APPLICATION



CHESS ON CHIPS We look at how one of the most popular board games has been programmed for home micros

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GOING DOTTY The first of a short series that takes an in-depth look at dot matrix printers

WISH FULFILMENT The Colour Genie is an inexpensive machine for all the family 309

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IN FORMATION Largely ignored by home micro owners, spreadsheets can be used for a variety of non-financial tasks

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MINESHAFT MANIA We look at a program that has taken the charts by storm

JARGON



FROM COLD START TO COMPILER A weekly glossary of computing terms

PROGRAMMING PROJECTS



RIDDLE OF THE SANDS We present a program that poses a sticky problem

RUN SILENT, RUN DEEP Our Subhunter project has reached its target

MACHINE CODE



THE GREAT DIVIDE We briefly look at how division is programmed, before rounding off this introductory section

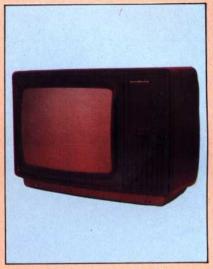
PROFILE



WELSH RARE BIT Dragon Data is one of the great success stories in the British microcomputing industry

Next Week

- · We compare some of the more popular television monitors used with home micros.
- Our machine code course begins a new section with an article about programming high resolution graphics on the Commodore 64. In future weeks, we will look at the Assembly languages used by other processors, such as the 6809 at the heart of the Dragons.
- A home computer operating on its own has limitations. By linking into networks, however, a wealth of possibilities materialise.



- 1) Why do the printer speeds specified by the manufacturers seem faster than those experienced by the user?
- 2) When a human player uses "brute force" in a game of chess it probably means kicking over the board. What does it mean to a computer?
- 3) What are the call addresses of the print routines on the Commodore 64, BBC Micro and Spectrum?
- 4) What connection is planned between the Welsh Dragon and its far eastern cousins?

Answers To Last Week's Quiz

A1) The variable H3 is set to zero and the bit that controls sprite three is reset to zero.

A2) AS(0,0) contains the header record and the number of files held on the tape.

A3) Because calculations are not performed on membership numbers.

A4) The X-axis is restricted by the width of the paper, which limits the plotting range to 480 steps.

COVER PHOTOGRAPHY BY MARCUS WILSON-SMITH

Editor Jim Lennox; Art Director David Whelan; Technical Editor Brian Morris; Production Editor Catherine Cardwell; Picture Editor Claudia Zeff; Sub Editor Robert Pickering; Designer Julian Dorr; Art Assistant Liz Dixon; Assistant Stephen Malone; Contributors Steven Colwill, Max Phillips, Matt Nicholson, Sue Jansons, Mike Wesley, Geoff Nairn, Martin Hayman, Rose Deakin, Richard Pawson; Group Art Director Perry Neville; Managing Director England; Published by Orbis Publishing Ltd: Editorial Director Brian Innes; Project Development Peter Brookssmith; Executive Editor Chris Cooper; Production Do-ordinator Ian Paton; Circuitation Director David Breed, Marketing Michael Joyce; Designed and produced by Bunch Partworks Ltd; Editorial Office 35 Charlotte Street, London W19 1LB; © APSIF Copenhagen 1984; © Orbis Publishing Ltd 1984; Typeset by Universe; Reproduction by Mullis Morgan Ltd In Groat Biritain by Artisan Press Ltd, Leicester

HOME COMPUTER ADVANCED 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 elitain your copies of HOME COMPUTER ADVANCED COURSE — Copies are obtainable by placing a regular order at your newsagent, or by taking out a subscription. Subscription rates: for six months (26 issues) £23.80; for one year (52 issues) £47.80. Send your order and remittance to Punch Subscription Services. Waiting Street, Bletchley, Milton Keynes, Bucks MK2 2BW, being sure to state the number of the first issue required.

Back Rumbers UK and Eire — Back numbers are obtainable from your newsagent or from HOME COMPUTER ADVANCED COURSE. Back numbers, Oribs Publishing Limited, 20/22 Bedfordbury, LONDON WC2N 4BT at cover price.

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.

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