

CONTENTS

Hardware Focus



Acorn Electron We look at the third generation Acorn home computer 370

Software



Make Believe Simulation in the classroom helps keep school costs down and provides valuable assistance to pupil and teacher 366

Basic Programming



Dummy Run We must now create dummy data files for our address book before we can run the program 376

Insights



Call My Bluff Computer games can be much more challenging than Space Invaders or PacMan 361

Best Bet We examine ways in which home computers can be used as an aid to decision-making, both at home and at work 368

Jet Propelled Fast, silent printers that offer full colour are now available for most home computers at a reasonable price 372

Passwords To Computing



Memory Maps We explain how space in memory is allocated to different tasks by the microcomputer's operating system 364

Pioneers In Computing



Double Shuffle A brief history of the tabulator — precursor to the computer 380

Sound And Light



Sound Proof . . . Light Entertainment We look at the Dragon 32's sound generation and further aspects of the BBC Model B's graphics 374

Next Week

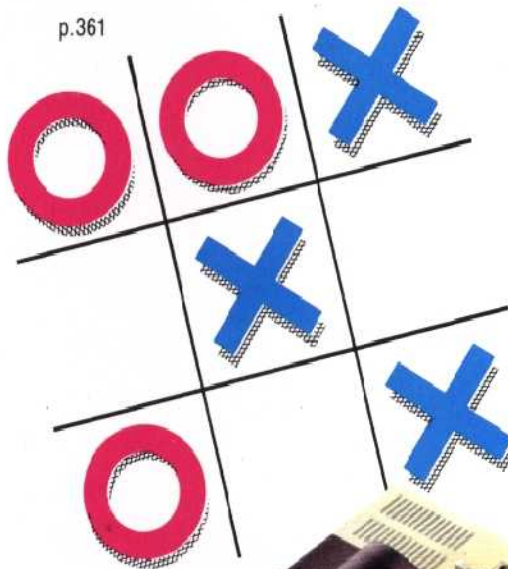
• We examine Memotech's MTX — 16 colours; four sound channels with hi-fi connector; BASIC, LOGO and Assembler as standard, with PASCAL as a ROM-based extra — all for less than £300

• Uncommitted Logic Arrays, found in most second generation microcomputers, make the computer designer's job much easier and the end product much less expensive

A complete index to THE HOME COMPUTER COURSE will appear with Issue 24



p.361



p.372

Editor Richard Pawson; **Consultant Editor** Gareth Jefferson; **Art Director** David Whelehan; **Production Editor** Catherine Cardwell; **Staff Writer** Roger Ford; **Picture Editor** Claudia Zeff; **Designer** Hazel Bennington; **Art Assistant** Liz Dixon; **Sub Editors** Robert Pickering, Keith Parish; **Researcher** Melanie Davis; **Contributors** Tim Heath, Henry Budgett, Brian Morris, Lisa Kelly, Steven Colwill, Richard King, Geoffrey Nairns; **Group Art Director** Perry Neville; **Managing Director** Stephen England; **Consultant** David Tebbutt; **Published by** Orbis Publishing Ltd; **Editorial Director** Brian Innes; **Project Development** Peter Brooksmith; **Executive Editor** Chris Cooper; **Production Co-ordinator** Ian Paton; **Circulation Director** David Breed; **Marketing Director** Michael Joyce; **Designed and produced by** Bunch Perworks Ltd; **Editorial Office** 85 Charlotte Street, London W1; © 1983 by Orbis Publishing Ltd; **Typeset by** Universe; **Reproduction by** Mullis Morgan Ltd; **Printed in Great Britain by** Artisan Press Ltd, Leicester

HOME COMPUTER COURSE — Price UK 80p IR £1.00 AUS \$1.95 NZ \$2.25 SA R1.95 SINGAPORE \$4.50 USA and CANADA \$1.95

How to obtain your copies of HOME COMPUTER COURSE — Copies are obtainable by placing a regular order at your newsagent.

Back Numbers UK and Eire — Back numbers are obtainable from your newsagent or from HOME COMPUTER COURSE, Back numbers, Orbis Publishing Limited, 20/22 Bedfordbury, LONDON WC2N 4BT at cover price. AUSTRALIA: Back numbers are obtainable from HOME COMPUTER COURSE, Back numbers, Gordon & Gotch (Aus) Ltd, 114 William Street, PO Box 767G Melbourne, Vic 3001. SOUTH AFRICA, NEW ZEALAND, EUROPE & MALTA: Back numbers are available at cover price from your newsagent. In case of difficulty write to the address in your country given for binders. South African readers should add sales tax.

How to obtain binders for HOME COMPUTER COURSE — UK and Eire: Please send £3.95 per binder if you do not wish to take advantage of our special offer: detailed in Issues 4, 5 and 6. EUROPE: Write with remittance of £5.00 per binder (incl. p&c) payable to Orbis Publishing Limited, 20/22 Bedfordbury, LONDON WC2N 4BT. MALTA: Binders are obtainable through your local newsagent or from HOME COMPUTER COURSE BINDERS, First Post Pty Ltd, 23 Chandos Street, St. Leonards, NSW 2066. The binders supplied are those illustrated in the magazine. NEW ZEALAND: Binders are available through your local newsagent or from HOME COMPUTER COURSE BINDERS, Gordon & Gotch (NZ) Ltd, PO Box 1595, Wellington. SOUTH AFRICA: Binders are available through any branch of Central Newsagency. In case of difficulty write to HOME COMPUTER COURSE BINDERS, Intermap, PO Box 57394, Springfield 2137.

Note — Binders and back numbers are obtainable subject to availability of stocks. Whilst every attempt is made to keep the price of the issues and binders constant, the publishers reserve the right to increase the stated prices at any time when circumstances dictate. Binders depicted in this publication are those produced for the UK market only and may not necessarily be identical to binders produced for sale outside the UK. Binders and issues may be subject to import duty and/or local taxes, which are not included in the above prices unless stated.