## List Manager

## Contents

Introduction to Lists 4-4
Appearance of Lists 4-4
Selection of List Items 4-9
Keyboard Navigation of Lists 4-15
Movement of a Selection With Arrow Keys 4-15
Extension of a Selection With Arrow Keys 4-16
Type Selection in a Text-Only List 4-20
Multiple Lists in a Window 4-20
About the List Manager 4-22
Using the List Manager 4-26
Creating a List 4-27
Adding Rows and Columns to a List 4-30
Responding to Events Affecting a List 4-32
Working With List Selections 4-34
Customizing Cell Highlighting 4-38
Manipulating List Cells 4-40
Searching a List for a Particular Item 4-43
Supporting Keyboard Navigation of Lists 4-45
Supporting Type Selection of List Items 4-45
Supporting Arrow-Key Navigation of Lists 4-48
Supporting the Anchor Algorithm for Extending Lists With Arrow Keys 4-52
Outlining the Current List 4-53
Writing Your Own List Definition Procedure 4-58
Responding to the Initialization Message 4-60
Responding to the Draw Message 4-60
Responding to the Highlighting Message 4-62
Responding to the Close Message 4-62
Using the Pictures List Definition Procedure 4-63
List Manager Reference 4-65

Contents 4-1

Data Structures 4-65 The Cell Record 4-65 4-66 The Data Handle The List Record 4-66 4-70 List Manager Routines Creating and Disposing of Lists 4-70 Adding and Deleting Columns and Rows To and From a List 4-73 Determining or Changing the Selection 4-77 4-79 Accessing and Manipulating Cell Data 4-84 Responding to Events Affecting Lists Modifying a List's Appearance Searching a List for a Particular Item 4-90 Changing the Size of Cells and Lists 4-91 **Getting Information About Cells** 4-93 4-96 **Application-Defined Routines** List Definition Procedures 4-96 **Match Functions** Click-Loop Procedures 4-100 Summary of the List Manager 4-102 Pascal Summary Constants 4-102 Data Types 4-102 List Manager Routines 4-103 **Application-Defined Routines** 4-105 C Summary 4-106 Constants 4-106 Data Types 4-106 List Manager Routines 4-107 **Application-Defined Routines** 4-109 Assembly-Language Summary 4-110 **Data Structures** 4-110 Trap Macros 4-111

4-2 Contents