

The *Lisp Release Notes* contain information from both the Lyric and Medley releases, including descriptions of all Lyric bug fixes. Medley additions are indicated with revision bars in the right margin.

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## Summary of Medley Changes

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The Medley release is currently provided on two platforms, Xerox 1100 series workstations using Medley 1.0, and Sun 3 workstations using Medley 1.0-S. Medley 1.0 and Medley 1.0-S are compatible with each other and will let you develop software on either platform. Source and compiled files are transferable between the two platforms. Sysouts developed on Xerox workstations can also be run on the Sun 3. Sysouts made on the Sun 3, however, cannot be run on Xerox workstations.

The Medley release enhances the Lyric release and fixes over 450 known Lyric bugs. Medley adds new features, improves Common Lisp implementation, and improves overall reliability of the Lisp sysout. Specific enhancements include:

- The COMPILER contains many added optimizations and numerous bug fixes.
- The DEBUGGER evaluates lexical variables. Lexical variables can now be contained in interpreted code.
- DFASL files now behave at the level of Interlisp-D compiled files. COMS are contained in DFASLs so that the system loads a DFASL file only once.
- The SEDIT code editor is more robust and better integrated with the environment.
- Common Lisp comments are preserved during loading. During MAKEFILE, comments can be written out with just semicolons.
- The new ERROR SYSTEM is compatible with the most recent standard defined for Common Lisp error systems.
- TEdit contains numerous bug fixes.
- MASTERSCOPE contains Common Lisp query support allowing you to ask questions about Common Lisp code that could previously be asked only of Interlisp-D code. Currently, questions specific to Common Lisp constructs are not supported.
- RS232 contains many bug fixes that improve the reliability of data transfer and the addition of various debugging tools.
- TCP/IP now contains many bug fixes including UNIX file interface and directory enumeration.

- A new System Tool lets you fetch sysouts from TCP hosts.
- NS Random Access is now supported.
- A new File Browser user interface now supports file sorting by dates. The new interface includes the ability to stop in the middle of operations.
- The Medley sysout is about the same size as the Lyric sysout.

In addition, Medley on the Sun 3 workstation offers the following new features:

- The UnixChat library module allows you to communicate with a UNIX shell on your own host.
- The UnixComm library module allows you to start a Unix process on a Sun workstation and provides an interface to the SunOS operating system.
- The ability to suspend Medley and use UNIX as a background process is provided.