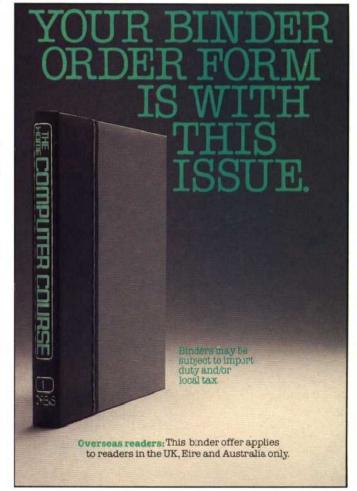
CONTENTS

Hardware	
Domestic Science You may be surprised to learn how many household appliances contain a microprocessor	106
Atari 400 & 800 These micros are leaders in the games market	109
Software	8
Charting The Course The best way of planning well-structured programs	104
Two's Company We discover how computers perform multiplication	119
Insights	1111
Computing Careers Entering the professional world of computing	101
The Missing Link Modems allow micros to communicate over telephone lines	108
Flat Spin Disk drives offer high-speed information retrieval and storage	114
Basic Programming	>
Braving The Elements We introduce subscripted variables	116
Passwords To Computing	?
Digital Dialogue The two-way flow of information between the computer and its peripherals	112
Pioneers In Computing	
Sir Clive Sinclair The man who has made computers accessible to almost everyone	120
Home Computer News A review of personal computers as seen at London's Barbican Centre	INSIDE BACK COVER

Next Week

- We look at the Dragon 32, a home computer successfully marketed by the Welsh **Development Agency, which** offers good facilities and excellent value for money
- From sand to circuit. We reveal the intricacies of chip manufacture
- In recent years the field of medicine has benefited considerably from the introduction of microprocessors





Editor Gareth Jefferson: Art Editor David Whelan: Production Editor Catherine Cardwell; Picture Editor Claudia Zeff; Designer Hazel Bennington: Art Assistants Steve Broadhurst, Julie-Anne Chambers, Liz Dixon; Sub Editor Teresa Eushell; Researcher Melanie Davis; Consultant Editor David Tebbutt; Project Manager Jimmy Egerton; Contributors Tim Heath, Roger Ford, Richard King, Henry Budgett, Nick Walsh, Ray Hammond, Garry Marshall, Rom Smith; Group Art Director Perry Neville; Managing Director Stephen England; Published by Orbis Publishing Ltd: Editorial Director Brian Innes; Project Development Peter Brookesmith; Executive Editor Chris Cooper; Production Co-ordinator lan Faton; Circulation Director David Breed; Marketing Director Michael Joyce; Designed and produced by Bunch Partworks Ltd; © 1963 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 Now to obtain your copies of HOME COMPUTER COURSE - Copies are obtainable ty placing a regular order at your newsagent.

Beck Numbers UK and Eire - Back numbers are obtainable from your newsagent or from HOME COMPUTER COURSE. Back numbers, Orbis Publishing Limited, 26/22 Bedfordbury, LONDON WCZN 4BT at cover price. AUSTRALIA: Back numbers are obtainable from HOME COMPUTER COURSE. Back numbers are obtainable from HOME COMPUTER COURSE. Back numbers are available at cover price from your newsagent. In case of difficulty write to the address in your country given to thing and readers should add sales tax.

How to obtain binders for NOME COMPUTER COURSE. UK and Eire: Please send £3.95 per binder (froit play) payable to 0rbis Publishing Limited, 20/22 Badfordbury, LONDON WCZN 4BT MALTA Binders are obtainable throughy your clean lewsagent price £3.95 in case of difficulty write to HOME COMPUTER COURSE BINDERS, First Post 2Py Ltd., 32 Chandos Street, St. Leonards, NSW 2665. The binders are available through any branch of Central Newsagency. In case of difficulty write to HOME COMPUTER COURSE BINDERS, First Post 2Py Ltd., 32 Chandos Street, St. Leonards, NSW 2665. The binders are available through any branch of Central Newsagency. In case of difficulty write to HOME COMPUTER COURSE BINDERS, Gordon & Goton (NZ) Ltd., P3 Box 1995. Wellington. SOUTH AFRICA: Binders are available through any branch of Central Newsagency. In case of difficulty write to HOME COMPUTER COURSE BINDERS, Gordon & Goton (NZ) Ltd., P3 Box 1995. Wellington. SOUTH AFRICA: Binders are available shipect to stocks. Whister was 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 Bin