Apple Computer, Inc. © 1994 Apple Computer, Inc. All rights reserved.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, mechanical, electronic, photocopying, recording, or otherwise, without prior written permission of Apple Computer, Inc. Printed in the United States of America.

No licenses, express or implied, are granted with respect to any of the technology described in this book. Apple retains all intellectual property rights associated with the technology described in this book. This book is intended to assist application developers to develop applications only for Apple Macintosh computers. Every effort has been made to ensure that the information in this manual is accurate. Apple is not responsible for printing or clerical errors.

Apple Computer, Inc. 20525 Mariani Avenue Cupertino, CA 95014 408-996-1010

Apple, the Apple logo, APDA, HyperCard, LaserWriter, Macintosh, Macintosh Quadra, MPW, and PowerBook are trademarks of Apple Computer, Inc., registered in the United States and other countries.

AppleDesign, AudioVision, Finder,

MacinTalk, QuickDraw, and QuickTime are trademarks of Apple Computer, Inc. Adobe Illustrator, Adobe Photoshop, and PostScript are trademarks of Adobe Systems Incorporated, which may be registered in certain jurisdictions. Classic[®] is a registered trademark licensed to Apple Computer, Inc. FrameMaker is a registered trademark of Frame Technology Corporation. Helvetica and Palatino are registered trademarks of Linotype Company.

Internet is a trademark of Digital Equipment Corporation.

ITC Zapf Dingbats is a registered trademark of International Typeface Corporation.

NuBusTM is a trademark of Texas Instruments.

Optrotech is a trademark of Orbotech Corporation.

SonyTM is a trademark of Sony Corporation, registered in the U.S. and other countries.

Simultaneously published in the United States and Canada.

LIMITED WARRANTY ON MEDIA AND REPLACEMENT

ALL IMPLIED WARRANTIES ON THIS MANUAL. INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. ARE LIMITED IN DURATION TO NINETY (90) DAYS FROM THE DATE OF THE ORIGINAL RETAIL PURCHASE OF THIS PRODUCT.

Even though Apple has reviewed this manual, APPLE MAKES NO WARRANTY OR REPRESENTATION. EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THIS MANUAL, ITS QUALITY, ACCURACY, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE. AS A RESULT. THIS MANUAL IS SOLD "AS IS," AND YOU. THE PURCHASER. ARE ASSUMING THE ENTIRE RISK AS TO ITS QUALITY AND ACCURACY.

IN NO EVENT WILL APPLE BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY DEFECT OR INACCURACY IN THIS MANUAL, even if advised of the possibility of such damages.

THE WARRANTY AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS, ORAL OR WRITTEN, EXPRESS OR IMPLIED. No Apple dealer, agent, or employee is

authorized to make any modification, extension, or addition to this warranty.

Some states do not allow the exclusion or limitation of implied warranties or liability for incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

ISBN 0-201-62272-6 1 2 3 4 5 6 7 8 9-CRW-9897969594 First Printing, May 1994



The paper used in this book meets the EPA standards for recycled fiber.

Library of Congress Cataloging-in-Publication Data

Inside Macintosh. Sound / [Apple Computer, Inc.]

p. cm. Includes index. ISBN 0-201-62272-6

1. Macintosh (Computer) 2. Computer sound processing. I. Apple Computer, Inc.

QA76.8.M3I53 1994 006.5--dc20

94-16209