

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
- Classes
- MetaClasses
- Active values
- Browsers
- Breaking and tracing
- File Manager
- Masterscope
- Extensions to ?=
- Windows
- System Variables and Functions
- Xerox LOOPS Library Packages
- Conversion to newer releases

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## 6.1 Installation

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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 <b>DISPLAYFONTDIRECTORIES</b>.</p> <p><b>Workaround:</b> 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}&lt;lispfiles&gt;fonts&gt;." 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 <b>DIRECTORIES</b> list.</p>

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## 6.2 Instances

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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.

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## 6.3 Classes

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AR	Description
8881	The Supers <b>MACRO</b> 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: <b>ListAttribute</b> (page 3-27) finds non-local <b>IVPROPS</b> on classes.
9881	<p>To use the method <b>CVMissing</b>, it is necessary to define a class called <b>MyClass</b> which is a specialization of the class <b>Class</b>. Then the <b>CVMissing</b> method is specialized at this level (in <b>MyClass</b>). Finally, a class <b>Foo</b> is defined whose metaclass is <b>MyClass</b>. 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 <b>NotSetValue</b> .

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## 6.4 MetaClasses

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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><b>(FetchMethodLocally classobj selector)</b></p> <p>If <i>classobj</i> has a method for <i>selector</i> returns its name, otherwise NIL.</p>

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## 6.5 Active Values

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

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

## 6.6 Browsers

AR	Description
9244	<p>The behavior of <b>LatticeBrowser</b> and <b>ClassBrowser</b> are different for <b>AddRoot</b>.</p> <p><b>Workaround:</b> The example for <b>AddRoot</b> in section 10.5.3 should be changed to:</p> <p>The following creates an instance of <b>LatticeBrowser</b> 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 <b>COPY</b> key is similar to <b>SHIFT</b>, the <b>MOVE</b> and <b>CTRL</b> keys behave similarly, and <b>META</b> and <b>SAME</b> are similar as well.</p>
9859	<p>The specialization of <b>LatticeBrowser</b> methods into <b>ClassBrowser</b> 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., <b>BoxNode</b> sent to a <b>ClassBrowser</b> does not allow the <b>unboxPrevious</b> flag.</p>
10010	<p>The documentation for <b>NewItem</b> 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. <b>NewItem</b> accepts only names and maps them to objects using <b>\$!</b>. If no name is entered at the prompt (by pressing return), <b>NewItem</b> returns <b>NIL</b>.</p>
10367	<p>When specializing a method from the class browser, if there are no methods to inherit, other than generic methods from <b>Object</b>, the menu lists methods already defined in the current class. Be careful about specializing methods defined directly under <b>Object</b>.</p>

## 6.7 Breaking and Tracing

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

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## 6.8 File Manager

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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	<b>CLASS</b> 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.

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## 6.9 MasterScope

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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.

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## 6.10 Extensions to ?=

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AR	Description
9828	<b>?</b> = documentation for the <b>ClassBrowser</b> methods is not available.

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## 6.11 Windows

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

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## 6.12 System Variables and Functions

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AR	Description
9222	The variable <b>LispUserFilesForLoops</b> actually names Lisp Library modules.

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## 6.13 Xerox LOOPS Library Modules

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

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## 6.14 Conversion to Newer Releases

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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 <b>LOOPSBACKWARDS</b> , which modifies the <b>OLD-INTERLISP-FILE</b> 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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