Credits

```
Principal Technical Editors:

Kent M. Pitman            Harlequin, Inc.              1993-present
                          Symbolics, Inc.             1990-1992
Kathy Chapman             Digital Equipment Corporation  1987-1989

Occasional Guest Editors:

Richard P. Gabriel        Lucid, Inc.
Sandra Loosemore          self

Financial Contributors to the Editing Process:

Digital Equipment Corporation
Harlequin, Ltd. and Harlequin, Inc.
Symbolics, Inc.
Apple, Inc.
Franz, Inc.
Lucid, Inc.
```

Special thanks to Guy L. Steele Jr. and Digital Press for producing *Common Lisp: The Language*, and for relaxing copyright restrictions enough to make it possible for that document's text to provide an early basis of this work.

```
Edit and Review History:

01-Jan-89  Chapman     Draft of Chapters 1.1 (scope).
01-Jan-89  Pitman      Draft of Chapters 5.1 (conditions).
01-May-89  Chapman     Draft of 1.2--1.6.
01-May-89  Gabriel     Rewrite of Chapters 1.1 and 5.1.
01-Jun-89  Loosemore   Review of Chapter 4.2.
01-Jun-89  Pitman      Review of Glossary
15-Jun-89  Gabriel     Rewrite of Glossary
16-Jun-89  Margolin    Comments on Chapters 2.1--2.4 (types, objects).
23-Jun-89  Gabriel     Rewrite of 4.2.
07-Jul-89  Moon        Review of Chapters 4.1, 4.3
12-Jul-89  Gabriel     Revision of 4.2.
15-Jul-89  Pitman      Review of Glossary
18-Jul-89  Gray        Comments on 5.1
25-Jul-89  Gabriel     Revision of Chapters 1.2--1.6, 2.2
26-Jul-89  Gabriel     Rewrite of 5.1
26-Jul-89  Gabriel     Rewrite of 4.1.
27-Jul-89  Pitman      Revision of 5.1
27-Jul-89  Gabriel     Revision of 5.1
28-Jul-89  Chapman     Draft of 2.2, 3.2, 3.3, 5.4
28-Jul-89  Gabriel     Revision of Glossary.
01-Oct-89  Margolin    Review of Dictionary from Jun-89 draft.
20-Jan-91  Pitman      Draft 8.81 (for X3J13 review). Document X3J13/91-101.
29-Jan-91  Waters      Review of 8.81/Chapter 23 (Printer).
01-Mar-91  Moon        Review of 8.81/Chapter 4 (Evaluation and Compilation).
01-Mar-91  Barrett     Review of 8.81/Chapter 4 (Evaluation and Compilation).
01-Mar-91  Moon        Review of 8.81/Glossary.
13-Mar-90  Wechsler    Review of 8.81/Glossary.
21-Mar-91  Kerns       Review of 8.81/Chapter 1.
26-Apr-91  Margolin    Review of 8.81/Chapters 1--12.
15-May-91  Barrett     Review of 8.81/Chapters 5 (Misc), 11 (Conditions).
04-Jun-91  Laddaga     Review of 9.60/Chapter 20 (Pathnames).
10-Jun-91  Pitman      Draft 9.126 (for X3J13 review). Document X3J13/91-102.
02-Sep-91  Barrett     Review of 9.28/Chapter 4 (Evaluation and Compilation).
02-Sep-91  Barrett     Review of 9.52/Chapter 4 (Evaluation and Compilation).
15-Sep-91  Barrett     Review of 9.126/Chapter 4 (Evaluation and Compilation)
                       and Chapter 7 (Evaluation/Compilation).
                       (some comments not yet merged)
18-Sep-91  Wechsler    Review of 9.126.
```

```
21-Sep-91  Barrett     Review of 10.16/Chapter 7 (Evaluation/Compilation).
                       (some comments not yet merged)
28-Sep-91  Barrett     Review of 10.95/Chapter 25 (Printer).
                       (some comments not yet merged)
13-Oct-91  Barrett     Review (and help editing) of 10.104/Chapter 4
                       (Evaluation and Compilation)
15-Oct-91  Waters      Review of 10.95/Chapter 25 (Printer).
24-Oct-91  Pitman      Draft 10.156 (for X3J13 review). Document X3J13/91-103.
04-Nov-91  Moon        Review of 10.156/Chapter 5 (Data and Control Flow)
                       and Chapter 26 (Glossary).
11-Nov-91  Loosemore   Review of 10.156/Chapter 2 (Syntax),
                       Chapter 3 (Evaluation and Compilation),
                       Chapter 5 (Data and Control Flow), and Chapter 8 (Structures).
02-Dec-91  Barrett     Review of 10.156/Chapter 4 (Types and Classes),
                       and Chapter 10 (Symbols).
02-Dec-91  Barrett     Review of 10.156/Chapter 3 (Evaluation and Compilation),
                       Chapter 6 (Iteration), Chapter 9 (Conditions),
                       and Chapter 14 (Conses).
                       (some comments not yet merged)
09-Dec-91  Gabriel     Review of 10.156/Chapter 1 (Introduction),
                       Chapter 2 (Syntax), and Chapter 3 (Evaluation and Compilation).
09-Dec-91  Ida         Light review of 10.156/Chapters 1-5.
09-Dec-91  Moon        Review of 10.156/Chapter 3 (Evaluation and Compilation).
                       (some comments not yet merged)
10-Dec-91  Loosemore   Review of 10.156/Chapter 10 (Symbols),
                       Chapter 20 (Files), and Chapter 13 (Characters).
10-Dec-91  Loosemore   Review of 10.156/Chapter 14 (Conses).
                       (some comments not yet merged)
10-Dec-91  Laubsch     Review of 10.156/Chapters 1 (Introduction),
                       Chapter 2 (Syntax), Chapter 3 (Evaluation and Compilation),
                       Chapter 4 (Types and Classes), Chapter 5 (Data and Control Flow),
                       Chapter 7 (Objects), Chapter 11 (Packages),
                       Chapter 19 (Filenames), and Chapter 21 (Streams).
18-Dec-91  Margolin    Review of 10.156/Chapter 18 (Hash Tables).
04-Jan-92  White       Review of 10.156/Chapter 6 (Iteration),
                       Chapter 11 (Packages), Chapter 18 (Hash Tables),
                       and Chapter 23 (Reader).
04-Jan-92  White       Review of 10.156/Chapter 26 (Glossary).
                       (some comments not yet merged)
04-Jan-92  Barrett     Review of 10.156/Chapter 18 (Hash Tables) and Chapter 16 (Strings).
04-Jan-92  Barrett     Review of 10.156/Chapter 15 (Arrays) and Chapter 21 (Streams).
                       (some comments not yet merged)
06-Jan-92  Loosemore   Review of 10.156/Chapter 16 (Strings),
                       Chapter 17 (Sequences), and Chapter 25 (Environment).
06-Jan-92  Loosemore   Review of 10.156/Chapter 21 (Streams) and Chapter 23 (Reader).
                       (some comments not yet merged)
06-Jan-92  Margolin    Review of 10.156/Chapter 2 (Syntax).
07-Jan-92  Margolin    Review of 10.156/Chapter 4 (Types and Classes).
03-Feb-92  Aspinall    Review of 10.156/Chapter 12 (Numbers).
16-Feb-92  Pitman      Draft 11.82 (for X3J13 letter ballot). Document X3J13/92-101.
16-Mar-92  Loosemore   Review of 11.82/Chapter 1, 3-5, 7-12, 18, and 22-26.
16-Feb-92  Pitman      Draft 12.24 (for X3 consideration). Document X3J13/92-102.
09-Sep-92  Samson      Public Review Comments (#1). Documents X3J13/92-1001 to 92-1003.
22-Oct-92  Rose, Yen   Public Review Comments (#2). Documents X3J13/92-1101 to 92-1103.
23-Oct-92  Staley      Public Review Comments (#3). Documents X3J13/92-1201 to 92-1204.
09-Nov-92  Barrett     Public Review Comments (#4). Documents X3J13/92-3101 to 92-3110.
11-Nov-92  Moon        Public Review Comments (#5). Documents X3J13/92-3201 to 92-3248.
17-Nov-92  Loosemore   Public Review Comments (#6). Documents X3J13/92-1301 to 92-1335.
23-Nov-92  Margolin    Public Review Comments (#7). Documents X3J13/92-1401 to 92-1419.
23-Nov-92  Withington  Public Review Comments (#8a). Documents X3J13/92-1501 to 92-1512.
23-Nov-92  Feinberg    Public Review Comments (#8b). Documents X3J13/92-1601 to 92-1603.
23-Nov-92  Wechsler    Public Review Comments (#8c). Documents X3J13/92-1701 to 92-1703.
23-Nov-92  Moore       Public Review Comments (#9). Documents X3J13/92-1801 to 92-1802.
23-Nov-92  Flanagan    Public Review Comments (#10). Documents X3J13/92-1901 to 92-1910.
23-Nov-92  Dalton      Public Review Comments (#11). Documents X3J13/92-2001 to 92-2012.
23-Nov-92  Gallagher   Public Review Comments (#12). Documents X3J13/92-2101 to 92-2103.
```

```
23-Nov-92   Norvig       Public Review Comments (#13). Documents X3J13/92-2201 to 92-2208.
24-Nov-92   Robertson    Public Review Comments (#14). Document X3J13/92-2301.
23-Nov-92   Kawabe       Public Review Comments (#15). Documents X3J13/92-2401 to 92-2403.
23-Nov-92   Barrett      Public Review Comments (#16). Documents X3J13/92-2511 to X3J13/92-2531.
23-Nov-92   Wertheimer   Public Review Comments (#17). Document X3J13/92-2601.
24-Nov-92   Pitman       Public Review Comments (#18). Documents X3J13/92-2701 to 92-2742.
24-Nov-92   Mato Mira    Public Review Comments (#19). Documents X3J13/92-2801 to 92-2805.
24-Nov-92   Philpot      Public Review Comments (#20). Document X3J13/92-2901.
23-Nov-92   Cerys        Public Review Comments (#21). Document X3J13/92-3001.
30-Aug-93   Pitman       Draft 13.65 (for X3J13 consideration). Document X3J13/93-101.
04-Oct-93   X3J13        Minor fixes to Draft 13.65 before sending to X3.
05-Oct-93   Pitman       Draft 14.10 (for X3 consideration). Document X3J13/93-102.
08-Nov-93   Dalton       "reply to reply to pr comments". Document X3J13/94-311.
04-Apr-94   Boyer, Kaufmann, Moore
                         Public Review Comments (#1). Document X3J13/94-305.
05-Apr-94   Pitman       Public Review Comments (#2). Document X3J13/94-306.
14-Mar-94   Schulenburg  Public Review Comments (#3). Document X3J13/94-307.
04-Apr-94   Shepard      Late commentary. Document X3J13/94-309.
05-May-94   X3J13        Editorial-only changes to Draft 14.10 in response to comments.
10-May-94   Pitman       Draft 15.17 (for X3 consideration). Document X3J13/94-101.
12-Aug-94   X3J13        Letter ballot to make specific corrections to Credits.
                         Drafts 15.17 and 15.17R are identical except for:
                         Changes to document date and version number.
                         Disclaimer added to back of cover page.
                         Changes to this Edit and Review History, page Credits iv.
                         Changes to names and headings, pages Credits v-vii.
12-Aug-94   Pitman       Draft 15.17R (for X3 consideration). Document ANSI X3.266-1994.
01-Feb-94   Pitman       Pre-publication changes per ANSI. This is ANSI X3.226-1994!
```

The following lists of information are almost certainly incomplete, but it was felt that it was better to risk publishing incomplete information than to fail to acknowledge important contributions by the many people and organizations who have contributed to this effort.

Mention here of any individual or organization does not imply endorsement of this document by that individual or organization.

```
Ad Hoc Group Chairs:

Characters                  Linden, Thom
Charter                     Ennis, Susan P.
Compiler Specification      Haflich, Steven M.
                            Loosemore, Sandra
Editorial                   Chapman, Kathy
                            van Roggen, Walter
Error and Condition System  Pitman, Kent M.
Graphics &Windows           Douglas Rand
                            Schoen, Eric
Iteration Facility          White, JonL
Language Cleanup            Masinter, Larry
                            Fahlman, Scott
Lisp1/Lisp2                 Gabriel, Richard P.
Macros                      Haflich, Steven M.
                            Pitman, Kent M.
                            Wegman, Mark
Object System               Bobrow, Daniel G.
Presentation of Standard    Brown, Gary L.
Pretty Printer              Waters, Richard C.
Public Review               Ida, Masayuki
Types &Declarations         Scherlis, William L.
Validation                  Berman, Richard
```

Major Administrative Contributions:

Barrett, Kim	Mathis, Robert
Brown, Gary L.	Pitman, Kent M.
Eiron, Hanoch	Steele, Guy L., Jr.
Gabriel, Richard P.	Tyson, Mabry
Haflich, Steven M.	Van Deusen, Mary
Ida, Masayuki	White, JonL
Loeffler, David D.	Whittemore, Susan
Loosemore, Sandra	Woodyatt, Anne
Masinter, Larry	Zubkoff, Jan L.

Major Technical Contributions:

Barrett, Kim A.	Keene, Sonya	Moon, David A.
Bobrow, Daniel G.	Kempf, James	Perdue, Crispin
Daniels, Andy	Kerns, Robert W.	Pitman, Kent M.
DeMichiel, Linda G.	Kiczales, Gregor	Steele, Guy L., Jr.
Dussud, Patrick H.	Loosemore, Sandra	Waters, Richard C.
Fahlman, Scott	Margolin, Barry	Weinreb, Daniel
Gabriel, Richard P.	Masinter, Larry	White, JonL
Ida, Masayuki	Mlynarik, Richard	

Participating Companies and Organizations:

AI Architects, Inc.	Lucid, Inc.
Amoco Production Co.	MCC
Aoyama Gakuin University	MIT
Apple Computer	MITRE Corporation
Boeing Advanced Technology Center	MSC
Carnegie-Mellon University	NASA Ames Research Center
Chestnut Software	National Bureau of Standards
Computer Sciences	Nihon Symbolics
Computer & Business Equipment Manufacturing Association (X3 Secretariat)	
CONTEL	ParcPlace Systems, Inc.
CSC	Prime Computer
DARPA	Siemens
Digital Equipment Corporation	Southern Illinois University
Encore	Sperry
Evans & Sutherland	SRI International
Franz, Inc.	Sun Microsystems
Gigamos	Symbolics
GMD	Tektronix
Gold Hill	Texas Instruments
Grumman Data Systems Corporation	The Aerospace Corporation
Harlequin, Ltd.	Thinking Machines Corporation
Hewlett-Packard	Unisys
Honeywell	University of Bath
IBM	University of Edinburgh
Ibuki	University of Maryland
Integrated Inference Machines	University of Utah
International LISP Associates	US Army
Johnson Controls, Inc.	USC/ISI
LMI	Xerox

Individual Participants:

Adler, Annette	Haflich, Steven M.	Peck, Jeff
Allen, Stanley	Harris, Richard M.	Pellegrino, Bob
Antonisse, Jim	Hendler, Jim	Perdue, Crispin
Arbaugh, Bill	Hewitt, Carl	Philipp, Christopher
Balzer, Bob	Hornig, Charles	Pierson, Dan
Barrett, Kim	Ida, Masayuki	Pitman, Kent M.
Bartley, David H.	Kachurik, Catherine A.	Posner, Dave
Beckerle, Michael	Kahn, Ken	Raghavan, B.
Beiser, Paul	Keene, Sonya	Rand, Douglas

Benson, Eric	Keller, Shaun	Rininger, Jeff
Berman, Richard	Kempf, James	Rosenking, Jeffrey P.
Bobrow, Daniel G.	Kerns, Robert W.	Scherlis, William L.
Boelk, Mary P.	Kiczales, Gregor	Shiota, Eiji
Brittain, Skona	Kolb, Dieter	Sizer, Andy
Brown, Gary L.	Koschmann, Timothy	Slater, David
Chailloux, Jerome	Kosinski, Paul	Sodan, Angela
Chapman, Kathy	Larson, Aaron	Soley, Richard M.
Clinger, Will	Latto, Andy	Squires, Stephen L.
Coffee, Peter C.	Laubsch, Joachim	St. Clair, Bill
Cugini, John	Layer, Kevin	Stanhope, Philip
Curtis, Pavel	Linden, Thom	Steele, Guy L., Jr.
Dabrowski, Christopher	Loeffler, David D.	Tucker, Paul
Daessler, Klaus	Loosemore, Sandra	Turba, Thomas
Dalton, Jeff	Magataca, Mituhiro	Unietis, Dave
Daniels, Andy	Margolin, Barry	Van Deusen, Mary
DeMichiel, Linda G.	Masinter, Larry	van Roggen, Walter
Doi, Takumi	Mathis, Robert	Waldrum, Ellen
Drescher, Gary	Matthews, David C.	Waters, Richard C.
Duggan, Jerry	McCarthy, John	Wechsler, Allan
Dussud, Patrick H.	Mikelsons, Martin	Wegman, Mark
Ennis, Susan P.	Mlynarik, Richard	Weinreb, Daniel
Fahlman, Scott	Moon, David A.	Weyhrauch, Richard
Frayman, Felix	Moore, Timothy	White, JonL
Gabriel, Richard P.	Nicoud, Stephen	Wieland, Alexis
Giansiracusa, Bob	Nilsson, Jarl	Withington, P. Tucker
Goldstein, Brad	O'Dell, Jim	Wright, Whitman
Gray, David	Ohlander, Ron	York, Bill
Greenblatt, Richard	Padget, Julian	Zacharias, Gail
Hadden, George D.	Palter, Gary	Zubkoff, Jan L.