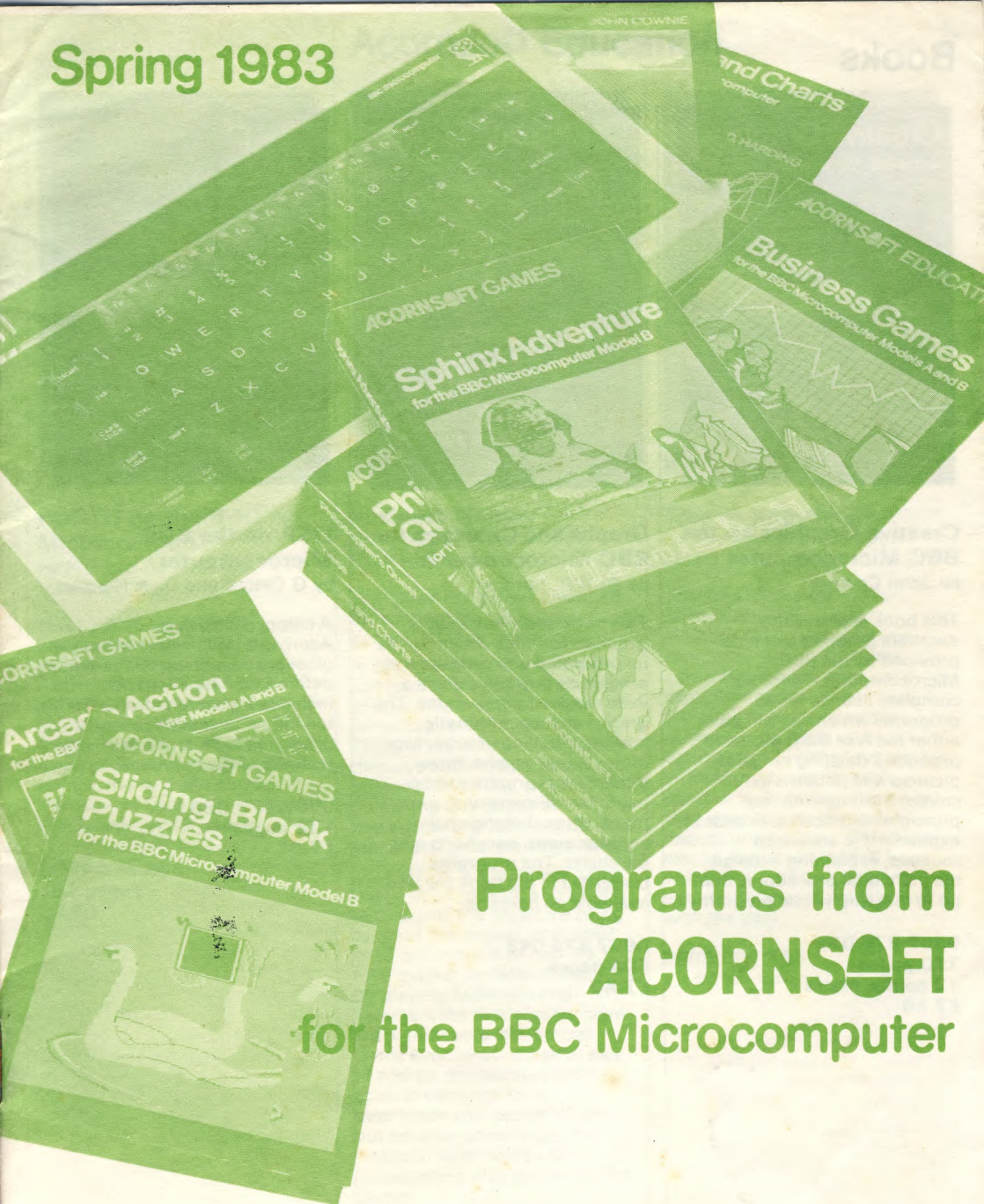


Spring 1983



# Programs from **ACORN** for the BBC Microcomputer

Distributed by



**John Wiley & Sons Limited**

Baffins Lane, Chichester, Sussex PO19 1UD, England



## Books

## Creative Graphics

on the BBC Microcomputer

## Graphs and Charts

on the BBC Microcomputer

# LISP

### on the 3BC Microcomputer

## Creative Graphics on the BBC Microcomputer

by John Cownie

This book explores the excellent graphics facilities provided by the BBC Microcomputer. There are complete listings for 36 programs which will run on either the A or the B Model to produce a dazzling range of pictures and patterns in full colour. Starting with first principles this book proceeds to explore more advanced routines, explaining in detail the individual procedures that go to make up whole programs.

**0907 876 03X**  
**110 pages**  
**12 colour plates**  
**£7.50**

## Graphs and Charts on the BBC Microcomputer

by Dr R.D. Harding

This book describes a set of graphics routines which can be incorporated into programs to present data graphically in a wide range of applications. The graphs include automatic scaling, labelling of axes, two-dimensional graphs, three-dimensional graphs, stereo pairs, two-dimensional contour maps, three-dimensional contour maps, bar charts and pie charts. The programs presented in the book are also available on cassette.

0907 876 048  
104 pages  
£7.50

## LISP on the BBC Microcomputer

by G Cattell and Dr A Norman

A comprehensive guide to Acornsoft LISP, with a complete glossary describing all the pre-defined LISP functions. It includes a general introduction to LISP, with several example programs to illustrate the features of the language.

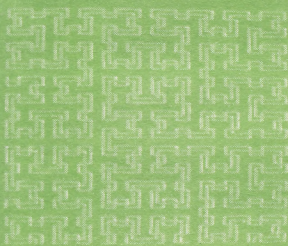
0907 876 080  
132 pages  
£7.50



## FORTH

on the BBC Microcomputer

RICHARD DE GRANDIS-HARRISON



### FORTH on the BBC Microcomputer

by Richard De Grandis-Harrison

This book serves as a general introduction to FORTH, and includes a full description of Acornsoft FORTH with a glossary defining the actions of all the standard words. The chapters are illustrated by many practical examples. The author, Richard de Grandis-Harrison, is Chairman of the UK FORTH Interest Group.

**0907 876 064**  
**154 pages**  
**£7.50**

ACORN~~SOFT~~ EDUCATION

## Business Games

for the BBC Microcomputer Models A and B



### Business Games

for the BBC Microcomputer Models A and B

Two business games designed for economics, business or general studies teaching.

In STOKMARK 1-8 players compete in buying and selling shares. The first to turn his initial capital of £1200 into £5000 is the winner. The screen displays information about shares such as you would find in the City pages of newspapers; prices, dividends, yields and price/earnings ratios

TELEMARK is a business game based upon making and selling televisions, the objective being to make the largest total profit or to win more than half the total market for televisions. By playing Stokmark and Telemark the participants learn the significance of financial terms such as purchase or sale of shares, dividends, yield, price to earnings ratio, overheads and depreciation, but no prior knowledge of financial terminology is necessary to play and enjoy the games.

**0405 000 081**  
**£9.95 (includes VAT)**

ACORN~~SOFT~~ EDUCATION

## Tree of Knowledge

for the BBC Microcomputer Model B



### Tree of Knowledge

for the BBC Microcomputer Model B

The Tree of Knowledge is an interactive program for children of all ages teaching categorisation. It illustrates some of the more practical aspects of computing in that the pupil first educates the computer, building up a database or "expert" system by answering the computer's questions, and the database is then used to play games of deduction and logic. Databases can be saved and loaded from within the program, and two sample databases are supplied with the pack.

**0405 000 154**  
**£9.95 (includes VAT)**



# Acornsoft Education (cont.)

ACORN<sup>®</sup>SOFT EDUCATION

## Algebraic Manipulation

for the BBC Microcomputer Models A and B

$$\frac{1 + \frac{1}{x-1}}{1 - \frac{1}{x+1}} (2x-y) \cdot (x+y)^2$$

$$\frac{1 + \tan^2 x}{1 + \cot^2 x} 64 \sin^4 x \cos^3 x$$

## Algebraic Manipulation

for the BBC Microcomputer Models A and B

This suite of four programs will perform a wide range of algebraic manipulations, and expressions can be symbolically differentiated or integrated. The pack is intended for use in mathematics teaching or research.

POLYNOM can expand, simplify, differentiate or integrate a polynomial expression into the equivalent polynomial.

RATIONAL can expand and simplify an expression of rational terms into the equivalent ratio of two polynomials, reduced to lowest terms.

TRIGONOM can expand, simplify, differentiate, or integrate, a trigonometric expression, including ratios of trigonometric terms, into the equivalent standard form.

FOURIER can perform trigonometric transformations into a linear combination of sines and cosines of integer multiples of  $x$ .

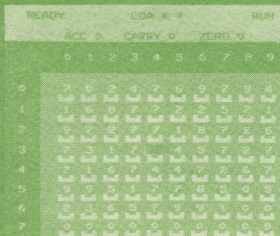
0405 000 049

£9.95 (includes VAT)

ACORN<sup>®</sup>SOFT EDUCATION

## Peeko-Computer

for the BBC Microcomputer Models A and B



## Peeko-Computer

for the BBC Microcomputer Models A and B

The Peeko-Computer simulates the operation of a simplified microcomputer in order to teach the fundamentals of machine-code programming. The Peeko-Computer has ten easily-learned instructions, and the display gives a visual analogy of the operation of a real microcomputer. Programs can be entered, single-stepped or run, with the memory and register contents being displayed at every step. To aid comprehension each instruction mnemonic is displayed as it is encountered. The Peeko-Computer comes complete with a 16-page instruction manual including exercises and examples, and the cassette includes five demonstration Peeko-Computer programs.

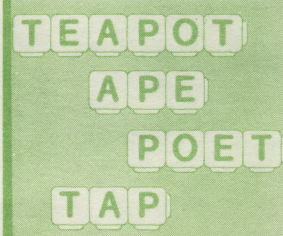
0405 000 057

£9.95 (includes VAT)

ACORN<sup>®</sup>SOFT/ESM EDUCATION

## Word Hunt

for the BBC Microcomputer Models A and B



## Word Hunt

for the BBC Microcomputer Model A and B

This pack contains four Word Hunt programs on cassette.

Each Word Hunt program contains a list of nine words. The object of the exercise is to select one word and then to try to create as many smaller words as possible from the selected word. The control over the selection of the word and the amount of time allowed for the exercise is given to the user in the "Teachers' Notes" section. Once these selections have been made the program can be used by up to 20 players and their performance stored for later recall.

0405 000 227

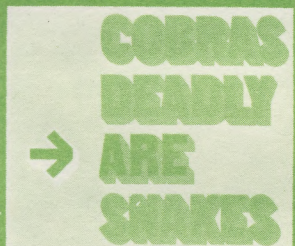
£11.90 (includes VAT)



ACORN<sup>®</sup>SOFT/esm EDUCATION

## Word Sequencing

for the BBC Microcomputer Models A and B



## Word Sequencing

for the BBC Microcomputer Models A and B

Proverbs/Nursery Rhymes/  
Sentences

This pack contains three  
Word Sequencing programs  
on cassette.

Each program presents a  
series of jumbled words  
which must be arranged to  
form either a proverb, nursery  
rhyme title or a sensible  
sentence. Words to be moved  
are first located and selected  
using the cursor right and  
cursor left keys. The words  
are then moved using the red  
f0 and f1 keys.

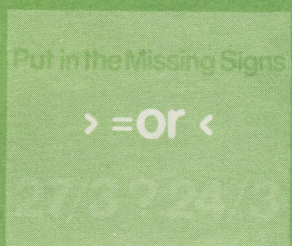
0405 000 235

£11.90 (includes VAT)

ACORN<sup>®</sup>SOFT/esm EDUCATION

## Missing Signs

for the BBC Microcomputer Models A and B



## Missing Signs

for the BBC Microcomputer Models A and B

Put in signs  
Addition/Subtraction  
Multiplication/Division

This pack contains three  
programs on cassette.

Put in the Signs provides the  
practice in addition, sub-  
traction, multiplication and  
division. Each exercise pre-  
sents the pupil with  
incomplete sums into which  
they must insert the sign  
which will make the  
calculation correct. If two  
incorrect attempts are made,  
the program provides the  
correct answer.

The two Missing Signs  
programs present addition  
and subtraction equations  
which have the balancing or  
multiplication and division  
sign missing. The child must  
calculate both sides of the  
equation and decide whether  
the missing sign is greater  
than (i.e.>) or less than (i.e.<)  
or equal to (i.e.=). The  
equations contain one and  
two digit numbers.

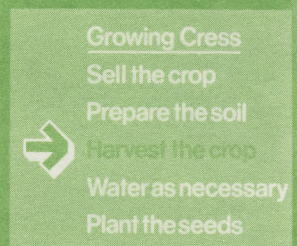
0405 000 243

£11.90 (includes VAT)

ACORN<sup>®</sup>SOFT/esm EDUCATION

## Sentence Sequencing

for the BBC Microcomputer Model B



## Sentence Sequencing

for the BBC Microcomputer

Get in Order Nursery Rhymes

This pack contains two  
Sentence Sequencing pro-  
grams on cassette.

Each program presents a  
series of jumbled sentences  
which must be re-arranged to  
form a nursery rhyme or a  
logical sequence of sen-  
tences. Sentences to be  
moved are first located and  
selected using the cursor up  
and cursor down keys.

The "Teachers' Notes" give  
the user control over the  
length of time that a child  
works. Once the time is  
selected, up to 20 children  
can use the program and  
their results will be stored for  
later recall.

0405 000 251

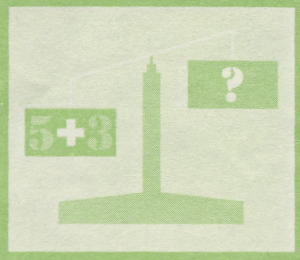
£11.90 (includes VAT)



ACORN~~SOFT~~/esm EDUCATION

## Number Balance

for the BBC Microcomputer Model B



## Number Balance

for the BBC Microcomputer Model B

Addition/Subtraction  
Multiplication/Division

This pack contains two programs on cassette. Balance is a pictorial program for practising simple mathematical operations for numbers 1 to 20.

The object of the exercise is to make a balance level by imputing the correct missing number into one side of a simple equation. Incorrect answers will tilt the balance in the appropriate direction; after three incorrect attempts the program responds with the correct answer.

The balance programs offer a high degree of user control over the exercises presented to the child. "Teachers' Notes" which appear at the beginning of each program give the user the opportunity to set the layout, difficulty, content and timing of the exercise before the child begins.

0405 000 26X

£11.90 (includes VAT)

ACORN~~SOFT~~ GRAPHICS

## Creative Graphics

for the BBC Microcomputer Models A and B



## Creative Graphics

for the BBC Microcomputer Models A and B

36 programs on cassette producing a spectacular range of pictures and patterns in full colour, including animated pictures, recursively-defined curves, and rotating three-dimensional shapes. A full discussion of the techniques and principles involved plus program listings are given in the book 'Creative Graphics on the BBC Microcomputer', available separately.

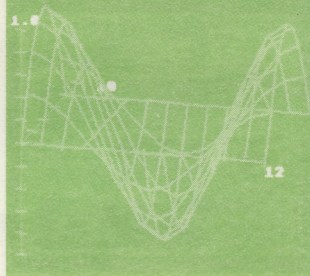
0405 000 022

£9.95 (includes VAT)

ACORN~~SOFT~~ GRAPHICS

## Graphs and Charts

for the BBC Microcomputer Models A and B



## Graphs and Charts

for the BBC Microcomputer Models A and B

The programs on this cassette produce a set of graphics routines which can be incorporated into programs to present data graphically in a wide range of applications. The graphs include automatic scaling, labelling of axes, and use of colours. Routines are included to draw two-dimensional graphs, three-dimensional graphs, stereo pairs, two-dimensional contour maps, three-dimensional contour maps, bar charts and pie charts.

Complete listings and detailed explanations of the programs are given in the book 'Graphs and Charts on the BBC Microcomputer'; although sold separately we recommend the use of the book with this cassette.

0405 000 030

£9.95 (includes VAT)



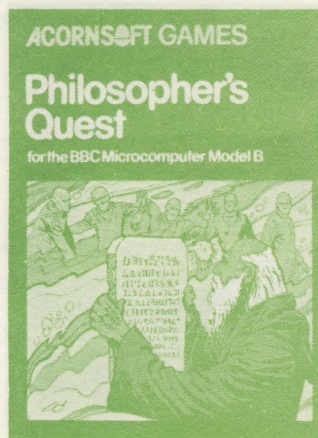
**£9.95** (includes VAT)

**£16.85** (includes VAT)

**£16.85** (includes VAT)



# Acornsoft Games

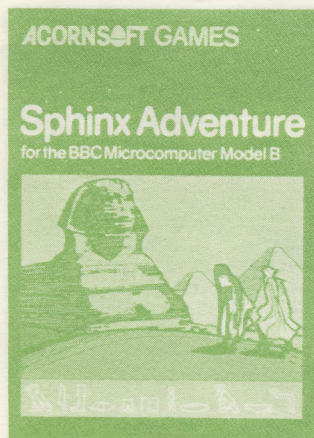


## Philosopher's Quest

for the BBC Microcomputer Model B

An advanced Adventure in which you tell the computer what you want to do, and it describes in plain English your progress through a fascinating world full of fiendish puzzles to be solved. To complete your quest you need to think hard about everything you do!

**0405 000 12X**  
**£9.95** (includes VAT)

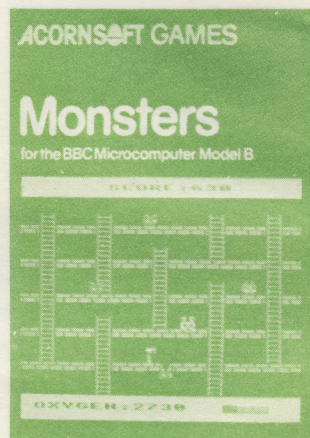


## Sphinx Adventure

for the BBC Microcomputer Model B

A full-sized classic adventure game in which you move through caves, fight with trolls, collect treasure, and finally make your way to the sphinx to collect your reward.

**0405 000 103**  
**£9.95** (includes VAT)



## Monsters

for the BBC Microcomputer Model B

Pursued by monsters your man is chased up and down ladders and along walls; the only hope of survival is to dig holes in the walls and trap the monsters by filling them in. Score more by dropping the monsters through several levels, but watch your oxygen level. With sound effects and high score.

**0405 000 146**  
**£9.95** (includes VAT)

Due for release shortly . . . .

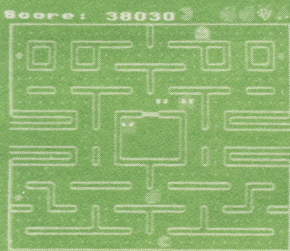
**Flight Simulation ■ Castle of Riddles ■ Super Defender**  
**Starship Command ■ Snooker ■ Missile Command**



ACORN SOFTWARE GAMES

## Snapper

for the BBC Microcomputer Model B



### Snapper

for the BBC Microcomputer Model B

This colourful game is a superb example of the best in games entertainment. Guide the Snapper through the maze eating dots and fruit and avoiding the creatures that chase you. The game gets progressively faster, and with higher scores as the fruit increase in value. Complete with full sound effects, score, and a ladder of high scores.

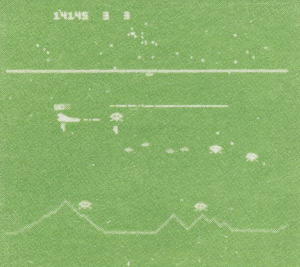
0405 000 111

£9.95 (includes VAT)

ACORN SOFTWARE GAMES

## Planetoid

for the BBC Microcomputer Model B



### Planetoid

for the BBC Microcomputer Model B

No compromises have been made in developing this amazing fast-action graphics game. Save the life-forms from their attackers and return them safely to their planetoid while trying to fend off five kinds of hostile space-beings. Complete with sound effects, Hi-score, and hyperspace jump.

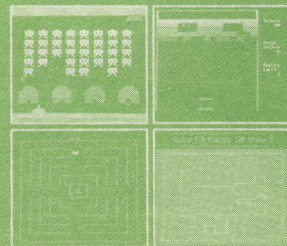
0405 000 138

£9.95 (includes VAT)

ACORN SOFTWARE GAMES

## Arcade Action

for the BBC Microcomputer Models A and B



### Arcade Action

for the BBC Microcomputer Models A and B

Four games in one pack for a variety of entertainment:

**INVADERS** – fight off the waves of advancing aliens while dodging behind four shelters to avoid being hit by their missiles. The closer they get the faster they move and the thicker the hail of missile fire.

**BREAKOUT** – an all-time favourite where you knock bricks out of a multicoloured wall. There are seven variations on the standard game, including progressive walls and captive balls.

**DODGEMS** – your racing car has to outwit the computerised car which is programmed to crash into you. You have the advantage of acceleration, but must keep switching lanes to avoid a head-on collision.

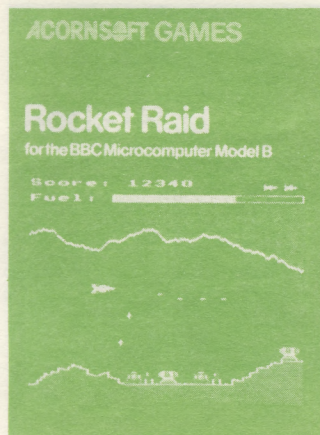
**SNAKE** – guide the hungry snake towards its prey and watch it grow as it consumes different kinds of food. The idea of the game is to score as many points as possible while preventing the snake from bumping into itself or the walls as it gets longer and longer . . .

0405 000 09X

£11.65 (includes VAT)



# Acornsoft Games (cont.)



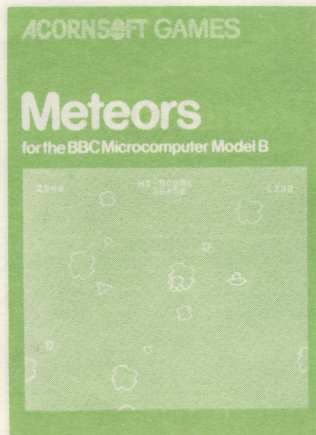
## Rocket Raid

for the BBC Microcomputer Model B

Your mission is to raid a heavily-guarded Martian fuel depot; fly your rocket over mountains and through caverns avoiding enemy missiles and dodging convoys of deadly fizzers. You have to bomb fuel tanks to replenish your fuel.

0405 000 200

£9.95 (includes VAT)



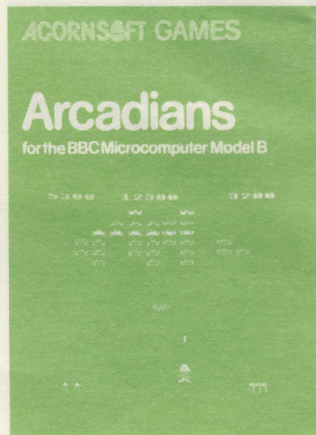
## Meteors

for the BBC Microcomputer Model B

Manoeuvre your laser-ship through a hail of meteors smashing them with your laser bolts as they hurtle towards you on all sides. Avoid being hit by the missiles from hostile flying saucers which fire at you as they pass. Your ship is equipped with as many laser bolts as you can fire and as a last resort you can escape through hyperspace. Complete with sound effects and table of Hi-scores.

0405 000 197

£9.95 (includes VAT)



## Arcadians

for the BBC Microcomputer Model B

A fast-moving arcade-style space game, your task being to demolish an onslaught of warring aliens. Your laser-base moves along the surface of the planet while above you the arcadians fly in formation. Without warning, some of them suddenly swoop down towards you dropping bombs.

You are awarded a flag for each screen cleared, and the game gets harder as you progress. Arcadians is a challenging game, even for the expert player! Complete with music and full sound effects.

0405 000 199

£9.95 (includes VAT)



ACORN<sup>®</sup>SOFT GAMES

## Sliding-Block Puzzles

for the BBC Microcomputer Model B



### Sliding-Block Puzzles

for the BBC Microcomputer  
Model B

The Sliding-Block Puzzle is based on the "14-15 Puzzle" invented by Sam Lloyd in the last century when it was the popular equivalent of today's Rubik Cube. On this cassette are six Sliding-Block Puzzles: Alphabet, Numbers, Sunscape, Logo, Pattern, Swans. You can choose how many shuffling moves are made before attempting to solve it, and the computer will tell you how long you take, how many moves you make, and will actually solve it for you if you get absolutely stuck.

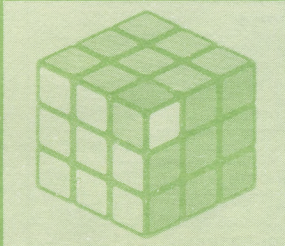
0405 000 170

£9.95 (includes VAT)

ACORN<sup>®</sup>SOFT GAMES

## Cube Master

for the BBC Microcomputer Model B



### Cube Master

for the BBC Microcomputer  
Model B

Rubik Cube enthusiasts will welcome this addition to our range: you can choose the number of shuffling moves made to a completed cube, and then try to solve it. The computer will keep track of the time and tell you how many moves you make. What is special about this program is that it will also solve the cube of your choice: you colour in a cube on the screen to match the cube you are trying to solve, and then let the program take you through the solution at your chosen speed. Illegal configurations will be spotted and dealt with.

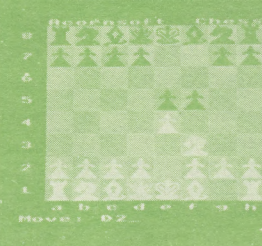
0405 000 162

£9.95 (includes VAT)

ACORN<sup>®</sup>SOFT GAMES

## Chess

for the BBC Microcomputer Model B



### Chess

for the BBC Microcomputer  
Model B

A complete chess-playing program with a high-resolution graphics display of the board, and the following features.

- \* 6 levels of play, giving novice to professional standards
- \* Computer moves in two seconds at lowest level
- \* Board display with coordinate entry of moves, and rejection of illegal moves
- \* Computer and human castling
- \* En-passant captures allowed and played by computer
- \* Clock display for tournament chess

0405 000 154

£9.95 (includes VAT)



# Order Form

## Books

.....090787603X	<b>Cownie</b>	Creative	£7.50
.....0907876048	<b>Harding</b>	Graphs	£7.50
.....0907876080	<b>Cattell</b>	Lisp	£7.50
.....0907876064	<b>de Grandis-Harrison</b>	Forth	£7.50

## Software (all prices include VAT)

.....0405000081	Business Games	£9.95
.....0405000154	Tree of Knowledge	£9.95
.....0405000049	Algebraic Manipulation	£9.95
.....0405000057	Peeko-Computer	£9.95
.....0405000227	Word Hunt	£11.90
.....0405000235	Word Sequencing	£11.90
.....0405000243	Missing Signs	£11.90
.....0405000251	Sentence Sequencing	£11.90
.....040500026X	Number Balance	£11.90
.....0405000022	Creative Graphics	£9.95
.....0405000030	Graphs and Charts	£9.95
.....0405000014	Desk Diary	£9.95
.....0405000073	Lisp	£16.85
.....0405000065	Forth	£16.85
.....040500012X	Philosopher's Quest	£9.95
.....0405000103	Sphinx Adventure	£9.95
.....0405000146	Monsters	£9.95
.....0405000111	Snapper	£9.95
.....0405000138	Planetoid	£9.95
.....040500009X	Arcade Action	£11.65
.....0405000200	Rocket Raid	£9.95
.....0405000197	Meteors	£9.95
.....0405000199	Arcadians	£9.95
.....0405000170	Sliding-Block Puzzles	£9.95
.....0405000162	Cube Master	£9.95
.....0405000154	Chess	£9.95

ALL PRICES CORRECT AT TIME OF GOING TO PRESS BUT SUBJECT TO CHANGE

To your Bookseller:—

or: John Wilson,  
**John Wiley & Sons Limited,**  
Baffins Lane,  
Chichester,  
Sussex PO19 1UD,  
England.  
Telephone: (0243) 784531  
Telex: 86290  
Registered No. 641132 England

## POSTAGE AND HANDLING FREE FOR CASH WITH ORDER OR PAYMENT BY CREDIT CARD

☐ Payment enclosed ..... Allow approx. 14 days for delivery

☐ Please charge this order to my credit card (All orders subject to credit approval)

Delete as necessary:- AMERICAN EXPRESS, DINERS CLUB,  
BARCLAYCARD/VISA, ACCESS

CARD NUMBER:-

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Expiration date

Telephone your credit card order -

(0243) 829121, Customer Service Dept.

NAME/ADDRESS .....

OFFICIAL ORDER No. ....

SIGNATURE .....

☐ Please send me an invoice for prepayment. A small postage and handling charge will be made. We will refund your payment without question if you return any unwanted title to us in re-saleable condition within 30 days.

☐ Please keep me informed of new titles in my subject area which is .....