Using Sound and Speech on the BBC Microcomputer

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**Using Sound and Speech
on the
BBC Microcomputer**

M. A. Phillips

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Preface

Most programs can be enhanced by the effective use of sound. If the programmer wishes to develop a variety of sounds then a range of skills is needed. First is a knowledge of the mechanism by which sounds are produced; second a knowledge of music; and third an ability to relate the computer sound and envelope parameters made by the computer. This book combines the basic elements of these three skills to give the reader sufficient background knowledge to make effective use of the BBC SOUND and ENVELOPE commands.

Throughout the book it is anticipated that readers will try out the various programs, experiment with them and program their own interesting sounds. It is not expected that the reader is an expert programmer and the programs have been written in such a way as to make typing them in as easy and error-free as possible.

I would like to thank Anne Kingston for her invaluable help with the chapter on music, Michael Free for the photography work and Acorn Computers for the permission to publish the circuit diagrams.

Martin Phillips