The *Lisp Release Notes* provide current information about the Lisp software development environment. You will find the following information in these *Notes*:

- An overview of significant extensions to the Common Lisp language.

- Descriptions of new features that enhance the integration and implementation of Common Lisp into the Lisp environment.

- A summary of changes made in the Library modules, in the Sketch and TEdit tools, and in the 1108 and 1186 User's Guides.

- Discussions of how specific Common Lisp features have affected the Interlisp-D language.

- Notes reflecting the changes made to Interlisp-D, independent of Common Lisp.

- Known restrictions.

## How the Release Notes are Organized

The *Lisp Release Notes* are organized as follows:

Chapter 1, Introduction, summarizes the Medley release enhancements.

Chapter 2, Notes and Cautions, highlights significant Medley and Lyric changes in the Lisp environment.

Chapter 3, Common Lisp/Interlisp-D Integration, discusses how the integration of Common Lisp into the Lisp environment affects Interlisp features.

Chapter 4, Changes to Interlisp-D in Lyric/Medley, outlines changes that have taken place in Interlisp-D and its environment during the Lyric and Medley releases. These changes are primarily independent of Common Lisp integration.

> Chapters 3 and 4 are organized to parallel the *Interlisp-D Reference Manual* as closely as possible. To make it easy to use these chapters with the *IRM*, the following conventions are used:
>
> Information is organized by *Interlisp-D Reference Manual* volume and section. The *IRM* section level headings are maintained to aid in cross-referencing.

Chapter 5, Library Modules, is a synopsis of the changes to the Lisp Library Modules.

Chapter 6, User's Guides, is a collection of release notes on the 1108 and 1186 User's Guides; *A User's Guide to Sketch*, and *A User's Guide to TEdit*.

Chapter 7, Common Lisp Implementation, describes improved features that integrate Common Lisp into the environment.

Five Appendices contain documentation of newly integrated system features:

Appendix A, The Exec, describes Lisp's Exec.

Appendix B, SEdit, describes the Lisp structure editor.

Appendix C, ICONW, describes the Lisp feature for building display icons.

Appendix D, Free Menu, describes Lisp's flexible menu feature.

Appendix E, Error System, describes error conditions and recovery.

## Notational Conventions

Conventions used in the *Lisp Release Notes* include the following:

Names of Interlisp functions, macros and variables are shown in **BOLD UPPERCASE**; their arguments are in *ITALICS*.

Names of Common Lisp functions, macros and variables are shown in **bold lowercase**; their arguments are in *italics.*

A backslash (\) character preceding a function or variable name signifies that it is a property of the system.

Examples are shown in `terminal 10`.

Text shown with ~~StrikeThru~~ is information that no longer applies.

Text shown with revision bars in the right margin is information that has been added or modified since the last release.

References to the *Interlisp-D Reference Manual*, or *IRM*, are used throughout this manual.

## How to Use The Release Notes

The *Lisp Release Notes* contain current information on the Lisp environment. The Medley release enhances the Lyric release with new features and corrections to over 450 known Lyric bugs. Because Medley primarily contains additions to Lyric, these *Release Notes* have been written to include Lyric information that applies in Medley.

These *Lisp Release Notes* replace the *Lyric Release Notes*. The descriptions contained within these *Notes* are closely interwoven

with functions, variables and other concepts discussed in the *Interlisp-D Reference Manual*, or *IRM*. Chapters 3 and 4 of these *Notes* closely parallel the *IRM*, preserving section headings with respect to order and numbering. You might find it helpful to go through the *Release Notes* and the *IRM* together, marking the *IRM* sections that have new information. Later when you consult the *IRM* you will know which sections require you to read the analogous section of the *Release Notes*.

## Related Literature

We recommend that you use the *Lisp Release Notes* as a supplement to the following publications:

*Interlisp-D Reference Manual,* Volumes I through III, Koto Release, 1985.

*Common Lisp, the Language,* by Guy L. Steele Jr., Digital Press, 1984.

*Common Lisp Implementation Notes,* Lyric Release, 1987.

*Lisp Documentation Tools,* (includes *"A User's Guide to TEdit"* and *"A User's Guide to Sketch"*), Lyric Release, 1987.

*Lisp Library Modules,* Medley Release, 1988.

*Medley 1.0-S User's Guide,* Medley Release, 1988.