

Debugger, Error System, and Unwinder test report

This report is for tests written and executed up to March 24, 1987 on the <Lyric>Basics>Full.Sysout generated 11-Mar-87.

The following tests are for the integration of the new error system into the Interlisp environment.

The source for this report is {Erinyes}<Test>Lisp>Lyric>Plans>Debugger.NoteFile

The print version of this test report is filed at {Eris}<Lispcore>Test>Debugger>Report.IP

The test plan is filed at {Erinyes}<Test>Lisp>Lyric>Plans>Debugger.NoteFile and IP.

Groups of tests were written and executed on the 1109 for all the commands in the Debugger document in the Xerox Common Lisp implementation notes.

These are stored on {eris}<Lispcore>Test>Debugger>BreakWindow.u

Groups of tests were written and executed on the 1109 for most of the functions in IRM chapter 15: Breaking, Tracing, and Advising.

These are mostly automatic tests but some require user interaction. They are stored in {Eris}<Lispcore>Test>Debugger>Debugger.u

For tests of the Xerox extensions to the CML error system, see {Eris}<Lispcore>cml>test>24-*. {Eris}<Lispcore>cml>test>cl-error.x and {Eris}<Lispcore>cml>test>errorsystem.notefile which is the source for {Eris}<Lispcore>cml>test>24-errorsystem.x.

Regression Test for ARS

ARS tested 21-Jan-87 <Lyric>basics>full.sysout

7152 passed
7780 new
7797 new
6503 passed

New ARs generated

Several problems were discovered and reported as ARs. Each of these have tests. The following are only new ARs generated up to February 28.

DEBUGGER.NEWARS

7486 debugger "eval:" undocumented

7522 missing second param causes random error reporting

7601 unnamed proceed cases break compute-proceed-cases

7679 Version .01 Error System documentation edits

7780 argument names of broken fns unbound in debugger

7797 breaking/tracing advised fns does not update brokenfns

7845 exec il:settopval il:helpflag serious-condition attempt-to-change-constant

7848 (IL:NLSETQ (CL:SIGNAL 'ERROR)) breaks

7868 bad package fix readtable change screws up fix

7873: Common functions should be safe to break

AR 7923 il:brkinfolst no longer exists

AR 7908 untrace also unbreaks

AR 7919 TRACE no longer works for undefined subfunctions

AR 7932: (unbreak (sub-fn in super-fn)) has two problems

Original List of ARs

ERRORSYSTEM.ARSUMMARY

AR Summary generated on 17-Feb-87 10:33:56

Generated with Query Spec: (AND (Submitter: HAS Kelley))

Sorted with Sort Spec: (Status:)

Numbe	Date:	System:	Subsystem:	Status:	Attn:	Subject:	Priority:	Difficulty	Impact:
6787	4-Nov-86	Common Lisp	File System In	New	Jellinek.pa	CL:OPEN says FILE NOT FOUND for BUSY FILE			
6810	5-Nov-86	Common Lisp	Streams and I/	New	Jellinek	make-synonym-stream core file read fails		Absolutely	
6847	10-Nov-86	Common Lisp	Other	New	vanMelle, W	Making straight common-lisp text files using SEdit		Unlikely	
6987	2-Dec-86	Common Lisp	Streams and I/	New	Jellinek	make-broadcast-stream should check for list arg			
7033	9-Dec-86	Programming En	Code Editor	New	Wozencraft	SEdit global replace breaks			
7067	15-Dec-86	Common Lisp	Streams and I/	New	Jellinek	force-output should flush pages buffered in vmem			
7118	29-Dec-86	Programming En	Code Editor	New	woz	Sizing to fit SEdit window region length		Perhaps	
7168	8-Jan-87	Common Lisp	Other	New		Portable DO-TEST needs expect-errors			
7268	19-Jan-87	Language Suppo	Storage Format	New	vanmelle	SPELLFILE should use FILEDATES prop, but doesn't			
7308	21-Jan-87	Programming En	Break Package	New	Daniels	CL:READ should be in the list of break warning fns			
7436	4-Feb-87	Communications	Other	New	LispCore↑.p	Constant requests for passwords			
7439	4-Feb-87	Common Lisp	Error System	New	Biggs, Dani	Error system documentation needs re-writing			
7448	4-Feb-87	Programming En	Code Editor	New	Wozencraft,	SEdit loses edits of whole lists			
7451	4-Feb-87		New	Fischer	Old-Interlisp-Exec comes up in current pkg&rdtbl				
7486	5-Feb-87	Programming En	Break Package	New	Daniels	debugger "eval:" undocumented			
7522	6-Feb-87		New	Daniels	CERROR missing second param causes random error reporting				
7601	10-Feb-87	Common Lisp	Error System	New	Daniels	unnamed proceed cases break compute-proceed-cases			
7679	12-Feb-87	Common Lisp	Error System	New	Daniels,Big	Version .01 Error System documentation edits			
7680	12-Feb-87	Documentation	Product Descr/	New	Biggs	WHO-LINE mention missing from overview			
7681	12-Feb-87	Text	TEDIT	New	Syabalsky, S	TEDIT not calling EDITBM ?			
7686	12-Feb-87	Documentation	Interlisp Refe	New	Biggs,Sybal	IL => CL function map needed			
7687	12-Feb-87	Programming En	Code Editor	New	Wozencraft	SEdit should reflect a change in readtable			
7696	12-Feb-87	Programming En	Code Editor	New	SeditSuppor	SEdit quits refreshing after soft stack overflow			
5717	27-May-86	Windows and Gr	Window System	Open	Wozencraft.	ATTACHWINDOW JUSTIFY should work for thin			
6789	4-Nov-86	Common Lisp	Streams and I/	Open	Jellinek.pa	make-concatenated-stream core file problem			
6919	18-Nov-86		Open	Jellinek	SETFILEINFO does not take FileName in all cases			Unlikely	
4847	5-Dec-85	Communications	Other	Fixed		FileCache breaks when running init.firsttime		Hopefully	
7098	22-Dec-86	Common Lisp	Streams and I/	Fixed		make-string-input-stream breaks on printed double			
4890	10-Dec-85	Operating Syst	Virtual Memory	Declined		Changing CPE and memory boards gives MP9335			
6797	4-Nov-86		Declined			KEYACTION does not work for MOVE.			
6799	5-Nov-86	Common Lisp	Streams and I/	Declined	Jellinek	make-string-input-stream calls OPENSTRINGSTREAM			
7529	9-Feb-87	Language Suppo	Stack and Inte	Incomplete		il: fetch dwimification problems			

DEBUGGER.ARSUMMARY

AR Summary generated on 16-Feb-87 16:23:08

Generated with Query Spec: (AND (Subsystem: IS Break Package))

Sorted with Sort Spec: (Status:)

Numbe	Date:	System:	Subsystem:	Status:	Attn:	Subject:	Priority:	Difficulty	Impact:
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6851	10-Nov-86	Programming En	Break Package	New	masinter	If a u.d.f. has a functions definition, want the d	
	Absolutely		Feature			efinition to be unsaved, ala Interlisp-D environme	
	23:07:31	vironment					
6981	1-Dec-86	Programming En	Break Package	New	Fischer.PA	Trace Window Overflow	Hopefully
	Annoying Bug						
	08:56:50	vironment					
6993	3-Dec-86	Programming En	Break Package	New	daniels	Bug in debugger: Buttoning "display edit" from the	
	Hopefully Moderate Annoying Bug					frame window edits the function cell	
	15:57:33	vironment				jellinek, d Want -> = commands for debugger	Unlikely
7016	6-Dec-86	Programming En	Break Package	New			
	Serious Design - Impl						
	07:40:10	vironment					
7079	17-Dec-86	Programming En	Break Package	New	daniels	Debugger should skip SL::UNWIND-PROTECT* frames	
	i Hopefully Easy Annoying Bug						
	13:26:10	vironment				n reporting errors	
7084	17-Dec-86	Programming En	Break Package	New	daniels, va	BREAK..OK doesn't work under Interlisp exec/profil	
	Absolutely Bug						
	18:07:17	vironment				nMelle e--uses wrong evaluator, gets uba BROKEN	
7085	17-Dec-86	Programming En	Break Package	New	daniels.pa	UNBREAK (foo :in bar) doesn't find uses in subfunc	
	Absolutely Moderate Serious Bug						
	20:36:10	vironment				tions	
7089	19-Dec-86	Programming En	Break Package	New	daniels.pa	OPENWP should be on list of unsafe functions to br	
	Absolutely Easy Fatal Bug						
	10:23:56	vironment				eak	
7097	19-Dec-86	Programming En	Break Package	New	Daniels	Wrong frame current in broken function in debugger	
	Hopefully Moderate Moderate Bug						
	22:36:05	vironment					
7122	29-Dec-86	Programming En	Break Package	New	Daniels	Break window BT frame window doesn't show arg name	
	Absolutely Bug						
	13:47:11	vironment				s for broken fn.	
7213	13-Jan-87	Programming En	Break Package	New	daniels, pa	Trace replacing old fn defn.	Hopefully
	Serious Bug						
	02:10:08	vironment				vel	
7215	13-Jan-87	Programming En	Break Package	New	daniels	Arguments displayed during trace are random.	
	Perhaps Moderate Feature						
	02:16:43	vironment					
7236	14-Jan-87	Programming En	Break Package	New	daniels	Information in breakpoint, backtrace, and frame wi	
	Absolutely Moderate Moderate Bug						
	16:07:14	vironment				ndow is printed with inconsistent package / readta	
						ble.	
7267	16-Jan-87	Programming En	Break Package	New	woz	Bad bahavior of backtrace window inspect menu	
	Unlikely Easy Annoying Design - UI						
	16:06:54	vironment					
7295	20-Jan-87	Programming En	Break Package	New	Daniels, Bi	Need to finish documentation for the new DEBUGGER	
	Absolutely Hard Serious Documentation						
	17:45:26	vironment				ggs	
7296	20-Jan-87	Programming En	Break Package	New	Fischer, Bi	New Step and trace need documentation	
	Absolutely Moderate Serious Documentation						
	17:48:23	vironment				ggs	
7308	21-Jan-87	Programming En	Break Package	New	Daniels	CL:READ should be in the list of break warning fns	
	Absolutely Design - UI						
	16:14:01	vironment					
7355	26-Jan-87	Programming En	Break Package	New	Pavel, Dani	Want better support for debugging interpreted code	
	Design - UI						
	23:27:01	vironment				els	
7371	28-Jan-87	Programming En	Break Package	New	Daniels	Stack overflow condition should get normal debugge	
	Absolutely Moderate Design - UI						
	12:01:49	vironment				r window	
7383	29-Jan-87	Programming En	Break Package	New	Daniels	ENTER-DEBUGGER-P should say yes for STORAGE-	
	CONDIT Hopefully Easy Moderate Design - Impl					IONS	
	11:41:06	vironment					
7384	29-Jan-87	Programming En	Break Package	New		STACK-OVERFLOW errors should get a new window	
	Hopefully Easy Annoying Design - Impl						
	11:43:08	vironment					
7402	30-Jan-87	Programming En	Break Package	New	Daniels	Closing a debugger window does not always abort	
	Moderate Bug						
	12:56:11	vironment					
7441	4-Feb-87	Programming En	Break Package	New	Daniels	Can't break Interlisp NLAMBDA's	Absolutely
	Serious Bug						
	14:57:56	vironment					
7445	4-Feb-87	Programming En	Break Package	New	Daniels	INSPECTCODE from debugger should always inspect se	
	Hopefully Moderate Bug						
	16:51:54	vironment				lected frame	
7474	4-Feb-87	Programming En	Break Package	New	Daniels	The debugger should rebind *READ-SUPPRESS* to NIL	
	Absolutely Easy Serious Bug						
	21:28:01	vironment					
7486	5-Feb-87	Programming En	Break Package	New	Daniels	debugger "eval:" undocumented	

20:39:12	vironment				acting like top-level typescript window		
5556	24-Apr-86	Programming En	Break Package	Fixed	AUTOBACKTRACEFLG vs. TRACE		
	Absolutely		Bug				
11:48:47	vironment						
5807	11-Jun-86	Programming En	Break Package	Fixed	AUTOBACKTRACEFLG = ALWAYS breaks TRACE		
	Absolutely		Serious Bug				
09:38:52	vironment						
5940	28-Jun-86	Programming En	Break Package	Fixed	biggs BT in break windows isn't very useful.		Absolutely
	Moderate		Design - Impl				
02:06:18	vironment						
6007	8-Jul-86	Programming En	Break Package	Fixed	Break handling under CMLEXEC should be CMLreading		
	Absolutely		Annoying Design - Impl				
11:03:28	vironment						
6128	19-Jul-86	Programming En	Break Package	Fixed	Want to be able to include 1-cell arglist debuggin		Absolutely
	Design - Impl						
04:17:22	vironment				g info in compiled code, have printcode etc know a		
			bout them				
6445	8-Sep-86	Programming En	Break Package	Fixed	Can't revert from the menu any more		Absolutely
	Moderate		Bug				
17:57:29	vironment						
6712	27-Oct-86	Programming En	Break Package	Fixed	Break package obscures system variables		
	Absolutely		Moderate Bug				
09:44:31	vironment						
6796	4-Nov-86	Programming En	Break Package	Fixed	EVAL in debugger doesn't print result		Absolutely
	Moderate		Design - Impl				
17:59:31	vironment						
6817	6-Nov-86	Programming En	Break Package	Fixed	Backtrace windows (and printed backtraces) show to		
	Hopefully		Annoying Design - UI				
12:33:52	vironment				o many calls		
6818	6-Nov-86	Programming En	Break Package	Fixed	Stack frame display for CL EVAL frames should show		
	Hopefully		Moderate Annoying Feature				
12:40:05	vironment				more		
6927	19-Nov-86	Programming En	Break Package	Fixed	debugger windows pop up on top of one another.		
	Absolutely		Annoying Design - UI				
11:54:28	vironment						
6952	24-Nov-86	Programming En	Break Package	Fixed	PAGEHEIGHT remains debugger window height after de		
	Absolutely		Annoying Bug				
12:01:36	vironment				bugger exit		
7121	29-Dec-86	Programming En	Break Package	Fixed	?= under breakpoint shows broken fn, rather than a		
	Absolutely		Bug				
13:44:59	vironment				rgs		
7155	7-Jan-87	Programming En	Break Package	Fixed	Fischer Debugger BTV! command :print-junk option broken		
	Absolutely		Easy Annoying Bug				
11:23:37	vironment						
7329	23-Jan-87	Programming En	Break Package	Fixed	Help info on debugger menu is "NIL"		Hopefully
	Annoying		Bug				
18:09:49	vironment						
7598	10-Feb-87	Programming En	Break Package	Fixed	↑ out of break under "EVAL" unwinds too far		
	Absolutely		Serious Design - Impl				
19:18:26	vironment						
7599	10-Feb-87	Programming En	Break Package	Fixed	"PROCEED" shows too much, starts at wrong frame		
	Absolutely		Moderate Design - Impl				
19:22:56	vironment						
6237	28-Jul-86	Programming En	Break Package	Closed	Change break package uses a special variable to *		
	Easy		Annoying Design - Impl				
14:01:45	vironment				WINDOW-BREAK* from WBREAK to decide whether to sta		
					rt a new window or to use the same one instead of		
					MOVDs when WBREAK(T) or WBREAK(NIL)		
2347	8-Oct-84	Programming En	Break Package	Declined	Break of (REPLACE IN FOO) gives erroneous error me		
	Perhaps		Annoying Design - UI				
14:23:41	vironment				ssage (REPLACE was undefined)		
4102	17-Jul-85	Programming En	Break Package	Declined	want ~ to be treated equivalent to ↑ in break wind		Perhaps
	Annoying		Design - UI				
19:13:39	vironment				ow		
744	17-Apr-84	Programming En	Break Package	Superseded	(Superseded by AR 1035) ↑ out of break can switch		
	Perhaps		Moderate Annoying Design - UI				
16:25:26	vironment				TTY stream to TRACE window		
1740	2-Aug-84	Programming En	Break Package	Superseded	editing under a break (superseded by AR 162)		
	Moderate		Bug				
14:00:53	vironment						
2809	6-Dec-84	Programming En	Break Package	Superseded	(Superseded by AR 5556) Setting		
	AUTOBACKTRACEFLG =		Perhaps		Annoying Bug		
09:56:17	vironment				ALWAYS causes a break when a traced fn is called:		
					"TRACE - UNBOUND ATOM"		
2863	12-Dec-84	Programming En	Break Package	Superseded	BURTON.PA Harmony: tracing functions (superceded by AR		
	2863)						
16:10:44	vironment						
2967	29-Dec-84	Programming En	Break Package	Superseded	(Superseded by AR 1035) BREAK windows can be left		
	Unlikely		Minor Bug				
08:52:57	vironment				on screen after REVERT to broken fn.		

3487	14-Mar-85	Programming En	Break Package	Superseded	(Superseded by AR 1035) Display stream switched to
	09:13:59	Perhaps	Annoying Design - Impl		
		vironment			break window when HELPFLAG set to break!
3540	25-Mar-85	Programming En	Break Package	Superseded	(Superseded by AR5556) When
	08:39:38	AUTOBACKTRACEFLG=ALWAY	Hopefully	Moderate Bug	
		vironment		SI, any TRACEd function stops with UNBOUND ATOM TR	
			ACE		
5219	14-Feb-86	Programming En	Break Package	Superseded	superseded by AR494: HELPFLAG = BREAK! doesn't
	11:41:33	alw Absolutely	Moderate Bug		
		vironment		ays work	
6099	16-Jul-86	Programming En	Break Package	Superseded	(Superseded by AR 5556) AUTOBACKTRACEFLG of
	17:46:31	ALWAYS Perhaps	Annoying Bug		
		vironment		or ALWAYS! breaks TRACE	
7011	6-Dec-86	Programming En	Break Package	Superseded	debugger entry frame odd Absolutely
	06:53:47	Serious Design - UI			
		vironment			
7083	17-Dec-86	Programming En	Break Package	Superseded	[SUPERSEDED BY 7121] ?= doesn't work for il:broken
	18:01:11	Absolutely	Bug		
		vironment		fns	
7247	15-Jan-87	Programming En	Break Package	Superseded	Superseded by AR7236: Frame inspector window in De
	19:16:18	Absolutely Moderate	Serious Bug		
		vironment		bugger always uses IL package, readtable	
311	27-Mar-84	Programming En	Break Package	Obsolete	HELPPFIX is calling EDITE with Type=FNS when there
	9:29:34	Absolutely Easy	Annoying Design - UI		
		vironment		is no fn	
2223	21-Sep-84	Programming En	Break Package	Obsolete	BREAK frame window opens twice Perhaps
	15:09:15	Annoying Design - Impl			
		vironment			
2533	30-Oct-84	Programming En	Break Package	Obsolete	Break window becomes Toplevel
	09:41:33	Moderate Bug			
		vironment			
2598	7-Nov-84	Programming En	Break Package	Obsolete	Got UNBOUND ATOM "↑" and "?=" in break window
	17:07:01	Perhaps	Annoying Bug		
		vironment			
2614	8-Nov-84	Programming En	Break Package	Obsolete	MaxBkMenuHeight no longer effective Perhaps
	14:55:36	Minor Bug			
		vironment			
2928	19-Dec-84	Programming En	Break Package	Obsolete	Break window frame inspect window opened twice whe
	08:09:37	Perhaps	Minor Performance		
		vironment		n first created	
2968	29-Dec-84	Programming En	Break Package	Obsolete	REVERT to Nlambda-nospread with LOCALVAR arg
	10:47:57	trans Absolutely	Moderate Bug		
		vironment		forms arg to (LIST arg)	
6538	26-Sep-86	Programming En	Break Package	Obsolete	TRACE keeps opening new windows, rather than reusi
	18:23:55	Absolutely	Serious Bug		
		vironment		ng one trace window.	
6829	6-Nov-86	Programming En	Break Package	Obsolete	CLOSEW of a breakwindow sends ↑ instead of il:↑
	21:34:57	Minor Bug			
		vironment			
539	6-Apr-84	Programming En	Break Package	Incomplete	Break middle-button pop-up menu should switch the
	10:20:11	Perhaps	Annoying Design - UI		
		vironment		TTY to the break window	