (involving incorporation of Management Assessment Reports into the -Executive Management Review (EMR) and accomplishment of detailed reviews only for programs designated by the -Commander at the EMR), the MARS previously scheduled to be accomplished by IR, IS, and RB are cancelled,	34a
(RJC) 2=AUG=74 07:42 30962 =Tickler (MJOURNAL, 30962, 1:W)	35
(RJC) 25=JUL=74 06:50 30946 Farewell Luncheon	36
Message: Farewell luncheon for Major William Patterson on August 1 = Coalyard Charlies = 12:00 noon = \$3,50 includes everything = contact Henry Power or Ceil Friedman	36a
Comments:, DONNA	365
(RJC) 25-JUL=74 06:48 30945 Demonstration	37
Message: On 30 July 1974 at 0930 in the Display Facility, Bldg 3, there will be a demonstration of teletype corporation's model 40	

data terminal systems which consist of a display = 24 x 80 and high speed impact printer up to 314 lines per minutes. For

further information on the demonstration of the model 40 system, contact Frank Triolo X2242,	37a
Comments:DONNA	376
(RJC) 24-JUL=74 07:16 30942 tickler (MJOURNAL, 30942, 1:w)	38
(RJC) 22=JUL=74 07:10 30936 SPEAKER	39
Message: Dr. Pennington, SDC, 24 July = 0900 hrs. = Conf. Rm 1A Re: Software Productivity and Cost Estimation = Focal Point Robinson	39a
(RJC) 19-JUL-74 11:32 30934	40
Message: Dr. Pennington, SDC, 24 July - 0900 hrs Conf. Rm 1A Re: Software Productivity and Cost Estimation - Focal Point Robinson	40a
(RJC) 19-JUL-74 10:52 30933	41
Message: Dr. Pennington, SDC, 24 July = 0900 hrs. = Conf. Rm 1A Re: Software Productivity and Cost Estimation = Focal point Dick Robinson	41a
(RJC) 3=JUL=74 10:59 30914 Bridge Report (MJOURNAL, 30914, 1:w)	42
Comments: Ed, trying to get some stuff out of my directory as I am really getting loaded upsent a copy to myself too.	42a
(EJK) 2=JUL=74 10:41 30910 Computer Aided Instruction For NLS = (MJOURNAL, 30910, 1:w) Demonstration	43
(EJK) 26=JUN=74 13:47 30901 A pointer from your friendly AKW, (MJOURNAL, 30901, 1:w)	44
(RJC) 20=JUN=74 05:50 30893	45
Message: Wine and cheese party - Charlie Breece - \$2.50 per person - Display Facility - 1700 Hrs see Marilyn Rossi X7009, Tickets NLT 22 June.	45 a
Comments: 28 June	45b
(RJC) 13=JUN=74 11:07 30879 RADC Technology Plan Submission (MJOURNAL, 30879, 1:w)	46

	Comments: For further instructions, guidance or whatever, see Tom Bucciero!	46a
	(AAC) 10-JUN-74 08:21 30856 ed (MJOURNAL, 30856, 1:w)	47
	EJK 7-JUN-74 11:08 30854 Gov't property Misappropriation, Message: Who swiped my terminal?	
		48
	ELF 7-JUN-74 11:55 30855 defense mapping agency Location: (MJOURNAL, 30855, 1:W)	
	****Note: Author Copy****	49
	ELF 29=MAY=74 06:20 30822 bridge	
	Location: (MJOURNAL, 30822, 1:W) ****Note: Author Copy*****	50
)	RJC 22=MAY=74 08:46 30783	50
	MINIMIZE	
	Message: Due to MINIMIZE, before making Autovon or long distance calls, permission must be obtained from Branch Chief: Report to Becky for logging the call, after permission is granted. PLEASE COMPLY	
	COMPLI	51
	RJC 22=MAY=74 07:24 30782	
	FAREWELL PARTY - 5 JUNE 74 Message: SAY FAREWELL = 1800 = 2000 hrs, GAFB Officers Club s3,00 per person Stand-up Buffet Pay as you go Happy hour prices first	
	hour Tickets may be obtained by contacting M. Xobos by 31 May 74.	52
	RJC 22=MAY=74 07:16 30781	
	Tickler Location; (LJOURNAL, 30781, 1:W)	53
		23
	ELF 3-MAY-74 12:45 30636 Notes for Dan Richards through Dave Craig	
	Location: (LJOURNAL, 30636, 1:W)	

FEED 20-MAY-74 17:10 30773
Interaction of substitute and viewspecs.
Message: Ed, The substitute command is designed to be controlled by
the current viewspecs. This gives the user a powerful way to control
its effect. If you want to have it work on all of the entity
specified merely ensure that viewspec w is in force. See Section 5,
page 15 of the TNLS User's Guide, statement 10c. Copy to all RADC
because this is probably notcommon knowledge.
*****Note: for your info*****

55

JPC 16=MAY=74 12:29 30754 Thoughts on the PSO Location: (LJOURNAL, 30754, 1:w)

56

Comments: These are some quick impressions on what problems we have with the PSO and even some ideas for solving them (How about that?).

56a

AAC 16-MAY-74 08:09 30752 message Location: (LJOURNAL, 30752, 1:w)

57

AAC 16-MAY=74 07:45 30751 Info Location: (LJOURNAL, 30751, 1:w)

58

AAC 16=MAY=74 07:35 30750 message Location: (LJOURNAL, 30750, 1:W)

59

RJC 13-MAY=74 11:20 30730

Movie

Message: OPSEC Film = 1:30 = Tuesday = Conference Room, Those who didn't attend should!

60

AAM 13=MAY=74 06:46 30729 Scheduled Software Maintenance Location: (LJOURNAL, 30729, 1:w)

61

FJT 9=MAY=74 05:08 30718 Two tickler items Message: In regards to two particular items sent to you by way of

journal message, 1) AF Form 1152 are due for Grant Strength is 10 Maysorry about	
	0.2
FJT 8=MAY=74 11:52 30713 symposium	
Location: (LJOURNAL, 30713, 1:w)	63
RJC	64
8=MAY=74	65
10:29 30712	
International Conference Message: 1975 International Conference on held 22-25 April 1975 - CALL FOR PAPERS - July - Expect minimum of two (2) papers i Col Thayer.	Abstract Deadline of 15
	66
RJC 8=MAY=74 10:21 30711 1152s	
Message: Due Date = AF Form 1152s for Sum Submitted to ISM NLT by today.	mer Term MVCC Courses
RJC 8=MAY=74 10:19 30710 luncheon	
Message: Luncheon for -Grant Strength - H 83,00 - Contact Marilyn Rossi or Dick Van	oliday Inn = 1200 hrs. = Dresar by Noon = 9 May 74.
RJC 8-MAY=74 09:09 30709 Luncheon	
Location: (LJOURNAL, 30709, 1:w)	69
EJK 3-MAY=74 12:33 30635 One of the formats we have in the system	for use on=line.
Location: (LJOURNAL, 30635, 1:w)	
*****Note: This is the one Al was talking	70
AAC 3-MAY=74 11:17 30634	
Opsec Location: (LJOURNAL, 30634, 1:w)	
reserved (negovier) assaultie)	71

RJC 2=MAY=74 11:55 30622
PSO Office Concerning Absences for Friday = 3 May 74
Message: This concerns the PSO office...Just for your own
information, Duayna will be out all day tomorrow (Friday) and I plan
on taking the whole afternoon off unless it rains...Bobbie

72

AAM 16-NOV-1858 16:25 30610 Scheduled Software Maintenance Location: (LJOURNAL, 30610, 1:w)

73

EJK 30=APR=74 10:05 30587 Viewspecs and 'Substitute' interaction, Message: I just found, the hard way, that there is an interaction between viewspecs and the substitute command. In trying to substitute i.e. for ie. I got nowhere until viewspec w was used to replace x. Is this the way it is supposed to work or is this an accident? If this is the way it is supposed to work = WHY???

74

RJC 29=APR=74 07:36 30576 Tickler Item Message: Form 2's (employee time expenditures) are due today.

75

RJC 25=APR=74 07:45 30554
message
Message; On Thursday, April 25, 1974, Congressman Mitchell will be
speaking on recent legislation of interest to engineers. A question
and answer period will follow his talk. This will be at Trinkaus
Manor at 8 PM, sponsored by ASME. All interested are welcomed. A
dinner is available at 7 PM at 54.25. For further information please
contact Mr. Dick White, ext. 2151.

76

RJC 25=APR=74 07:40 30553 tickler for the week of 29 Apr Location: (LJOURNAL, 30553, 1:w)

77

AAC 24=APR=74 13:20 30547 Tardiness Location: (LJCURNAL, 30547, 1:w)

78

AAC 24=APR=74 07:45 30539 report

Location: (LJOURNAL, 30539, 1:w)	79
RJC 22=APR=74 12:18 30512 ATTENTION ALL PERSONNEL Message: ISI Confessions 0830 hrs.	80
RJC 22=APR=74 12:12 30510 ATTENTION ALL PERSONNEL Message: Training on Maintaining R&D Case Files = 1330 hrs. = Conference Room 1 = MANDATORY that all Administrative personnel and engineering personnel who are involved in R&D projects attend.	81
RJC 11-APR-74 07:25 30450 Tickler for Week of 15 April 1974 Location: (JJCURNAL, 30450, 1:w)	82
Comments: oMain Concern for next week is ISI Confessions!	82a
(EJK) 8-APR-74 15:15 30436 Outline for a Form 77 if you need one. (JJOURNAL, 30436, 1:w)	83
(RBP) 8-APR-74 06:52 30428 5 April Meeting with Comm on AKW (JJOURNAL, 30428, 1:w)	84
Comments: This was the action I had to take as a result of our 3April meeting.	84a
(JLM) 4-APR-74 10:14 30407 isteffnotes/4 April (JJOURNAL, 30407, 1:w)	85
(AAM) 4-APR-74 08:01 30406 Scheduled Software Maintenance	86
Message: This is a reminder that Network Software Maintenance is scheduled between the hours of 0700 and 0900 (Eastern Time) on Tuesday, 9 April 1974, Although software releases are checked out as much as possible in the BBN test cell, there are sometimes problems of scale which are not detected until after a release; hence there is a small but finite possibility that the software will be troublesome for a few hours after the scheduled release, Sincerely,	
Alex McKenzie (for the Network Control Center)	86a
(EJK) 2=APR=74 14:38 30390 Meeting Notes = Today (JJOURNAL, 30390, 1:w)	87

(RJC) 2-APR-74 07:53 30380 Tickler for Week of 1 Apr - 5 Apr 74 (JJOURNAL, 30380, 1:w)	88
(RJC) 28-MAR-74 07:16 30320 Tickler for week of 1 April (JJOURNAL, 30320, 1:w)	89
(AAM) 28-MAR=74 07:10 30319 Scheduled Software Maintenance (JJOURNAL, 30319, 1:w)	90
(AAM) 21=MAR=74 05:53 30263 Scheduled Software Maintenance	91
Message: This is a reminder that Network Software Maintenance is scheduled between the hours of 0700 and 0900 (Eastern Time) on Tuesday, 26 March 1974. Although software releases are checked out as much as possible in the BBN test cell, there are sometimes problems of scale which are not detected until after a release; hence there is a small but finite possibility that the software will be troublesome for a few hours after the scheduled release. Sincerely,	
Alex McKenzie (for the Network Control Center)	91a
(AAC) 19=MAR=74 13:22 30252 Standard Formats For Commander (JJOURNAL, 30252, 1:w)	92
Comments: For your information. Suggest you use the command Print Plex .1 with View specs xm for an outline.	92a
(EJK) 14=MAR=74 15:11 30227 this is the title	93
Message: This is a test of an idiotic way of entering a message to the journal.	93a
Comments: No comment	93b
(EJK) 14-MAR-74 14:45 30225 test of co form	94
Message: We're testing command form and delivery to you thanks.	94a
Comments: No comment	946
EJK 21=MAY=74 13:25 30777 Job Assignments, short term. Location: (LJOURNAL, 30777, 1:w)	95
Comments: Correlate these with (mcnamara, staffmeet, 4)	95a
RJC 5=AUG=74 06:57 30965	

Message: From now on, all work will be done in Bobbie's directory and later (when the work is completed), be transferred into your directories. This is upon the request of Roger Panara,	
	96
Comments: Sharon	966
(Forms)	97
DLS 2=FEB=74 09:48 30038	
PROPOSED TRAVEL REQUEST Location: (GJOURNAL, 30038, 1:w)	
	978
Comments: Create a file and call it Travel, Trip, etc. Copy plex 1 of the file in the above link to the newley created file. Instructions on how to fill out the file are contained in it, when finished, update your travel file and notify Bobbie that its done. Give her the file name. Do not delete	
the file, since it will be used to prepare your trip report when you return.	97a1
(mess) messages saved from sndmsg subsystem	98
(feb) type = gpginmes <cr> then = gpeinmes<cr> then = <cr> then ,feb<cr> Then = d<cr></cr></cr></cr></cr></cr>	986
29-JAN-74 1422-PST KENNEDY: confessions cc: cavano, panara, stone Received 29-JAN-74 14:22:49	98a1
ISI is up 30 Jen at 0830	98a1a
31-JAN-74 0701-PST CARRIER: Testing TXT file addresses cc: Thayer, Barnum, DeConde, Tomaini, Buccerio, Carrier, McNamara,	
Received 31-JAN-74 07:01:15	98a2
Rzepka, Wingfield, Bergstrom, Daughtry, VanAlstine, Cafarelli = = = This message was sent to everyone in the Di using NLS by use of the TXT file ALLIf you would like to know how to do thissndmsg to groups of people with out typing in their names everytimesee me. BOBBIE	98a2a
31-JAN-74 0744-PST TOMAINI: test cc: Thayer, Barnum, DeConde, Tomaini, Carrier, Buccerio, McNamara,	
Descriped 21-12N-74 07:44:12	0000

LaMonica, Rzepka, VanAlstine, bergstrom, Wingfield, Daughtry = = = Yes, I know Bucciero's name is spelled wrong, but that was how his directory name went in and for the time being we will have to send him messages, etc. with the spelling Buccerio...Bobbie

98a3a

5-FEB-74 0645-PST CARRIER: Tickler of 4 Feb = 8 Feb cc: Thayer, Barnum, DeConde, Tomaini, Buccerio, Carrier, McNamara,

Received 5=FEB=74 06:45:40

9884

Rzepka, Wingfield, Bergstrom, Daughtry, VanAlstine, Cafarelli = = = 4 February = Monday 0830 hrs. Branch Chief's Meeting Due Date ISIS - Prepare Proposed Data Exchange annex (DEA) memo of understanding paper (Route through ISM) Due Date = ISIM/Liuzzi/Wingfield = Draft AFROTC RUC for a Mgt Info System/Decision Model = completed 5 February - Tuesday 6 February - Wednesday ISC Confessions 0830 hrs. 1330 hrs. - Tom Bucciero's IR&D Program Briefing to Division RCA presentation on Communications R&D == A=119 = Bldg. 106 = 9:00 to 12:00 7 February - Thursday 0830 hrs. Branch Chief's Meeting Laboratory Activity Reports due today: Bucciero must have them by 1000, ISM must have them by 1100, and DOT must have them by 1600. Due Date - ISI/Tom Bucciero -Requirements for RADC Technical Reports Automata Data 8 February - Friday Bobbie: Travel figures due by noon. Information Sciences Division ToDAY scheduled for briefings/tours which best describe their capabilities/activity for the new Commander, Col Giesy. Due Date ISIM/ISIM - Technical Achievement Award submissions Incentive Award submissions due to ISM

98848

(J31316
) 13=NOV=74 06:47;;;; Title: Author(s): Edward F, LaForge/ELF;
Distribution: /ELF([ACTION]); Sub=Collections: RADC; Clerk: ELF;

Tickler for November

- November = Friday
 News Brief items due into Becky Today.(KJOURNAL, 19533, 1:w)
 Frank Tomaini = Race Relations Class = 8:00 = 4:00
 Bobbie: Personnel Strength Rpt. due.
- 4 November Monday
 Office Space Meeting 1300 hrs. FJT
- 5 November Tuesday

 1300 hrs, Branch Chiefs Meeting

 Due Date Bergstrom Negative Interim Rpt/inc F30602=73=C=0165

 Due Date Iuorno Negative Interim Rpt/inc F30602=73=C=0001
- 6 November = Wednesday

 ISF Confessions = 0830 hrs.

 ESD Tech Needs (TN's) = ISIM/Iuorno
- 7 November Thursday
 0830 hrs. Branch Chiefs Meeting
 Laboratory Activity Reports due today: Bucciero must have them by
 1000, ISM must have them by 1100, and DOT must have them by
 1600.(KJOURNAL, 19513,1:w)
- 8 November Friday

 ISIS/D, Mark Final Rept, Vol.V F30602 74-C-0186-Completed

 Timecards due today
- 11 November Monday

 Update <TOMAINI>VGRAPH for confessions

 12 November Tuesday
- 1300 hrs. Branch Chiefs Meeting

Due Date - ISIM/ISIS - AF1152s Submission by today for Winter Term MVCC courses

13 November - Wednesday

Due Date - ISIM/J. Mac - Skeletal 1634s required for DMAAC FY=76

ISI Confessions - 0830 hrs.

14 November - Thursday
0830 hrs, Branch Chiefs Meeting
Laboratory Activity Reports due today: Bucciero must have them by
1000, ISM must have them by 1100, and DOT must have them by
1600.(KJOURNAL, 19513,1:w)

Due Date - ISIS/Slavinski - Eval of Perspective Sources

R & T selection of the Month is due in ISI, (KJDURNAL, 19531, 1:w)

18 November = Monday

Kennedy = Race Relations 18=19 Nov

19 November - Tuesday
1300 hrs. Branch Chiefs Meeting

20 November - Wednesday

15 November - Friday

Due Date = ISIS/Palaimo = Eval of Perspective Sources PR=B=3262

Due Date = ISIS/R, Slavinski = Evaluation of perspective Sources = PR=B=5=3245

ISM Confessions

ISIS/R. Nelson Eval of proposals for Joint Services
Electronics Program

Due Date - ISIS/D. Mark - Final Rpt Vol IX - Cont F30602=74=C=0186

- 21 November Thursday

 0830 hrs. Branch Chiefs Meeting

 Laboratory Activity Reports due today: Bucciero must have them by

 1000, ISM must have them by 1100, and DOT must have them by

 1600.(KJOURNAL, 19513,1:w)
- 22 November Friday
 Timecards due today
- 25 November Monday
- 26 November Tuesday
 1300 hrs. Branch Chiefs Meeting
- 27 November Wednesday

 ISC Confessions 0830 hrs.
- 28 November Thursday

 0830 hrs. Branch Chiefs Meeting

 Laboratory Activity Reports due today: Bucciero must have them by

 1000, ISM must have them by 1100, and DOT must have them by

 1600.(KJOURNAL, 19513,1:w)
- 29 November Friday

 Due Date ISI/Tom Determination of Job Order Cat, 2 vs. Cat. 3

 (JOCAS)

 Form 2°s (employee time expenditures) are due today.

Tickler for November

(J31317) 13=NOV=74 05:55;;; Title: Author(s): Roberta J.
Carrier/RJC; Distribution: /RJC((ACTION]) DRL2([INFO=ONLY]);
Sub=Collections: NIC; Clerk; RJC; Origin; < CARRIER,
TICKLER.NLS;5, >, 12=NOV=74 08:29 RJC;;;;<CARRIER>TICKLER.NLS;4,
25=SEP=74 13:37 RJC; ####;

- News Brief items due into Becky Today.(KJOURNAL, 19533, 1:w)
 Frank Tomaini = Race Relations Class = 8:00 = 4:00
 Bobbie: Personnel Strength Rpt. due.
- 4 November Monday

 Office Space Meeting 1300 hrs. FJT
- 5 November Tuesday

 1300 hrs. Branch Chiefs Meeting

 Due Date Bergstrom Negative Interim Rpt/inc F30602=73=C=0165

 Due Date Iuorno Negative Interim Rpt/inc F30602=73=C=0001
- 6 November Wednesday

 ISF Confessions 0830 hrs.

 ESD Tech Needs (TN's) ISIM/IUOTNO
- 7 November Thursday
 0830 hrs. Branch Chiefs Meeting
 Laboratory Activity Reports due today: Bucciero must have them by
 1000, ISM must have them by 1100, and DOT must have them by
 1600.(KJOURNAL, 19513,1:w)
- 8 November Friday

 ISIS/D. Mark Final Rept. Vol.V F30602 74-C-0186-Completed

 Timecards due today
- 11 November Monday
 Update <TOMAINI>VGRAPH for confessions
- 12 November = Tuesday
 1300 hrs. Branch Chiefs Meeting

Due Date = ISIM/ISIS = AF1152s Submission by today for Winter Term MVCC courses

- 13 November = Wednesday

 Due Date = ISIM/J, Mac = Skeletal 1634s required for DMAAC FY=76

 ISI Confessions = 0830 hrs.
- 14 November * Thursday

 0830 hrs, Branch Chiefs Meeting

 Laboratory Activity Reports due today: Bucciero must have them by

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 Due Date * ISIS/Slavinski * Eval of Perspective Sources
- 15 November Friday

R & T Selection of the Month is due in ISI, (KJOURNAL, 19531, 1:w)

- 18 November = Monday

 Kennedy = Race Relations 18=19 Nov
- 19 November Tuesday
 1300 hrs. Branch Chiefs Meeting
- 20 November Wednesday

 Due Date ISIS/Palaimo Eval of Perspective Sources PR=B=3262

Due Date - ISIS/R, Slavinski - Evaluation of Perspective Sources -

PR=B=5=3245

ISM Confessions

ISIS/R. Nelson Eval of proposals for Joint Services

Electronics Program

Due Date = ISIS/D. Mark = Final Rpt Vol IX = Cont F30602=74=C=0186

- 21 November Thursday
 0830 hrs. Branch Chiefs Meeting
 Laboratory Activity Reports due today: Bucciero must have them by
 1000, ISM must have them by 1100, and DOT must have them by
 1600.(KJOURNAL, 19513,1:w)
- 22 November Friday
 Timecards due today
- 25 November Monday
- 26 November Tuesday 1300 hrs. Branch Chiefs Meeting
- 27 November Wednesday

 ISC Confessions 0830 hrs.
- 28 November Thursday

 0830 hrs, Branch Chiefs Meeting

 Laboratory Activity Reports due today: Bucciero must have them by

 1000, ISM must have them by 1100, and DOT must have them by

 1600.(KJOURNAL, 19513,1:w)
- 29 November Friday

 Due Date ISI/Tom Determination of Job Order Cat. 2 vs. Cat. 3

 (JOCAS)

 Form 2°s (employee time expenditures) are due today.

tickler

(J31318) 13=NOV=74 05:58;;; Title: Author(s): Roberta J.
Carrier/RJC; Distribution: /RJC([INFO=ONLY]); Sub=Collections:
NIC; Clerk: RJC; Origin: < CARRIER, TICKLER.NLS;5, >, 12=NOV=74
08:29 RJC;;;;<CARRIER>TICKLER.NLS;4, 25=SEP=74 13:37 RJC; ####;

- 1 November Friday
 News Brief items due into Becky Today. (KJOURNAL, 19533, 1:w)
 Frank Tomaini Race Relations Class 8:00 4:00
 Bobbie: Personnel Strength Rpt, due.
- 4 November Monday

 Office Space Meeting 1300 hrs. FJT
- 5 November Tuesday

 1300 hrs. Branch Chiefs Meeting

 Due Date Bergstrom Negative Interim Rpt/inc F30602=73=C=0165

 Due Date Iuorno Negative Interim Rpt/inc F30602=73=C=0001
- 6 November Wednesday

 ISF Confessions 0830 hrs.

 ESD Tech Needs (TN*s) ISIM/Iuorno
- 7 November Thursday
 0830 hrs. Branch Chiefs Meeting
 Laboratory Activity Reports due today: Bucciero must have them by
 1000, ISM must have them by 1100, and DOT must have them by
 1600.(KJOURNAL, 19513.1:w)
- 8 November = Friday

 ISIS/D, Mark = Final Rept. Vol.V = F30602 = 74=C=0186=Completed

 Timecards due today
- 11 November = Monday

 Update <TOMAINI>VGRAPH for confessions

 12 November = Tuesday
- 1300 hrs. Branch Chiefs Meeting

Due Date = ISIM/ISIS = AF1152s Submission by today for Winter Term MVCC courses

13 November - Wednesday

Due Date - ISIM/J, Mac - Skeletal 1634s required for DMAAC FY=76

ISI Confessions - 0830 hrs.

14 November = Thursday

0830 hrs, Branch Chiefs Meeting

Laboratory Activity Reports due today: Bucciero must have them by

1000, ISM must have them by 1100, and DOT must have them by

1600,(KJDURNAL, 19513,1:w)

Due Date = ISIS/Slavinski = Eval of Perspective Sources

15 November = Friday

R & T Selection of the Month is due in ISI, (KJOURNAL, 19531, 1:w)

18 November = Monday

Kennedy = Race Relations 18=19 Nov

19 November - Tuesday
1300 hrs. Branch Chiefs Meeting

20 November = Wednesday

Due Date = ISIS/Palaimo = Eval of Perspective Sources PR=B=3262

Due Date = ISIS/R, Slavinski = Evaluation of Perspective Sources = PR=B=5=3245

ISM Confessions

ISIS/R, Nelson Eval of proposals for Joint Services Electronics program

Due Date = ISIS/D, Mark = Final Rpt Vol IX = Cont F30602=74=C=0186

- 21 November Thursday

 0830 hrs. Branch Chiefs Meeting

 Laboratory Activity Reports due today: Bucciero must have them by

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- 22 November Friday Timecards due today
- 25 November Monday
- 26 November Tuesday 1300 hrs. Branch Chiefs Meeting
- 27 November = Wednesday

 ISC Confessions = 0830 hrs.
- 28 November Thursday

 0830 hrs. Branch Chiefs Meeting

 Laboratory Activity Reports due today: Bucciero must have them by

 1000, ISM must have them by 1100, and DOT must have them by

 1600.(KJOURNAL, 19513,1:w)
- 29 November = Friday

 Due Date = ISI/Tom = Determination of Job Order Cat. 2 vs. Cat. 3

 (JOCAS)

 Form 2*s (employee time expenditures) are due today.

tick

(J31319) 13=NOV=74 06:00;;; Title: Author(s): Roberta J, Carrier/RJC; Distribution: /RJC([INFO=ONLY]); Sub=Collections: NIC; Clerk: RJC; Origin: < CARRIER, TICKLER.NLS;5, >, 12=NOV=74 08:29 RJC;;;<CARRIER>TICKLER.NLS;4, 25=SEP=74 13:37 RJC; ####; association meeting

the association will meet at 3:00 p.m. today to vote on excluding mr. cavano from future meetings because of his consistent behavior in not ppicking any winners, please be present.

association meeting

(J31321) 13-NOV-74 06:04;;; Title: Author(s): Roger B. Panara/RBP; Distribution: /RAL([ACTION]) JPC([INFO-ONLY]); Sub-Collections: RADC; Clerk: RBP;

tickler

Just practice

- 1 November = Friday
 News Brief items due into Becky Today.(KJOURNAL, 19533, 1:w)
 Frank Tomaini = Race Relations Class = 8:00 = 4:00
 Bobbie: Personnel Strength Rpt. due.
- 4 November = Monday
 Office Space Meeting = 1300 hrs. = FJT
- 5 November Tuesday

 1300 hrs. Branch Chiefs Meeting

 Due Date Bergstrom Negative Interim Rpt/inc F30602-73-C-0165

 Due Date Iuorno Negative Interim Rpt/inc F30602-73-C-0001
- 6 November Wednesday

 ISF Confessions 0830 hrs.

 ESD Tech Needs (TN's) ISIM/IUOTNO
- 7 November Thursday
 0830 hrs. Branch Chiefs Meeting
 Laboratory Activity Reports due today: Bucciero must have them by
 1000, ISM must have them by 1100, and DOT must have them by
 1600.(KJDURNAL, 19513,1:w)
- 8 November Friday

 ISIS/D. Mark Final Rept. Vol.V F30602 74-C-0186-Completed

 Timecards due today
- 11 November Monday

 Update <TOMAINI>VGRAPH for confessions
- 12 November = Tuesday
 1300 hrs. Branch Chiefs Meeting

Due Date = ISIM/ISIS = AF1152s Submission by today for Winter Term
MVCC courses

13 November - Wednesday

Due Date - ISIM/J, Mac - Skeletal 1634s required for DMAAC FY=76

ISI Confessions - 0830 hrs.

14 November - Thursday
0830 hrs, Branch Chiefs Meeting
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1000, ISM must have them by 1100, and DOT must have them by
1600.(KJOURNAL, 19513,1:W)

Due Date - ISIS/Slavinski - Eval of Perspective Sources

R & T Selection of the Month is due in ISI. (KJOURNAL, 19531, 1:w)

18 November - Monday

Kennedy - Race Relations 18=19 Nov

19 November - Tuesday
1300 hrs. Branch Chiefs Meeting

20 November - Wednesday

15 November - Friday

Due Date = ISIS/Palaimo = Eval of Perspective Sources PR=B=3262

Due Date = ISIS/R, Slavinski = Evaluation of Perspective Sources = PR=B=5=3245

ISM Confessions

ISIS/R. Nelson Eval of proposals for Joint Services Electronics program

Due Date - ISIS/D. Mark - Final Rpt Vol IX - Cont F30602-74-C-0186

tickler

- 21 November Thursday

 0830 hrs. Branch Chiefs Meeting

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 1000, ISM must have them by 1100, and DOT must have them by

 1600.(KJOURNAL, 19513,1:w)
- 22 November Friday
 Timecards due today
- 25 November Monday
- 26 November Tuesday 1300 hrs. Branch Chiefs Meeting
- 27 November Wednesday

 ISC Confessions 0830 hrs.
- 28 November Thursday

 0830 hrs, Branch Chiefs Meeting

 Laboratory Activity Reports due today: Bucciero must have them by

 1000, ISM must have them by 1100, and DOT must have them by

 1600.(KJOURNAL, 19513,1:w)
- 29 November Friday

 Due Date ISI/Tom Determination of Job Order Cat. 2 vs. Cat. 3

 (JOCAS)

 Form 2's (employee time expenditures) are due today.

tickler

(J31322) 13=NCV=74 06:04;;;; Title: Author(s): Roberta J.
Carrier/RJC; Distribution: /TJB2([ACTION]] RJC([INFO=ONLY]];
Sub-Collections: NIC; Clerk: RJC; Origin: < CARRIER,
TICKLER.NLS;5, >, 12=NOV=74 08:29 RJC;;;<CARRIER>TICKLER.NLS;4,
25=SEP=74 13:37 RJC; ####;