

6. KNOWN PROBLEMS

This chapter is a compilation of known problems in the Lyric/Medley Release of Xerox LOOPS. These problems are in the form of Action Requests (ARs) from the Xerox AR data base, followed by a brief description.

The ARs are divided into the following categories:

- Installation
- Instances
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- Breaking and tracing
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- Xerox LOOPS Library Packages
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6.1 Installation

AR	Description
10169	<p>During the installation process, if fonts need to be loaded the LOOPS installer will try to write them to the directory on the front (CAR) of the list DISPLAYFONTDIRECTORIES.</p> <p>Workaround: Be sure that this is a directory you can write to, e.g. by pushing the name of a local directory onto the list like "{dsk}<lispfiles>fonts>." Grapher is loaded into the current sysout without being copied to a local directory; you may wish to do this and put that directory on your DIRECTORIES list.</p>

6.2 Instances

AR	Description
9225	The implementation of multiple names for instances has NOT been changed in the Lyric/Medley release of LOOPS. However, some conditions which previously caused instances to appear twice on a file have been fixed.

6.3 Classes

AR	Description
8881	The Supers MACRO is not documented. It retrieves the supers of the given class. It accepts a class object as an argument and returns a list of class objects.
9134	Caution: ListAttribute (page 3-27) finds non-local IVPROPS on classes.
9881	<p>To use the method CVMissing, it is necessary to define a class called MyClass which is a specialization of the class Class. Then the CVMissing method is specialized at this level (in MyClass). Finally, a class Foo is defined whose metaclass is MyClass. At this point the expression</p> <pre>(GetClassValue (_ (\$ Foo) New) 'NewCV)</pre> <p>can be evaluated and a new class variable will be created.</p>
9884	To create a class / instance variable without a value the variable should be set to the value of NotSetValue .

6.4 MetaClasses

AR	Description
10049	<p>A new low level accessor function has been defined for programmers who wish to implement their own inheritance schemes.</p> <p>(FetchMethodLocally classobj selector)</p> <p>If <i>classobj</i> has a method for <i>selector</i> returns its name, otherwise NIL.</p>

6.5 Active Values

AR	Description
9158	If an IndirectVariable points at an ActiveValue in a remote object then the remote active value's Get or PutWrappedValue method is

triggered with the **containingObj** argument holding the object containing the **IndirectVariable**.

6.6 Browsers

AR	Description
9244	<p>The behavior of LatticeBrowser and ClassBrowser are different for AddRoot.</p> <p>Workaround: The example for AddRoot in section 10.5.3 should be changed to:</p> <p>The following creates an instance of LatticeBrowser and adds Tofu as a root:</p> <pre>54_ (_ (\$ LatticeBrowser) New 'LB1) 55_ (_ (\$ LB1) AddRoot 'Tofu)</pre>
9851	<p>Section 10.3.2.7 "Extending Functionality with the Left Mouse Button:" should be modified as follows.</p> <p>On the 1186 the COPY key is similar to SHIFT, the MOVE and CTRL keys behave similarly, and META and SAME are similar as well.</p>
9859	<p>The specialization of LatticeBrowser methods into ClassBrowser methods is not enumerated. In section 10.5 "Programmer's Interface to Lattice Browsers," some methods are described which take different arguments when invoked on Class Browsers, e.g., BoxNode sent to a ClassBrowser does not allow the unboxPrevious flag.</p>
10010	<p>The documentation for NewItem in section 10.5.3 has the following additional information:</p> <p>Purpose: Gets an object, prompting the user if necessary.</p> <p>Behavior: ...to be added. NewItem accepts only names and maps them to objects using \$!. If no name is entered at the prompt (by pressing return), NewItem returns NIL.</p>
10367	<p>When specializing a method from the class browser, if there are no methods to inherit, other than generic methods from Object, the menu lists methods already defined in the current class. Be careful about specializing methods defined directly under Object.</p>

6.7 Breaking and Tracing

AR	Description
10356	<p>BT will not show the send frames for broken methods.</p> <p>Workaround: You can do BT! and grab the method name from the *APPLY* frame. Inspect the METHOD-FNS definition of it.</p>

6.8 File Manager

AR	Description
9159	Renaming a method does not smash the associated old symbol's function definition.
9166	Renaming a method does not remove the associated old method-fns definition from the file manager's change list.
10484	CLASS coms compiled by Lyric/Medley LOOPS are combined into a single large form that is read all at once. This causes occasional "Class x not defined, defining one now." messages to appear. Aside from the inconvenience of not seeing the names of classes during compilation, this should not cause problems.

6.9 MasterScope

AR	Description
9911	When LOOPS MasterScope analyzes forms like <pre>(LET* ((A B) (C (F A))) --)</pre> dwim asks about what it thinks is an unbound use of A. The analysis is correct, however.

6.10 Extensions to ?=

AR	Description
9828	? = documentation for the ClassBrowser methods is not available.

6.11 Windows

AR	Description
9243	PutSavedValue and SavedValue have not been removed from this release of Xerox LOOPS. We no longer plan to remove them.
10040	There are two new methods on the Window class: <pre>(_ window Open?)</pre> returns non-NIL if window is a LOOPS Window and is open. <pre>(_ window Shade shade)</pre> shades a LOOPS Window if it's open. The <i>shade</i> argument defaults to the value of GRAYSHADE1 .

6.12 System Variables and Functions

AR	Description
9222	The variable LispUserFilesForLoops actually names Lisp Library modules.

6.13 Xerox LOOPS Library Modules

AR	Description
9797	After VirtualCopyMixin classes are "destroyed," instances of them can still be created without an error occurring.
9868	If a gauge is Attach 'ed to one value, and then Attach 'ed to another value the title of the gauge will not change even though the gauge will display the new value.
9871	Sending a Shape message to a Meter with the ExtraSpaceFlag set to T has no effect.

6.14 Conversion to Newer Releases

AR	Description
10404	There is currently no really convenient way of converting instance files from Buttriss into Koto and Lyric/Medley. However, one can load LOOPSBACKWARDS , which modifies the OLD-INTERLISP-FILE readtable to handle the older style instances. Then one can read instances individually from the file and write them into a new file. In the new file they will be correctly formatted in the new manner.

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