# *A*rchimedes

# SOFTWARE
# APPLICATIONS
# CATALOGUE

BRITISH
BROADCASTING
CORPORATION

# Acorn
The choice of experience.

# *A*rchimedes

# SOFTWARE
# APPLICATIONS
# CATALOGUE

Archimedes 300 Series - the latest generation of British Broadcasting Corporation Microcomputers

Archimedes 400 Series - the new range of Acorn Computers

SECOND EDITION JUNE 1987

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*Note that British Broadcasting Corporation has been abbreviated to BBC in this publication.*

*APP118a*

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# Acornsoft
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# Productivity Tools

## Products adapted to run under the 6502 Emulator

| | |
|---|---|
| *Product :* | *VIEW* |
| *Stock code :* | *SKM31* |
| *Available :* | *now* |

VIEW is an award-winning word processor with advanced facilities designed to help both the professional user and the beginner to create high-quality documents.

| | |
|---|---|
| *Product :* | *ViewSheet* |
| *Stock code :* | *SKM07* |
| *Available :* | *now* |

ViewSheet is a flexible electronic spreadsheet that can be used in a multitude of different applications such as cash flow forecasts, sales analysis, resource planning or personal finances.

| | |
|---|---|
| *Product :* | *ViewStore* |
| *Stock code :* | *SKM27* |
| *Available :* | *now* |

ViewStore is a powerful general purpose database manager which has uses ranging from mailing lists and stock control to library catalogues and hobby collections.

| | |
|---|---|
| *Product :* | *ViewSpell* |
| *Stock code :* | *SKM28* |
| *Available :* | *now* |

ViewSpell is an automatic spelling checker which enables the production of error-free documents.

| | |
|---|---|
| *Product :* | *ViewIndex* |
| *Stock code :* | *SKM17* |
| *Available :* | *now* |

ViewIndex is an indexing utility for creating an alphabetically ordered index and for noting each page or section number where the reference occurs.

These products are all available to run on Archimedes using the 6502 Emulator. The View family will be familiar to B, Master and Compact aficionados as the definitive productivity toolkit, encompassing word processing, spreadsheet "what if" calculations and powerful database storage and retrieval facilities.

For those users who want to be able to use these familiar tools whilst exploring the new and exciting world of Archimedes, the View family provides the answer.

## New products

*Product :*        *View Professional*
*Stock code :*    *SKB04*
*Available :*      *November 1987*

View Professional, is THE complete integrated word processing package. It has been substantially enhanced to take full advantage of the new freedom, features and functionality of Archimedes.

Amongst its repertoire of features are ...

Spreadsheet and database facilities

Full integration with the Windowing environment

Full integration with the Archimedes Fonts

Choice of style by simply using pop-up menus

Versatile extendability covering a whole range of add-on modules

Flexible use of keyboard, mouse and programmable function keys

Full use of available memory

Upward compatibility and portability across the Archimedes range.

*Product :*        *Logistix*
*Stock code :*    *SKB20*
*Available :*      *September 1987*

Logistix is the popular PC package for busy people who need fast answers to "what if" questions.

Logistix incorporates :

Spreadsheet with a range of mathematical, logical, statistical and financial functions.

Database with sort, insert and delete for fields and records

Timesheet facility using information stored in the database.

Graphics, including bar charts, line and area graphs, Gantt charts, scatter graphs, spread graphs and pie charts.

# Languages

## Products adapted to run under the 6502 Emulator

*Product :*        *Comal*
*Stock code :*      *SKM19*
*Available :*       *now*

COMAL is a general purpose language which has been chosen as the educational standard in many European countries. It includes a number of features which encourage well-structured programming and facilitate debugging and maintenance of software.

## New products

*Product :*        *Ansi C*
*Stock code :*      *SKL28*
*Available :*       *September 1987*

*Product :*        *ISO-Pascal*
*Stock code :*      *SKL38*
*Available :*       *September 1987*

*Product :*        *Fortran 77*
*Stock code :*      *SKL48*
*Available :*       *September 1987*

Ansi C, ISO-Pascal and Fortran 77 are the spearhead, high level languages for Archimedes software developers and programmers who want to get the most from their hardware. All three languages have been implemented according to the latest standard, ie Ansi draft for C, BS 6192 for Pascal and ANSI X3.9 for Fortran.

*Product :*        *Software Developer's Toolbox*
*Stock code :*      *SKL58*
*Available :*       *November 1987*

The Software Developer's Toolbox is a collection of essential utilities such as Diffs (allows text and binary file compare), Twin (a comprehensive editor) and Assembler for advanced programming on Archimedes. It also includes the Linker for linking compiled programs.

| | |
|---|---|
| *Product :* | *Software Developer's Debug Tool* |
| *Stock code :* | *SKL64* |
| *Available :* | *November 1987* |

The Software Developer's Debug Tool is a debugging tool for C, Pascal and Fortran at the source code level. It provides a common format across the three languages for trace and fault diagnosis.

| | |
|---|---|
| *Product :* | *Prolog X* |
| *Stock code :* | *SKL68* |
| *Available :* | *September 1987* |

| | |
|---|---|
| *Product :* | *Cambridge Lisp* |
| *Stock code :* | *SKL14* |
| *Available :* | *September 1987* |

Prolog X and Cambridge Lisp are the languages of choice for Artificial Intelligence developers. Coupled with the power of the Archimedes range, these languages represent the best value for money for scientists, programmers or teachers seeking to perform AI research and construct knowledge-based systems.

# Terminal Emulators

## New products

| | |
|---|---|
| *Product :* | *Termulator for the Archimedes* |
| *Stock code :* | *SKC23* |
| *Available :* | *December 1987* |

Termulator is a DEC VT220 emulator for Archimedes, which allows you to run your Archimedes as if it were a VT220 terminal and still have the full power of Archimedes at your disposal, when your terminal session is completed.

| | |
|---|---|
| *Product :* | *Acom* |
| *Stock code :* | *SKC10* |
| *Available :* | *December 1987* |

Acom is a full Prestel emulator for Archimedes, which allows you to connect to any of the recognised Viewdata services such as Micronet and Telecom Gold. It includes full editor facilities and is implemented to the emerging CEPT standard for Europe.

*Product :*　　　*Atel*
*Stock code :*　*SKC21*
*Available :*　　*December 1987*

Atel is a full Viewdata host system for Archimedes. It is implemented to the emerging CEPT standard and includes private mailbox, keyword search, up to five bulletin boards and an "answering page" facility for applications such as teleshopping.

# Games

## New products

*Product :*　　　*Zarch*
*Stock code :*　*SKG13*
*Available :*　　*September 1987*

Zarch is a fully extended version of the exciting game included on the Welcome disc. It includes a sophisticated radar detection mapping system for pinpointing the enemy spaceships (before they pinpoint you). Your mission is to protect and defend your territory against all intruders and prevent any intruder from capturing vital supplies.

# Third Party
# Applications
# Software

# New products for the Archimedes System

*Supplier:*      *Advanced Memory Systems*
*Product:*      *Finesse Paint*
*Available:*      *October 1987*

Finesse Paint is an art program and is the first in a range of software products for Archimedes which will develop into an integrated system including 3D CAD, Business Graphics, Maths Graphics and others. The program is based around a unique tablet-graphic environment and enables a real-time window system to be used. Output from Finesse Paint can be dot for dot on dot matrix or laser printers.

*Supplier:*      *Smalltalk Express*
*Product:*      *Little Smalltalk*
*Available:*      *June 1987*

The "Little Smalltalk" package consists of a book "A Little Smalltalk" by Timothy Budd and the software. Based on Smalltalk-80, this implementation embodies most of the features of the object-oriented paradigm and includes all the sources from which the software has been compiled. Smalltalk 80, which runs on such workstations as Tektronix, Sun and Apollo has been the basis of the creation of many complex computer applications. The world of Smalltalk comprises objects, all of which are encapsulations of code and data. Each object has the facility to inherit messages from other objects within its class hierarchy and is one of the contributing factors helping to keep the lowest level of detail away from the designer, allowing more time to be spent on the problem rather than on the tools available.

All Minerva products listed below are fully compatible, in both directions, with System Delta files for previous BBC microcomputers.

*Supplier:*      *Minerva Systems*
*Product:*      *DeltaBase*
*Available:*      *June 1987*

General Database. Over 8000 records, 255 fields, 256 subsets. Extensive searching, maths, sort, etc. using any expressions.

*Supplier:*      *Minerva Systems*
*Product:*      *System DeltaPlus*
*Available:*      *September 1987*

Fully programmable Database Management System. Up to 2 billion records and 16 million fields. Powerful WIMP database allows search selection from within windows. Unrivalled,

*Supplier:*       *Minerva Systems*
*Product:*       *SuperDelta*
*Available:*      *December 1987*

The ultimate Data Management System where even the internal workings are definable. Includes several utilities, eg. advanced data handling and soundex searching. Contains the facility to write applications using a fourth generation language.

*Supplier:*       *Minerva Systems*
*Product:*       *GammaPlot*
*Available:*      *September 1987*

General Graphics program. Anyone can produce stunning graphics/charts. Data entry via keyboard or any Delta/Gamma/Sigma file. Multiple charts on screen, pie, scatter, line, hist, etc. On-screen editor.

*Supplier:*       *Minerva Systems*
*Product:*       *System GammaPlus*
*Available:*      *October 1987*

Fully programmable Graphics Management System. Multiple charts on screen, definable scaling and screen format, screen editor for presentation. Pie, line, hist, scatter, bubble, %bar, cheese, area charts, cumulative/overlays, function plotting, etc. Statistics. Three-dimensional charting. Macros for greater flexibility in presentation.

*Supplier:*       *Minerva Systems*
*Product:*       *System Sigma*
*Available:*      *Mid-1988*

Fully programmable Spreadsheet Management System.

*Supplier:*       *Minerva Systems*
*Product:*       *Reporter*
*Available:*      *August 1987*

User Definable Reports. Output entire file or only those matching specified criteria. Sub totals, sub-sub-totals, averages, etc.

| Supplier: | Minerva Systems |
| Product: | Orders/Invoicing (*) |
| Available: | September 1987 |

Definable invoice layout. Varied discounts. Process and store mail order AND credit customer details. Links to Stock and Sales Ledger.

| Supplier: | Minerva Systems |
| Product: | Sales Ledger (*) |
| Available: | September 1987 |

Invoices, Statements, Analysis, Graphs, Many reports, Credit controller facility for letters to overdue customers. Links to Invoicing and Nominal Ledger.

| Supplier: | Minerva Systems |
| Product: | Stock Management (*) |
| Available: | September 1987 |

Stock Control and Management. Suggested levels and economic order quantities. Prints. Purchase Orders. Graphs. ABC/Pareto analysis. Links to Invoicing and Purchase Ledgers.

| Supplier: | Minerva Systems |
| Product: | Purchase Ledger (*) |
| Available: | September 1987 |

Monitors purchases, Analysis, Suggested payments, Remittance Advices, Control reports. Links to Stock and Nominal Ledger.

| Supplier: | Minerva Systems |
| Product: | Nominal Ledger (*) |
| Available: | September 1987 |

Full management of Cashbook, Profit and Loss and Balance Sheet. Definable accounts, Management ratio analysis, Outputs to Spreadsheet. Links with Sales and Purchase Ledgers.

| Supplier: | Minerva Systems |
| Product: | School Administrator (*) |
| Available: | October 1987 |

Definable pupil records, class lists, full analysis, internal/external exam entries.

| Supplier: | Minerva Systems |
|---|---|
| Product: | Timetabling (*) |
| Available: | Mid-1988 |

Determines school timetables allowing for class, teacher and pupil availability.

| Supplier: | Minerva Systems |
|---|---|
| Product: | Hotelier (*) |
| Available: | November 1987 |

Full Hotels Management, Advanced bookings, Bills, Mail list, Extensive reports.

| Supplier: | Minerva Systems |
|---|---|
| Product: | Video Rental (*) |
| Available: | November 1987 |

Video Shop Management for full control of customers and videos. Extensive reports, bills.

| Supplier: | Minerva Systems |
|---|---|
| Product: | Newsagent (*) |
| Available: | December 1987 |

Comprehensive management of customer accounts, paper rounds, orders and receipts of newspapers/periodicals. Sales graphs.

| Supplier: | Minerva Systems |
|---|---|
| Product: | Ancestry (*) |
| Available: | December 1987 |

For genealogy in families or pedigree animals. Fully definable records.

(*) These products are all System Delta applications requiring System DeltaPlus or SuperDelta to run.

| Supplier: | BBC Soft |
|---|---|
| Product: | ArcWord |
| Available: | October 1987 (prov.) |

A powerful, but easy-to-use, 32-bit word processor which allows the user to create any document from a memo to an entire book, complete with graphics, fonts, highlighting, etc. Fully BBC-SFF*

compatible.

| | |
|---|---|
| *Supplier:* | *BBC Soft* |
| *Product:* | *ArcComm* |
| *Available:* | *October 1987 (prov.)* |

A comprehensive terminal package that will access VT52, VT100, and TEK4010 scrolling systems, as well as PRESTEL, TELETEL, and CEPT 3 VIEWDATA SYSTEMS. You can set up your own list of databases with all the necessary settings and telephone numbers. ArcComm uses the standard BBC modem drivers. Fully BBC-SFF* compatible.

* NB. BBC-SFF stands for 'BBC Standard File Format', a new format that allows different programs to read each other's files. BBC-SFF was developed by the BBC and Acorn Computers Limited.

| | |
|---|---|
| *Supplier:* | *RESOURCE* |
| *Product:* | *Oscar* |
| *Available:* | *TBA* |

This is a complete package of software and a specially designed podule which turns the computer into a sophisticated storage oscilloscope. The computer can measure analogue signals with the sampling rate of at least 50 KHz. It can compare traces, present them in a variety of graphical forms and store them for future use. An essential instrument for the science laboratory.

| | |
|---|---|
| *Supplier:* | *RESOURCE* |
| *Product:* | *Modula* |
| *Available:* | *TBA* |

The Archimedes is a powerful computer with a window environment. If you want to create your own file handling programs and business case studies without doing your own programming, then Modula is the package for you. It consists of a series of software modules which can be fitted together to create your own custom-built program. Just to show it works Modula includes three case studies - pay roll, stock control and order processing.

| | |
|---|---|
| *Supplier:* | *Clares Micro Supplies* |
| *Product:* | *Alpha-Base* |
| *Available:* | *September 1987* |

This is a powerful mouse-driven database that has been written to maintain upwards compatibility with files from Beta-Base and ViewStore. The database has some very powerful new facilities and embodies many suggestions made by users of previous Clares products.

It will have multiple screens per record with user-defined layout of the fields. Input can be limited to any range on any field and a new data type allows the use of formulae so that fields can be calculated from other fields. Searching and sorting incorporate speed and flexibility. A sequential search allows use of all of the disc for data.

*Supplier:*        *Clares Micro Supplies*
*Product:*         *Archimedes Toolkit Module*
*Available:*       *September 1987*

The Toolkit Module provides memory editing, searching, disassembly etc. Memory can be viewed in binary, hex, words (not text), mnemonics and text. All editors are in 80 columns and allow scrolling forwards and backwards at normal or fast speed. There are facilities to shift or compare blocks of memory and also to output memory to a printer using any of the above formats. There are also ADFS editors, searches etc. for both formats. Another section will deal with the machine using commands to display the environment etc. Utilities for use with BASIC will also be provided as will a section dealing with the machine environment.

*Supplier:*        *Clares Micro Supplies*
*Product:*         *Art Package*
*Available:*       *September 1987*

The Art Package allows the user to design graphics screens in 16 colours using the maximum available screen area. It provides a powerful zoom for fine detail and many other facilities pioneered by Clares. Powerful printer dumps are included. The package can also be used as a super sprite editor with varying levels of magnification available up to eight times the normal.

*Supplier:*        *Argonaut*
*Product:*         *Space Adventure Game*
*Available:*       *October 1987*

A game with 3D solid graphics. Very fast, smooth action. More action on planet Novenia.

*Supplier:*        *Computer Concepts*
*Product:*         *Disc Doctor II*
*Available:*       *August 1987*

This is a programmer's utility much along the lines of the original Disc Doctor but now running under the WIMP environment. It includes things such as memory editors, disassembler, disc sector editors, memory search and general file manipulation routines.

*Supplier:*         *Computer Concepts*
*Product:*         *Word Processor*
*Available:*      *October 1987*

Computer Concepts present an extremely powerful comprehensive Word Processor with many DTP features. It runs under the Acorn WIMP and uses the fancy fonts etc. Features include multiple on-screen columns, multi-line headers and footers, on-screen font and style changes and a built-in, 60000-word spelling checker with check-as-you-type feature. To be supplied on ROM.

*Supplier:*         *Beebug Ltd*
*Product:*         *The Beebug Modem*
*Available:*      *TBA*

A modem podule designed especially for the Archimedes computers.

*Supplier:*         *Beebug Ltd*
*Product:*         *Command*
*Available:*      *TBA*

The latest in communication software featuring Viewdata and text terminals (for Prestel, Electronic mail etc.) and a host mode for auto-answering of incoming calls. Telephone directories for auto-dialling, protocols of X modem and Kermit and terminal emulations of VT52 and VT100 are also included.

*Supplier:*         *Scetlander*
*Product:*         *Bearings Suite A*
*Available:*      *July 1987*

A suite of three programs designed to give children confidence in and consolidate their understanding of left and right orientation. The suite progresses to simple route planning, working out a destination following a given route using the commands left or right.

*Supplier:*         *ESM*
*Product:*         *Supastore*
                    *(Master Compact version runs under the 6502 Emulator)*
*Available:*      *July 1987*

Supastore is an easy-to-use database including the following features: over 3500 records with up to 250 fields a record. It is quick to search and there is a sample database included. It can be used for school record keeping, for cataloguing library books, for mailing lists and for other information storage and retrieval activities.

# Products adapted to run under the 6502 Emulator

| | |
|---|---|
| *Supplier:* | *RESOURCE* |
| *Product:* | *Castle Pack* |
| *Available:* | *Late 1987* |

This is a pack of resource material for the teacher. The contents of the pack, suitable for children who have a reading age of 9+, are such that there is sufficient material for an average class of 30 pupils to be occupied on the project for at least half a term.

The accompanying datafile program shows that there were 67 people in the castle on the date in question. The pupils' work-sheets provide activities relating to this datafile program and if they complete all the enquiries suggested they will build up a great deal of knowledge about the Castle and its inhabitants and life in these times.

| | |
|---|---|
| *Supplier:* | *RESOURCE* |
| *Product:* | *Cateby Manor* |
| *Available:* | *Late 1987* |

This pack follows on from and complements the successful CASTLE pack. It is a resource pack aimed at allowing primary children to explore a Norman Manor in the year 1086.

The pack consists of three programs: Cateby Manor: A database of the manor's population (including a sophisticated graphs pack). Cateby Map: A screen map which allows children to search Cateby for additional information in text and/or pictures and also to search the village by input of their own keywords. Cateby Words: A supplementary vocabulary program.

| | |
|---|---|
| *Supplier:* | *RESOURCE* |
| *Product:* | *Control IT* |
| *Available:* | *Late 1987* |

Control IT is a self-contained program which enables users to create their own 'logo type' procedures for computer control. It comes with comprehensive documentation.

The package is powerful and allows the build-up of complex programs but it can start off very simply with small procedures like:
```
REPEAT
FORWARD A,B
UNTIL SWITCH (7)=0
HALT A,B
```
which could send a small vehicle forward until it hits a switch.

*Supplier:*      *RESOURCE*
*Product:*       *DIY Base*
*Available:*     *Late 1987*

DIYbase is a database creator. It is designed for creating stand-alone, dedicated databases. For example, the user may decide to create a database to perform a study of breeds of dog. DIYbase can be used to create a database shell specifically for this. Once that structure has been created any number of files may be developed using that program shell.

DIYbase is a versatile software tool for use with children from age seven and upwards. Its facilities include the ability to create graphs and charts as well as to perform simple mathematical operations and calculations.

*Supplier:*      *RESOURCE*
*Product:*       *Domesday Database*
*Available:*     *Late 1987*

This database has been designed to allow schools to use local Domesday data collected as part of the BBC Domesday Project.

The program presents the data as pie charts, bar charts or plotted on a map of the area covered.

The package comes complete with data about South Yorkshire but arrangements can be negotiated for the preparation of other areas' information.

*Supplier:*      *RESOURCE*
*Product:*       *Droom*
*Available:*     *Late 1987*

Droom is an adventure based around a story in which the Princess Arminda has been kidnapped by the wicked dragon Droom and Prince Henry, her true love, has been turned into a frog. The children's task is to rescue Arminda and in the course of their adventure the children will encounter fairies, trolls, a witch and a wizard.

Although the program is set in the context of a story, progression through it depends upon the solution of a series of mathematical problems and puzzles. Extensive guidance for the use of the program is provided together with many back-up materials.

*Supplier:*      *RESOURCE*
*Product:*       *Dust*
*Available:*     *Late 1987*

This adventure is the sequel to DROOM and follows the same principles of logical and

mathematical problem-solving. It is intended to be of use not only in primary but also in secondary schools where it has already received a good reception as a motivating tool for reluctant learners. This outstanding package will provide considerable theme-based work relating to many curriculum areas.

| | |
|---|---|
| *Supplier:* | *RESOURCE* |
| *Product:* | *Forge* |
| *Available:* | *Late 1987* |

The Industrial Revolution and the growth of the iron and steel industry are the subjects for this theme pack. They are developed through extensive materials including five discs of programs, workcards, photographs, maps and charts and teacher's notes. The programs provide exercises in siting a forge and a furnace, financial management, charging a blast furnace and examining data relating to the village affected by the changes in lifestyle brought about by the onset of the Industrial Revolution. The pack provides sufficient material for a full class project extending up to a term in length.

| | |
|---|---|
| *Supplier:* | *RESOURCE* |
| *Product:* | *Kinetic Models* |
| *Available:* | *Late 1987* |

This pack is designed as a visual aid for the teaching of particle motion. The programs deal with the relationship between Pressure, Volume and Temperature, Pressure Equalisation, Brownian Motion, Diffusion, Maxwell's Demon and Electron Flow.

| | |
|---|---|
| *Supplier:* | *RESOURCE* |
| *Product:* | *Waves* |
| *Available:* | *Late 1987* |

A selection of simulations suitable for the demonstration of: Wave Production, Wave Propagation, Wave Interference, Transverse and Longitudinal Pulses, Lissajous Figures and Refraction, Reflection and Young's Slits in Ripple Tanks.

| | |
|---|---|
| *Supplier:* | *RESOURCE* |
| *Product:* | *Library Catalogue* |
| *Available:* | *Late 1987* |

A dedicated information retrieval program designed specifically for use within school and departmental libraries. One option allows use of the Dewey Classification, the other, colour-coded systems. More than 900 books can be handled.

| *Supplier:* | *RESOURCE* |
| *Product:* | *Sorts* |
| *Available:* | *Late 1987* |

The program shows graphically how a computer undertakes various sort routines. This helps pupils to understand which types of sort are best for which processes in order to minimise execution time. Bubble, quick, radix insertion, selection, and merge sorts are demonstrated.

| *Supplier:* | *RESOURCE* |
| *Product:* | *SEAfax* |
| *Available:* | *Late 1987* |

This easy-to-use CEEFAX simulation program has been developed by Sheffield Education Authority (hence SEAfax), and is now being used as a standard means for transferring information around the South Yorkshire and Humberside region. The program will hold up to 100 pages of information which can be created by pupils or teachers.

| *Supplier:* | *RESOURCE* |
| *Product:* | *NEA Case Study* |
| *Available:* | *Late 1987* |

This pack consists of a disc, teacher's booklet and student materials simulating the "North East Area Cleaning Consultants". The software covers all of the points for the Northern Examining Association 1988 case study including personnel files, payroll slips, training, holidays, etc. The student material gives some simple tasks so that these areas can be explored in an interesting and motivating way.

| *Supplier:* | *Computer Concepts* |
| *Product:* | *Inter-Word* |
| *Available:* | *September 1987* |

Inter-Word is a fast, efficient and easy-to-use word processor. It is menu driven and some of the special features are: automatic reformatting, on-screen page breaks, specific page printing, multi-column, automatic word count etc. Computer Concepts offer a scheme for existing users to upgrade to Archimedes versions.

| *Supplier:* | *Computer Concepts* |
| *Product:* | *Inter-Sheet* |
| *Available:* | *September 1987* |

Inter-Sheet is a powerful spreadsheet which supports a full range of high-precision mathematical functions, such as: sum,max, min, lookup, average etc. Numbers may be printed in three different

formats and with up to nine decimal places. Labels may be left, centre or right justified. All box formats are alterable on a box by box basis. Computer Concepts offer a scheme for existing users to upgrade to Archimedes versions.

*Supplier:*     *Computer Concepts*
*Product:*      *Inter-Chart*
*Available:*    *September 1987*

Inter-Chart is the perfect partner for Inter-Sheet, allowing data to be displayed in a variety of graph formats. Data can be entered from Inter-Sheet, from stored ASCII files or from the keyboard. Three types of graph are supported, pie graph, line graph and bar chart. Computer Concepts offer a scheme for existing users to upgrade to Archimedes versions.

*Supplier:*     *Computer Concepts*
*Product:*      *Wordwise Plus*
*Available:*    *September 1987*

This is the well-known word processor with many editing facilities and embedded commands to assist layout. Computer Concepts offer a scheme for existing users to upgrade to Archimedes versions.

*Supplier:*     *SCET*
*Product:*      *Sword Word Processor*
*Available:*    *September 1987*

It is strongly felt that the introduction of a commercial word processor into the classroom is inappropriate in view of the normally extremely large numbers of functions which it can perform. It is generally accepted that what is required is a word processor demonstrator/tutor, and this package sets out to meet that need.

*Supplier:*     *Scetlander*
*Product:*      *COMAL DEMONS*
*Available:*    *September 1987*

DEMONS are procedures (or functions) which will carry out, for the pupil, the major operations which will allow him to code a program to solve a problem. New COMAL statements are gradually added to the pupil's vocabulary as and when they are needed. The pupil will soon be in a position to write his own versions of the DEMONS or to write his own procedures which, if desired, can be added to the supplied DEMONS.

*Supplier:*      *SCET*
*Product:*      *CNC Lathe*
*Available:*    *September 1987*

This package is intended to simulate the function of a CNC machine tool and to permit students to become accustomed to programming the machine. The machine taken as a basis of this simulation is the Boxford ACL Lathe but the general principles behind the programming of this machine apply to most CNC machines.

*Supplier:*      *Scetlander*
*Product:*      *Airline Reservation Package*
*Available:*    *September 1987*

One of the main uses of computers is to store and access important information which may be changing from minute to minute. Teaching about real-time systems can be very dry without a practical demonstration and it can be difficult to explain the range of programs and facilities which is required to sustain a rapidly changing bank of data. Airline Reservation Package overcomes these problems and presents the topic in an interesting context and in a practical manner. The package includes both teacher and pupil notes.

*Supplier:*      *Scetlander*
*Product:*      *Car Hire*
*Available:*    *September 1987*

In this simulation of a small car-hire firm, the pupil is required to receive and make bookings according to each customer's need. Bookings are communicated by telephone calls built into the program. The main skills involve reading for information and decision-making. An overlay is supplied for the function keys which feature in the electronic "booking form". The pupil can "run" the firm for up to four weeks with statements being printed out at the end of each week. Statements can also be saved so that the pupil can resume at another time. A teacher's section allows control of the booking and costs the pupil has to manage.

*Supplier:*      *Scetlander*
*Product:*      *Catch*
*Available:*    *September 1987*

Peterhead fishing port is the scene of this involving project where pupil groups adopt the roles of crew members aboard a seine-netter. Decision making is developed as is a knowledge of the fishing industry. Pupils are supplied with background information and a log book. They also have use of a "radio" to "hear" weather forecasts and fish prices. Graphics show weather, soundings of the ocean, size of catch and duration of trip. Pupils must interpret the on-screen sounder to catch fish. Decisions made by the "crew" are reflected in the operating profits or losses shown on the

"End of Trip Statement Sheet". A teacher's section provides control of the weather which children face. Random factors are also included. Crew decisions affect the end of trip "Balance Sheet" which provides an analysis of the costs incurred by the voyage and of the income provided by fish sales. This can lead to discussion on the real life problems facing small businesses.

*Supplier:*      *Scetlander*
*Product:*       *Mazemaster*
*Available:*     *September 1987*

Mazemaster is an adventure game author specially designed for educational use. A comprehensive editor allows the teacher to develop his/her own scenario related to classwork. The program provides flexible cut-off points which integrate the game element with off-computer assignments. Judicious use of keys etc. allows scope for the design of remediation and extension units. The game map and assignment codes can be printed. Up to eight groups can take part. An exemplar suite for English, "The Bogolbanian Spy", is included.

*Supplier:*      *Scetlander*
*Product:*       *Holiday*
*Available:*     *September 1987*

Holiday is a simulation of a travel agent-type booking system. It provides great scope for a variety of different types of work. A schematic with suggestions is included in the package which also features a specially produced holiday brochure. The program has three parts: Hotel Information related to the brochure and a Booking Service which can be used in either Customer or Agent mode. The completed holiday booking can be costed and printed out. An extensive teacher's section can update prices, save bookings and switch off the information service.

*Supplier;*      *Scetlander*
*Product:*       *Stock Control Simulation*
*Available:*     *September 1987*

Commerce and industry are routinely using computers to control stock. This fully developed simulation gives pupils the opportunity to run a company for up to 120 computer days. The program has three objectives: 1. To emphasise the importance of the computer in helping industry to set proper re-order levels, to choose reliable suppliers and to link the whole stock control process to production; 2. To illustrate a simple stock control situation with associated graphs, tables and charts; 3. To highlight the difference between manual and computer controlled reordering of stock. Both teacher and pupil notes are provided.

# Books

This book, by Peter Cockerell, describes in detail aspects of programming the new Acorn RISC chip. It explains why the chip is so fast and how to take full advantage of its power. The book is up-to-date, covering the 2 micron ARM, with appendices on the floating point and co-processor instructions and with numerous example programs. This is a truly comprehensive reference manual for anyone who intends to program in ARM assembly language or for those who want to find out why the Acorn RISC chip is so special.