

Interface Software Catalogue

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Issue 7 - 1989 - 1

Educational, business and entertainment software for IBM PC, Apple II & Microbee

Interface Publications was founded in 1981 by well-known author and columnist Tim Hartnell, who writes regularly for *Your Computer* and *The Australian*.

Interface is one of Australia's leading suppliers
of cut-price software and blank disks.

We're aiming to be number one, so we've released this new catalogue of really worthwhile software for IBM PC/compatibles, Apple II and Microbee.

A separate catalogue of Macintosh software is available on request.

All IBM/Apple software is provided on 5.25" disks.

Microbee software on 3.5" disks. All disks are non-copy-protected.

FREE SOFTWARE!

You're entitled to a free APDL disk
of your choice for each
\$42.00 worth of software!

(See order form on back cover of this catalogue for details)

SCHOOLS: If you need multiple copies of a program, we can help. Five sets of disks, and one copy of the documentation, for the price of two complete programs; 10 sets of disks, and two sets of documentation for the price of three, 15 sets plus three sets of documentation for the price of four, and so on. Just order on your school's official order form.

Schools currently using Interface software are listed on page 2.

2 The following educational institutions, libraries, major businesses and government offices are among those currently using software from Interface Publications.

Australian National University; Monash University; Melbourne University; La Trobe University; CSIRO, Hobart; University of New England; James Cook University; Murdoch University; School of Applied Science, Phillip Institute; University of Tasmania; Launceston College of TAFE; The Hills Grammar School, Dural; Colac Technical; Dept. Environment and Planning, Adelaide; Trafalgar High School; Box Hill TAFE; Victorian Ministry of Housing and Construction; Hobart Technical College; Dickson College, ACT; Kwinana Senior High; Yarraville West Primary; Maryborough Technical College; Figtree High; Yankalilla Area School; Northam Senior High; Hendra High; Wycheproof Education Centre; Fintona Girls School; Driver High, NT; Dept. Community Welfare, Adelaide; St Ursulas College, Yeppoon; Sth Qld Rural Training School Board; Karingal High School; Transport Accident Commission, Melbourne; Department of Agriculture, Adelaide; Acquinas College, WA; HMAS Cerberus; Huntingdale High; Monaro High; All Hallows', Brisbane; St Columbus, Elwood; Karama Senior High; Blackburn High; Armadale Snr. High; Moreton Bay College; Trinity College, Perth; Dept. Industrial Relations, NSW; Gisborne High-Technical; New England Girls' School; Moranbah State High; Ballarat East High; Great Southern Regional College, Albany; Gynea TAFE; Bonnyrigg High School; Alice Springs TAFE; Lowther Hall A.G.S., Kaleen Primary; St Vincents College, Potts Point; Gosnells Snr. High; St Clares College, Manuka, ACT; Woodridge State High; Wynnum State High; Corinda State High; Northcote Technical; Toowoomba Christian College; Oxley State High; Moorabbin TAFE; Northern Rivers County Council, Grafton; Cheltenham Secondary School; Craigslea High School, West Chermerside; Hendra High; Worawa College; Brisbane Girls Grammar; Redcliffe State High; Queensland Ambulance Brigade; Smithfield Plains High; Royal Canberra Hospital; Canberra Grammar; Office of National Assessment; Computer Sciences of Australia, V Bruce; Introductory English Centre, Pearce; RAAF, Glenbrook; RAAF, Richmond; School of Nursing, Bathurst; James Sheahan High School Orange; The Scots School, Bathurst; Batlow Central School; Tumut TAFE; Trangie Central School; Mannum High; Trinity College, Evanston; Telecom; Darwin Inst. of Tech.; PEKO Mines; Duncaig Senior High; St Stephens School, Greenwood; University of WA; Alcoa; Lumen Christi College, Gosnells; All Hallows School, Brisbane; Hedland College; Corinda State High; Whyalla TAFE; Yarrowonga High; St Mary's High, Maryborough, QLD; Knoxfield College; Dept. of Defence, Darlinghurst; St Annes and Gippsland Grammar; University of NSW; Footscray Inst. of Technology; Nanango State High; South Brisbane Hospitals Board; Queensland Science and Technology; Westmead Hospital; Australian College of Physical Education, Croydon; Brisbane South Dept. of Education; Swinburne Technical; Gippsland Inst. of Advanced Education; Baimsdale High; Foster High; East Gippsland TAFE; Leogatha South Primary; Kurna College, Morwell; St Paul's School, Woodleigh; Board of Secondary School Studies, Spring Hill, QLD; Dept. of Education, North Quay, QLD; Holsworthy High; St Brigids College, Lesmurdie; Margaret River High; Granville Boys High; Blacktown City Library; State Bank of NSW; ANZ Bank; University Dept. of Surgery, Fremantle; Kalgoorlie College; Chapman Valley Shire; Merrilands High; Vic. Dept. of Management and Budget; Dept. of Community Services, Toowoomba; Sunshine Coast, TAFE; Burnside State High; Toowoomba Grammar; Queensland Agricultural College; Centenary Heights State High; Maroochydore State High; Darwin Institute of Technology; Ithica College of TAFE; Tasmania ITEK; Melbourne College of Textiles; Heathmont High; Tamworth City Council; Tandy Electronics, Miranda; Gosford City Council; St George Hospital, Kogarah; Dept. of Health, Newcastle; BHP Central Research Labs, Wallsend; Dept. of Geography, University of Newcastle; St Marys College, Gunnedah; Mullumbimby High; Health Education & Services, Lismore; Coffs Harbour High; Lower Clarence Community Youth Support Scheme; University of Wollongong; Tweed River High; ACT Health Authority; Australian Tax Office; East Gippsland Hospital; Sunshine North Tech.; Frankston TAFE; Sandringham Secondary College; Gordon Technical College, Geelong; Kyneton Primary; Ballarat College of Advanced Education; Ballarat Special School; St Martins in the Pines; McAuley College, Everton Park; Marist Brothers College, Rosalie, QLD; University of Queensland Press; Marsden State High School; Shire of Marong; Williamstown Library; Dept. of Defence, Puckapunyal; Wollert Primary; Endeavour Hills Technical; St Mary's Secondary, Nathalia; Kingdom Restoration College, Bright; Wodonga Inst. of Tertiary Education; Camp Hill State High; Coorparoo State High; St Aidan's School, Corinda; The Southport School; Ipswich Girls Grammar; St Edmunds College; Goodna Christian School; Bundamba Senior High; Watsonia South Primary; Watsonia Heights Primary; Diamond Valley Shire Offices; East Preston Police Station; Prahran Police Station; Epping High School; Diamond Creek Technical; Malvern City Council; Swinburne Institute of Technology; Ardoch High School; Carey Baptist Grammar School; Mitcham High; Hartwell Primary; Blackburn High; Parkwood High; Bennettswood Primary; Billanook College, Mooroolbark; Fairhills High; Sacred Heart Regional Girls College; Upwey Primary; Clayton Primary; Victoria College; Doveton Technical; Wesley College; St Michaels Grammar; Nazareth College, Noble Park; St Rochs Primary; St Josephs Technical; Moorabbin TAFE; and Frankston TAFE.

IBM/Microbee - Educational

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SKILL BUILDERS: SPELLING

A fascinating, interactive program, which helps to teach you, your children, and your students how to spell more than 1000 of the most commonly misspell words!

- Uses Australian (i.e. English) spelling, rather than American (e.g. *colour*, rather than *color*)
- Can be tailored to suit your own needs. Add your own words and sentences. Full source code included on disk
- The challenging and interesting format of the program includes a number of major activities, including LOOK AND SPELL; SPEED DRILL; USING WORDS IN A SENTENCE; and two game-format activities - TANGLED WORDS and ZAP THE WORD
- Detailed manual includes a number of additional activities and games to assist in the development of spelling skills
- Skill Builders: Spelling is suitable for ages from 10 through to adult

A high proportion of successful professional people and students are plagued by an inability to spelling many common words. And this is because they have never understood the rules of spelling (such as they are); have never had the opportunity to learn the exceptions to those rules; and have never been taught how words are built up. It is the triumph of the program that it remedies these deficiencies in a challenging and interactive format. For once, the claim that 'learning can be fun' is true!

\$49.95 Available for IBM & Microbee

SKILL BUILDERS: MATHEMATICS I Students 8 to 13

This software package (disk plus comprehensive manual) is your key to helping your child develop his or her mathematical skills.

It concentrates on the following vital areas:

- Addition
- Subtraction
- Multiplication
- Division
- Fractions
- Decimals
- Percentages



Aimed at students from eight to 13 (but very useful for encouraging the development of mathematical reasoning in those older than that, including adults), this software takes a straightforward and clear approach to its task.

There are five levels of tests in each major area. Progress scoring is automatic, and shown on-screen. The program uses the student's name, and each test can be repeated as many times as the student required (or a new one generated by the computer whenever it is wanted). Operating the software is designed to be easy and enjoyable. The choices which are open to you at various times are clearly indicated, so you are never at a loss as to what to do next. Although younger children may need a little assistance the first few times they run the program, you will find they can manage perfectly well after that. Uses positive reinforcement teaching techniques, and gives students a second chance at each item in the test before displaying the answer.

The program can be used to generate and apply new tests in any of the subject areas, at the student's choice of five levels. This is designed to assist students in building up a 'mental database' of mathematical facts to apply to other mathematical tasks, and to encourage the development of mathematical reasoning.

\$39.95 Available for IBM & Microbee

SKILL BUILDERS: MATHEMATICS II Students 11 to 17; and adult refresher course

The key ingredient of this package is a detailed mathematics review course. It is designed to ensure that the user has a solid grasp of the fundamentals of mathematical notation, and arithmetic manipulation, to create a solid base on which later mathematical knowledge can be built. While primarily aimed at middle secondary school (years 8, 9 and 10), it can be profitably used by secondary students at lower or higher levels, and by adults who wish to review their basic maths before tackling further learning.

Topics covered in SKILL BUILDERS: MATHEMATICS II include: symbols & notation; basic drill practice in addition, subtraction, multiplication & division, proportions; fractions, decimals & percentages; negative numbers; basic algebra (including solving equations); exponents; square roots.

The program works by introducing a subject on screen, gives one or more worked examples, then sets a few problems designed to test that the material has been understood. The answers to these questions are then given, before proceeding to the next topic. In many cases, the relevant working is also shown. The examples and problems are different each time the program is run, to ensure the student can run through it many, many times to reinforce the learning.

At the end of the learning material, a complete examination (which, again, will be different each time the program is run) is created, to be printed out directly on the printer, in order to test the student's understanding. A set of answers is also produced.

\$49.95 Available for IBM & Microbee

TEXTMASTER

Not avail. Microbee - IBM only

An incredible concept! A complete touch-typing interactive disk learning pack (with large, detailed manual and 132 lessons), complete with detailed instructions to teach you how to use your word processor (no matter which word processor you have).

Tim Hartnell's TextMaster also contains a self-tailoring version of the touch-typing program, so you can create your own lessons. The TextMaster package is completed by a simple word processor, DKWord, to aid you in developing your touch-typing and word processing skills.

The word-processing sections of TextMaster include instructions on all of the following:

Creating, saving and loading files; naming files efficiently; justifying text; tabs and line spacing; overcoming writer's block; printing your documents; creating special effects with your word processor; using an outliner; changing formats; saving time when editing text; changing page settings; typing in tables; finding and replacing; hyphenation; standard letters and merging; practice examples (business letter, price list using tabulation, agenda, paragraphs, typing from corrected text, glossary of computer terms); and, to complete the package, an instant-reference summary of your word processors commands.

Note that you can save if you buy TextMaster in combination with either (or both) the MS-DOS Tutor and the PC BASIC Tutor (described on the next page).

\$49.95 IBM only, not available for Microbee

IBM/Microbee - Educational

Tim Hartnell's

MS-DOS TUTOR

The MS-DOS Tutor is the most successful product we've launched, and feedback from individuals, government offices and schools which are using it is extremely positive.

The MS-DOS Tutor is the proven way to gain mastery of your IBM PC/XT/AT or compatible in just a few hours. Complete with detailed manual and interactive disk, you'll quickly get to grips with all of the DOS features, including hierarchical filing systems using tree-structured directories, EDLIN (the editor), .BAT files to automate your system, redirection, pipes & filters, use of the hard disk, and much, much more! *The MS-DOS Tutor includes Tutorial Disk and detailed manual. Covers DOS 2.n and 3.n.*

Covers all of the following vital subjects:

*** GETTING STARTED WITH DOS**

Overall view of the operating system; Booting up DOS, entering DOS commands, the DIR command, behaviour of the system after bootup; Formatting a disk, the FORMAT command, options, using VDL to display the disk name; Copying DOS, using SYS to transfer the system, VER to check version number

*** COPYING FILES AND DISKS**

How to use all of the following: DISKCOPY, DISKCOMP, CHKDSK, COPY, COMP, RECOVER, DEL, DATE/TIME, PAUSE, TYPE, REM

*** USING FILES**

Definition of file types, file names, locating groups of files, creating DOS files, transferring files, copying and verifying files, non-standard DOS files

*** HIERARCHICAL FILING SYSTEMS**

What they are, directory structures, tree-structured directories, MKDIR, PATH, TREE, RMDIR, CHDIR, the file allocation table

*** EDLIN, THE EDITOR**

Getting started, inserting text, the template, interline editing, cut and paste with the MOVE command, screen graphics and EDLIN, use of the following: COPY, DELETE, INSERT, LIST PAGE, REPLACE, TRANSFER, WRITE

*** REDIRECTION, PIPES AND FILTERS**

Redirecting standard input/output, SORT, FIND, MORE, CITY, EXE2BIN, PROMPT, SET, ASSIGN, BREAK

*** BATCH FILES**

Automating the menu, activating the system, CLS, ECHO, FOR, GOTO, IF...IN...DO, SHIFT, PAUSE, REM, AUTOEXEC.BAT

*** CONFIGURING YOUR SYSTEM**

CONFIG.SYS, BREAK, BUFFERS, DEVICE, FILES, SHELL, SWITCHAR, ASSIGN, MODE, SET, the ANSISYS driver

*** USING YOUR HARD DISK**

Preparing the disk with FDISK, organising a hard disk, directory structure, creating subdirectories, backing up a hard disk, RESTORE

\$49.95 Available for IBM only

Tim Hartnell's

Rapid Progress Tutor for BASIC Programming

Now you can learn to program your IBM PC or compatible in BASIC in the quickest possible way. By the time you've worked through the disk which comes with this package, and the 108-page manual, you'll be a programming wizard. The PC-Tutor disk also contains a complete library of software to get you underway! Programs in this library include a database program, a complete spreadsheet, word processor, typing tester, calendar, two music demonstrations, Reversi (Othello), Packman, PC-Golf, Pango, Animal and more! \$49.95 IBM only (see Microbee below)

Special Bonus! Get MS-DOS Tutor, PC-Tutor and TextMaster together at a reduced price!

You can get any two IBM PC tutors for just \$84.92 (\$70.76 ex. tax); or all three tutors for just \$112.39 (\$93.66 ex)!

Tim Hartnell's

Rapid Progress Microbee Tutor BASIC Programming



Now you can learn to program your Microbee in Microworld BASIC in the quickest possible way. By the time you've worked through the disk which comes with this package, and the 102-page manual, you'll be a programming wizard. Includes game and other programming examples - ready-to-run! \$49.95

MATHEMATICAL DIVERSIONS

A host of incredible discoveries about the paradoxes and peculiarities of maths - to make on your own computer. Now you can use your computer to explore some of the most fascinating realms of mathematics. Through the programs provided with this package, and with the aid of the detailed manual, you'll now become acquainted with subjects such as permutations and combinations, some unusual applications to the laws of probability, mathematical games such as Hex and Tix-Tax, and brain-testing puzzles including the Tower of Hanoi and Magic Squares. Ideal for use at home, or in school as the basis of maths or computer science lessons.

The manual goes into the background of each discovery, the men who made it and their history, along with ideas for developing other programs and puzzles from the material discussed! You get all of the following with the MATHEMATICAL DIVERSIONS pack: Happy Birthday

Probability; The Endless Nine; Simulations; Combinations and Permutations; Astronomical Numbers; A Hex on You ;Towering Challenge; Fibonacci Numbers; Magic Squares; The Infinite Prime; Base Conversions; The Exclamatory Factorial; Beyond Palindrome; Binomials; Pascal and the Triangle; and The Marvellous Matrix

\$49.95 Available for IBM & Microbee



IBM/Microbee - Educational

EXTENSION COURSE COMPUTER EDUCATION

This course has been written in Australia to meet the needs of upper primary and secondary school teachers who are required to give computer science classes, and for those who are interested in developing their own computer knowledge and skills.

Objectives

The course aims to help teachers develop:

- An understanding of the use of computers in education
- The ability to develop courses in both programming and general 'computer literacy'
- A familiarity with computer terms and concepts
- A detailed understanding of how computers are programmed, concentrating on the BASIC programming language, with an introduction to LOGO

The written material of the course draws on the findings of a number of studies of the impact of computer use in educational settings. IBM PC/compatible and Apple versions run on 5.25" disks; Microbee on 3.5" disks

Course Outline

The course assumes the teacher working through this package will have access to a computer for much of the time. It is very much a 'hands on' course, so the skills developed by using this software can, in due course, be passed on in the classroom.

Topics covered in this course include:

Includes more than 100 programming problems - with complete solutions - to use in your own classes

- Overview of computer operation
- Software, its major applications in, and its evaluation for, educational use
- Common reactions to computer use in education
- The five main categories of computer-aided instructions
- Word processing and database programs in the classroom
- 'Instant' introduction to operating computer for first-time users
- Detailed course in BASIC programming, designed first for the teacher using the course to master, then to act as a possible framework for teaching programming in class
- Alternative programming languages, including an introduction to LOGO
- Suggested course outline for 'computer literacy' course
- Additional topics which can be included in computer science courses
- Detailed reading and reference list, with Australian suppliers of particular books given where applicable

Software provided with the course literature:

IBM PC version: BASIC language, LOGO, Word processor, Database, Spreadsheet, Computer Aided Instruction course builder

Apple II version: Word processor, Database, Spreadsheet, Art Design, Student record keeper, Music Maker program

Microbee version: Copy of the *Rapid Progress Tutor for BASIC Programming*, plus manual (see page 4 of this catalogue for details); disk of solutions for all 100 programming problems

These disks can be freely copied by students for school use.

The complete course, with all the course material described above, is available for \$175.00. Five sets of disks and one copy of the documentation is available for the price of two complete programs (and additional disk sets can be for different computers); 10 sets of disks and two sets of documentation for the price of three, 15 sets plus three sets of documentation for the price of four, and so on. **Just use your school's official order form and order 'Computer Education Extension Course'**

Replicating Reality: Developing & Exploring Computer Simulations

This software package, 96-page manual plus disk, will introduce you to the potential of computer simulations. Contents include components of a simulation, feedback loops, simulating intelligence, political systems, robot control, sports, and even flying a plane! Gives you the skills to analyse and create computer simulations of your own. \$45.95 IBM & Microbee

Wake Up Your Financial Genius

Collection of four 'real world' financial simulation games, in which you can earn millions of imaginary dollars; allows you to test out your brains in the high-powered world of international finance. The programs, provided with detailed instruction manual, are **THE CORPORATION** (run a big company); **WALL STREET TRADER** (buy and sell stocks and shares); **THE ORE-SEEKERS** (mine for precious metals); and **FOREIGN EXCHANGE** (make a killing on the Eurodollar market). \$45.95 IBM & Microbee

Exploring Artificial Intelligence

With this software package (printed manual plus disk), you're equipped to explore and discover the world of AI in action. Programs include **BLOCKWORLD** (give your computer orders in ordinary English); **X-SPURT** (an expert system ready to train in any subject); **SYLLOGY** (a program which reasons); and **TIC-TAC** (a noughts and crosses program which improves as it plays); and more! \$45.95 IBM & Microbee

TIESS - The Interface Expert System Shell

TIESS is an expert system shell, a framework which you work with to create an expert system which will really work. An expert system is a computer program which contains expertise on a subject, held in a way which allows non-experts to access and use the expertise. Watching TIESS develop a knowledge base, on anything from classifying minerals, predicting the weather, sorting poisonous mushrooms, to picking winners on horse races is a *fascinating process*. Teach TIESS on the subject of your choice! \$45.95 IBM & Microbee

Machine Code Eliza

A major implementation of the famous ELIZA program, which emulates the conversation of a psychiatrist. The program features an extensive vocabulary, ensuring a wide range of possible responses, and virtually *instant* reaction to your words. Includes an 'auto-conversation' mode, to allow ELIZA to talk to itself! \$29.95 IBM & Microbee

The FORTH Tutor

Now, with THE FORTH TUTOR (three disks, plus manual), you'll soon be well on the way to mastery of this fascinating computer language. Includes a tutorial version of the language, and a *complete* implementation of Fig-FORTH. The detailed manual will lead you step by step to FORTH mastery. \$45.95 IBM only

The PASCAL Tutor

You can now master Pascal. Tutor includes a 64-page printed manual, and an implementation of **Visible Pascal**, which was created to make learning Pascal quick and easy. In addition, you get a copy of Jeremy Ruston's acclaimed book **PASCAL FOR HUMAN BEINGS**, and a *Tiny Pascal* compiler builder, which explains how to design and implement a small subset of Pascal in Turbo Pascal! \$45.95 IBM only

TURBO PASCAL UTILITIES

If you have Borland's exciting *Turbo Pascal*, you need this **three-disk set** of incredible utilities, files and routines. Detailed on-disk documentation, and over fifty complete programs! \$45.95 IBM only

The C Tutor

Now you can master C, with this **three-disk set**. The first two disks contain a complete tutorial 'teach-yourself' approach to C mastery, while the third disk contains a *complete Small C* implementation, written by Ron Cain, so you can develop C applications and programs of your own. \$45.95 IBM only

The LISP Tutor

You can now get to grips with LISP. Software package includes an introductory implementation of LISP, plus a *complete XLISP* implementation, along with a detailed, self-instruction printed tutorial manual. \$45.95 IBM only

The PROLOG Tutor

PROLOG is the language used by the Japanese fifth-generation computer project as the core language for designing intelligent systems. This tutorial package includes a printed training manual, an introductory version of Prolog (which emulates the Simple front end of micro-Prolog) and a complete implementation of Prolog, PDPROLOG, which was praised by *Byte* magazine in their October 86 issue. \$45.95 IBM only

Graphics Logo - LOGO-K

Now you can have a full graphics implementation of the fascinating 'turtle' language LOGO, complete with an extensive tutorial manual, to get you and your kids creating flowers, stars and all the rest in record time. A marvellous introduction to programming. Needs EGA/CGA; not Hercules graphics card. \$45.95 IBM only

Super Secret Spell Adventure

A marvellous 'create an adventure' program designed for young children (up to 8) to help them learn to spell; uses child's name, allows child to nominate names of rooms, monsters and treasures. Adults can modify the words which the program asks the child to spell. Effortless (and painless!) learning. \$29.95 IBM & Microbee

**DISCOVERIES AND DIVERSIONS IN SCIENCE**

(available for Microbee, Apple II and for IBM PC compatibles, inc. Amstrad PC)

Now teachers and students can explore, learn about, and understand many fascinating areas of scientific and mathematical discovery. Each program listed below comes with this software package, and is complete with a detailed history of its background, its discoverer, and the application of the discovery in our world today. With the aid of the computer, you can roam through the recent history of scientific discovery, from the laws which govern planetary motion, through weather prediction, to demonstrations of 'machine intelligence'. Ideal for use in science, computer science and mathematics lessons, and for the individual who would just like to know more about scientific progress and discoveries.

The software package Discoveries and Diversions in Science - consisting of software disk plus detailed printed manual - contains programs and background information on all of the following:

- ASTRONOMY** - Design your own solar system; Comets; Mercury; Venus
- PROBABILITY** - Pascal's pinball probability machine; The normal distribution & dice
- MACHINE INTELLIGENCE** - A program which learns; Robots and robot vision; The creative computer, writing music and poetry
- CHEMISTRY** - Interactive version of the Periodic Table, plus detailed history of its evolution
- LIGHT** - Replicate Young's double-slit experiment demonstrating interference patterns for light
- MATHEMATICS** - Conic sections, the ellipse, parabola and hyperbola, plotting other algebraic functions; The abacus; Deductive reasoning and 'flipper'; Mean, median and mode; Determining the value of PI; Base conversion; Trigonometric functions; Evaluating polynomials; Geometry and its discontents; Log to any base
- MATTER** - Investigate the links between length of sides, surface area and volume of rectangular objects; How low can you go (absolute zero); N-particle, the gravitational attraction between two or more masses
- SOCIAL AWARENESS** - Population growth and extrapolation; Imitation life; Simulation, controlling a closed environment; Life expectancy; Testing blood alcohol levels

DISCOVERIES AND DIVERSIONS IN SCIENCE is just \$69.95 and is supplied on 5.25" disk for Apple II or IBM PC-compatible; 3.5" disk for Microbee.

(The IBM PC version also contains a copy of BASIC so the programs can be run on all compatible computers, including the Amstrad PC's.)

For the Amstrad PC! The Amstrad PC Companion



Yes, now you can explore your Amstrad PC (IBM compatible), with our incredible new software package - disk plus detailed, illustrated manual - THE AMSTRAD PC COMPANION! Created by Tim Hartnell, THE AMSTRAD PC COMPANION contains 40 programs to ensure you and your Amstrad have a lot of discoveries to make in the coming months.

Here's what you get with the COMPANION:

•**Exploration and Entertainment:** A host of games, all written in BASIC2, so you can learn tricks and techniques to apply in your own programs. Ten-Pin Bowling, Dominoes, Perpetual Calendar, Draughts, Tarot Cards, Gomoku and more!

•**Four machine-code programs:** Detective Q, Space Invaders, Othello, Checkers

•**Making the most of GEM Paint:** Now you can learn how to create GEM Paint pictures which rival the professionals; includes a number of examples of business documents to copy (including advertisements, letterheads & business cards); plus six GEM Paint images ready to load into your PC

•**Business Programs/Applications:** Includes a trend forecaster, personal finance budget program, interest calculators, a program to determine arithmetic progressions, and an index-constructor

•**Benchmark tests:** Find out how fast your PC is in comparison with other computers (like the PC made by that IBM company)

•**Searches, shuffles and sorts:** Now you can explore such things as the non-recurring shuffle, bubble, insert and sequential sorts; 9 programs in all

•**BASIC2:** Discussion of the special features which are yours with BASIC2, along with a swag of ideas to make your programming easier

\$49.95 Amstrad PC only

Microbee



The Signwriter

Create great big advertising signs, *along* the printer paper. Works with any printer. Add little pictures, and even design your own (on an 8 x 8 grid)! Full instruction manual included.
\$29.95 Microbee only

The Winning Edge

If you enjoy investing on the horses, but don't enjoy it when your investment doesn't pay off, you'll welcome this program which is designed to give you a 'winning edge' when it comes to betting. All you have to do is answer the questions the program puts to you, on such things as the number of starts the horse has had, its total purse, whether or not it is being ridden by an apprentice and so on, and the computer will get to work to boil down the whole mass of information to suggest the horse you should back!
\$39.95 Microbee only

Astrological Forecaster

Just tell this program your date of birth, and it will print out a complete astrological chart for you, along with a detailed interpretation. Printer required. *\$24.95 Microbee only*

Classic Collection

Twenty-five great games for the Microbee, complete with a printed instruction manual. Includes space games (such as VENUS PROBE and STAR SEARCH), adventures, including DIAMOND JIM and TUNNEL TREK), board (including OTHELLO) and gambling games (such as 21 and ROULETTE), plus four simulations. *Just \$24.95. Microbee only.*

IBM PC

Paradigm Power Utilities

\$39.95 IBM PC only

This new set of utilities for the IBM PC and all compatibles allows you to retrieve deleted files, gives you *byte by byte* control over your disks, simplifies and speeds up your work with the PC, and much more! Easy to use, with a detailed, printed manual which takes you through use of each utility, step by step.

The major utilities include:

- COMEBACK - to retrieve deleted files
- MODIFY - to examine and modify your disks, byte by byte
- SPOOLER - set up the Paradigm spooler to free your computer for new tasks while the printer bashes away in the background. You decide the size of the spooler, and also how many copies you want. The spooler is extremely easy to use
- PARADISK - full RAMdisk to be your third or fourth drive; size of disk is variable; full installation details provided, including an example of how to use it effectively
- DISKCAT - make a quick, straightforward catalogue of disk contents
- LABEL - change or add a volume label to your disks
- CHANGER - alter file attributes, marking files as hidden, readonly, system or normal
- FILEDUMP - allows you to dump a complete file in ASCII or HEX
- GCOPY/GDEL - simplifies task of copying or deleting files on your disks

IBM PC/Microbee Games

Tim Hartnell's GIANT BOOK OF COMPUTER GAMES & SECOND GIANT BOOK OF COMPUTER GAMES. These books were best-sellers in the UK, USA and Australia. Now save yourself the trouble of having to type in all the listings with these hi-value software packages. *Now available on disk. Two world best-selling books. Get the complete text of each book as a manual, plus programs on disk.*

QUITE WONDERFUL...THE VARIETY IS FANTASTIC! PC Magazine, reviewing TIM HARTNELL'S GIANT BOOK OF COMPUTER GAMES.

GIANT BOOK OF COMPUTER GAMES

45 exciting games including ADVENTURE GAMES (battle with the forces of evil, escape from a cave, or search for hidden treasure in STRONGHOLD OF THE DWARVEN LORDS, THE DUKE OF DRAGONFEAR, and THE BANNOCHBURN LEGACY); SIMULATION GAMES (tinker with the fate of an entire planet, or run your own company in MISTRESS OF XENOPHOBIA and CHAIRMAN OF THE BOARD); BRAIN GAMES (race to locate an atom within a CYCLOTRON); ARTIFICIAL INTELLIGENCE games; SPACE GAMES (fight an intergalactic war with alien creatures in HYPERWAR); and many more. *Two disks plus manual - \$44.95 Available for IBM PC and Microbee.*

SECOND GIANT BOOK OF COMPUTER GAMES

50 hot new games including ADVENTURE GAMES (take on the forces of dread or escape from a dungeon labyrinth); SIMULATION GAMES (find out if you would make a good president of the US); ACTION GAMES (speed down a twisting track in HUTT RACE or make the universe safe for mankind in EN-GULF; JUST FOR FUN (encode your secret thoughts or cook up some verse with POLYBIUS CYPHEN and THE PATENTED LIME-RICK MACHINE); PSYCHIC GAMES (gaze into the future with CELTIC TAROT and the BOOK OF CHANGES or chart your bio-rhythms in GOLDEN DAYS); plus many more. *Two disks plus manual - \$44.95 Available for IBM PC and Microbee.*



Tim Hartnell's

HOW TO CREATE COMPUTER GAMES!

Detailed course explaining how you can create and program your own computer games from first principles. Very detailed text explaining how to write games programs using such techniques as move tables, 'intelligent' move-generating algorithms; real-time interactive graphics. Includes more than 25 ready-to-run games programs which are analysed in detail. You'll learn how to program computer versions of 'classic' games such as draughts and noughts and crosses; how to create original computer games from scratch; how to create animated, moving graphic games; how to write and develop computer versions of card games; along with war gaming; dice games; simulations; and maze-based games. Learn the secrets of the professional game designers. *\$69.95 Available IBM PC only.*



IBM PC - DTP/Entertainment

For just \$44.95, you can now get started in desktop publishing. The DESKTOP PUBLISHING KIT includes the acclaimed program *CITY DESK DESKTOP PUBLISHER*, a program which combines a word processor, with high quality printed output, featuring multiple columns, along with variable type sizes and styles with detailed printed instruction manual, plus a copy of *DESKTOP PUBLISHING: THE BOOK* (usually \$29.95 by itself), plus the two-disk C.A.D. program *PC-Key Draw*. Great value! Program disks can be freely copied!

Here's what Desktop Publishing magazine said in October 1986 about *DESKTOP PUBLISHING: THE BOOK*: "The Definitive Tome on Desktop Downunder has just been published, and it's a ripper. Tim Hartnell's book tells you just about everything you need to know about gaining power over print - and then some more. The 12 chapters cover almost all the how-to areas. This 160-page book is set to become an indispensable tool which can be read throughout, or referred to for specific projects...The chapter on newsletters and in-house magazines is particularly useful reading for budding publishers..."

And here's part of a review which appeared in *The Australian Computer Journal*, May 1987: "The book contains a lot of practical advice for the potential user of publishing packages...I was delighted to find that it is neither machine nor package oriented...extremely well-illustrated...Starting with graphic and design consideration, the book passes through chapters in such areas as choosing fonts & layouts, creating advertisements, newsletters, technical manuals & publishing books

WHOLE KIT IS JUST \$44.95!

THE ENTERTAINER

Four machine code games for thinkers on this bargain-priced disk. **KIDDIE CHECKERS** (classic board game, single move lookahead); **DETECTIVE Q** (solve a murder); **OTHELLO** (full-screen display; rapid response); and **THE MEPHISTO ADVENTURE** (classic style text adventure)! \$18.00

Classics Collection - Volume One

Twelve of the greatest games from the public domain. **CHESS** (full hi-res graphics; needs graphics card); **BLACKJACK**; **STAR TRADER**; **THE BIORHYTHM COMPUTER**; **SPACE INVADERS**; **PC ASTROLOGIST**; **ROULETTE**; **CASINO CRAPS**; **AMAZING MAZES**; **HYPERWAR**; **GOMOKU** and **CONNECT FOUR**. Complete with full, on-disk instructions. All this for just \$18.00

Classics Collection - Volume Two

Two-disk follow-up to the highly successful Volume One. Many great arcade games. Needs graphics card. Here's what you get: **LANDMINE**, **HEART**, **HOSTAGES**, **PARATROOPER**, **FIRE**, **QUBERT**, **BOOGERS!**, **PACKGAL** and **POKER** on disk A. Disk B contains **AIRTRAX**, **STRIKER**, **FLIGHTMARE**, **JUMPJOE**, **BUGS**, **REVERSI** and more. Maxi value! All this for just \$30.00

Classics Collection - Volume Three

The latest addition to the 'classics collection' range. Contains **SNIPES**, **BABIES**, **ASTEROID**, **BRICKS**, **GRIDIRON**, **HOPPER**, **DOMINOES**, **WILDCAT**, **SERPENT**, **KILLER MAZE**, **ABM2**, **DROIDS**, **FLYS** and more. All this for just \$18.00

The Signwriter

Create great big advertising signs, along the printer paper. Works with any printer. Add little pictures, and even design your own (on an 8 x 8 grid)! Full instruction manual included. Only \$29.95

The Interface Adventure Shell \$19.95

This disk, which comes with an easy-to-follow instruction manual, gives you an empty 'adventure shell' which you can use as the framework for an infinite number of stand-alone, totally original adventures of your own. You can even sell your adventures, without paying any royalties for use of the shell!

The Winning Edge

If you enjoy investing on the horses, but don't enjoy it when your investment doesn't pay off, you'll welcome this program which is designed to give you a 'winning edge' when it comes to betting. All you have to do is answer the questions the program puts to you, on such things as the number of starts the horse has had, its total purse, whether or not it is being ridden by an apprentice and so on, and the computer will get to work to boil down the whole mass of information to suggest the horse you should back! \$39.95

Casino Buster!

Here's an exciting and instructive set of programs in which you can use your PC to get an edge on the casino. The package consists of six complete computer simulations, which exactly duplicate casino rules, conditions and odds, along with many, many detailed systems in action. **SLOT MACHINE**, **NEVADA BACCARAT**, **TRENTE-ET-QUARANTE**, **BLACKJACK**, **ROULETTE** and **CRAPS**, complete with detailed playing rules. All this for just \$41.95

IBM PC - Public Domain/Shareware

There's a lot of rubbish out there in the public domain. In conjunction with the enthusiastic members of the Australian Public Domain Library, we've culled more than 700 disks to bring you the absolute best; compiled by us into meaningful collections; complete with instructions; and the surest, cheapest way to satisfy your needs for quality software.

The programs we offer come from public domain programs written by American, British and Australian authors (including our own Tim Hartnell!), and has been checked and grouped into disks here in Australia. The disks in the Australian Public Domain Library differ from many of those offered by other PD collections here. Many PD disks contain a mixture of 'gems and junk'. We've put many, many months of work into sorting out the gems, and have put them together into disks of related material (rather than using the 'grab-bag' approach many PD disks represent). The vast majority of the programs we've included here come with documentation on disk, explaining the contents of the disk, and with extensive instructions on how the programs are to be used.

There is a real treasure-house of material here, a real tribute to those who have created worthwhile programs over the past seven years and have placed them in the public domain. Some of the material on these disks is 'shareware' or 'user-supported' which means that the creator of the program has asked for a donation (generally between \$25 and \$75) to be sent directly to the program's author, if the person receiving the program wishes to use it on a regular basis, and therefore thinks the program (and author) deserves such support. User-supported software works on an honour system, and is a way of ensuring that worthwhile software continues to be donated to the public domain. Please play fair.

The Software Essentials



This is a four-disk set, with printed manual, which represents the 'cream of the crop' of business software from the Australian Public Domain Library. This collection has been a consistent 'best seller' since it has been available, and is the software base upon which many small businesses in Australia are run. Programs include all of the following: **PC-WRITE**, **PC-YEARBOOK**, **LABEL**, **PC-FILE**, **BIGCALC**, **TYPERITE**, **PC-DIAL**, **SETPRIN**, **CALENDAR**, **BARCHART**, **MEMBRAN RAMdisk**, **S&SPRINT** (spooler), **PROJECTS**, **FREECALC**, **MICRO ACCOUNTING SYSTEM**, **GENERAL LEDGER** and more! All four disks \$49.95

Latest additions!

APDL-23 DISK JOCKEY If you want to delve into, and modify, specific sectors and tracks on your disks, this is the program for you, although it should obviously be used with caution. Menu-driven, **DISK JOCKEY** allows you to choose from such actions as **READ NEW DISK**, **READ NEXT SIDE**, **VIEW TRACK FORMAT**, **VIEW/EDIT SECTOR**, **OPEN/CLOSE DOS FILE** and **COPY CURRENT SIDE**. \$15.00

APDL-152 GAMEPAK THREE. Value for the serious gamer. Includes **PACKGAL** with four speed levels from drongo to fiend; **TALKING COMPUTER** - now you can teach your PC to burp (true!) or say such useful phrases as 'Ouch!!' and 'Beam me up, Scotty!'; Michael Bayley's hard to defeat color and b&w version of **OTHELLO**; and **DONKEY KONG WILL Y WORM** - fast-action arcade game with customizable game screens! \$15.00

APDL-147 MAXIREAD Analyse and improve your writing style. \$15.00

APDL-148 HOTCODE Memory-resident program written by the **Fabric Shop of Chatswood, NSW**. **HOTCODE** finds Aussie postcodes for you, and even inserts them into your document. A real winner! \$15.00

APDL-149 'LOOKFOR' TEXT SEARCH Now you can search through the largest text file you have to find a word or group of words in a matter of seconds (around a minute to search 5mg of text!) \$15.00

APDL-150 CHEMISTRY This educational disk is designed to teach chemical valences, atomic bonding and structures. \$15.00

APDL-151 a/b STUDENT'S WORD PROCESSOR - ESL WRITER Two-disk word processor ideal for student use. Includes help files on such subjects as grammar and punctuation. \$25.00 FOR TWO DISKS

APDL-153 HOROSCOPICS Now you can calculate, completely accurately, the celestial conditions for your own (or any) birthday, and then print out a horoscope, complete with the sky configurations for that date, along with an astrological reading for the person whose date was entered. Comes complete with **BASIC** on disk. Needs a printer. \$15.00

APDL-154 TERMINATE AND STAY RESIDENT CREATOR With this incredible program from J A Orman you can create an executable .COM file out of your text file, which can be up to 25 lines of 80 characters each. This snappy program remains in memory, once you've run it, to pop up when you hit the selected keys. One great way to use this disk would be to create a 'help' screen for your own software which pops up on demand to explain such things as the required commands. \$15.00

NOW YOU CAN MASTER ASSEMBLY LANGUAGE PROGRAMMING WITH OUR NEW DOUBLE-DISK SET!

APDL-146 a/b If you want to master assembly language programming on the IBM PC, these two disks are for you. The set starts with PRIMER.DOC to introduce assembly language to the novice, followed by the complete text of an introductory talk on working with PC Macro Assembly. Next there is AMSGEN.COM by Jack Gersbach, the Assembly Code Generator, complete with on-disk instructions. This value-packed disk continues with a tutorial on the use of the DEBUG.COM program, which is virtually a must for assembly language programmers. A cross-reference utility follows, which is designed for those writing long assembler programs, to keep track of where procedures (subroutines) are located and where they are referenced (called). Next the disk contains a ROM/RAM PEEK routine, and HEXS converter, to pry into designated ROM and RAM areas and return a decimal value for the location. From James P Morgan, comes a set of callable assembler subroutines to give you more control over your system, allowing you to access DOS functions which are not supported by the interpreter. Next this value-packed pair of disks include CHASM, which stands for CHep ASseMbler, the user-supported assembler for those wanting to learn about, and use, assembly language. Programs are converted directly into .COM files. Finally, you'll get CHMOD.ASM to change file status (hidden, read-only, normal, system); and COM2DATA.ASM which converts machine language into BASIC DATA statements. *Your chance to master assembly language programming on the PC with this two disk set for just \$30.00!*

APDL-155 HERITAGE CHURCH MANAGEMENT SYSTEM Now you can manage your church membership, donations, and the like. Complete with full instructions. \$15.00

APDL-156 DESIGN YOUR OWN CARDS Now use this program to produce birthday or Christmas cards. Lots of fun, and the output is superb. \$15.00

APDL-157 ABC FUN KEYS is designed to introduce children from two to five years of age to the alphabet, with a dazzling and highly enjoyable series of musical games. The disk contains four related musical games and several game options structured around the alphabet. \$15.00

APDL-158 TEACHERS' DATABASE This program is designed to allow a teacher to keep a computerised file of information about students. Can handle up to 250 students at once with up to 60 items of data per student. Easy to use; menu-driven. \$15.00

APDL-159 CROSSWORD CREATOR Now you don't have to wait for Mr Wisdom's Whopper, as you can make your own crosswords. \$15.00

APDL-160 PC-ACCOUNT A sophisticated personal accounting database. \$15.00

APDL-161 EXTRO - Australian written, window-based text adventure, set in deepest space. From brilliant Wendouree (Vic.) programmer William Christie comes this adventure in which your trusty spaceship 'Rusty' is hit by a meteor while passing through the asteroid belt. All your skills will be needed to survive! \$15.00

APDL-162 CASTLE OF HORNADETTE. From Mediasoft comes an adventure with a difference! To solve it, says author Stephen Konig, you need wit, courage, skill and some luck. CASTLE OF HORNADETTE was created with CodeWriter Corporation's *AdventureWriter* program. \$15.00

APDL-163 FLIGHT SIMULATOR. Four great programs: JETSET, SOPWITH, JET PILKOT and AFS-ED. \$15.00

APDL-164 THE GREAT PAPER PLANE KIT. Construct your own paper planes, from B52's to jet fighters. Great for the kids! \$15.00

APDL-165 KID'S BANK BOOK Help your children keep track of their finances. Written so kids can understand and enjoy using the program. \$15.00

APDL-166 WORLD MAP MAKER. Print out first class maps of any part of the world, simply by entering latitude and longitude, or name. Gives orthographic viewing and Mercator projection. \$15.00

APDL-167a/b DEEP SPACE ASTRONOMY DOUBLE Two disk set which includes DEEPSpace (plot accurate custom star maps for any part of sky to brightness down to magnitude 7.2; compute an ephemeris for any comet and create an accurate finder chart); and PLANET (create a planet finder chart for an entire year as seen from earth, and plot planet orbits as seen from space). \$25.00 for two disks.

APDL-168 ASTRSOFT ASTRONOMY. Good companion to 167a/b. Solar system calculations for sun, moon, planets; orbital and physical data for all major bodies in solar system; entire Messier Catalogue, plus data on over 2000 deep space objects. \$15.00

APDL-169 SOLVE THE MURDER. Computer version of the popular sleuth game. \$15.00

APDL-170 BILLIARDS, POOL and TENNIS. Needs CGA/EGA to take advantage of excellent graphics. \$15.00

APDL-171 THREE-DIMENSIONAL CHESS. Now see the board and the pieces as though viewing a real playing setup; creates an excellent effect, and plays a mean game of chess. For serious players. \$15.00

APDL-172 CHINESE CHECKERS. Good graphics; runs with CGA/HGA and Hercules. \$15.00

APDL-173 MONOPOLY Full graphic version with board, cards and correct colours. \$15.00

APDL-174 PROFESSIONAL DRAUGHTS Great graphics. Several versions which use Hoyle and huffing rules. \$15.00

APDL-175 BEAT THE WINDIES Play world series cricket against a variety of teams; plus - as a bonus - this disk includes the fun horse racing program, NAGS. \$15.00

APDL-24 SPRITE MAKER Action and animation are on the way! SPRITE MAKER lets you create and use sprite characters in your programs. As you probably know, a sprite is a graphics figure made from a set of coloured pixels. Instead of displaying this figure, pixel by pixel, you can move the sprite around, and print it on screen, as one block. \$15.00

APDL-31 SCREEN DESIGN AID Permits effective exploitation of the graphic capabilities of your PC, when operating in the text mode. Can be used with colour or monochrome monitors, with 40 or 80 character lines; provides a simple and fast method of laying out display screens for use in other programs. \$15.00

APDL-46 TURBO PASCAL GRAPHICS FONT DESIGNER. Design new fonts; includes 12 sample fonts, including maths and chemistry fonts; needs Borland's *Turbo Pascal*. \$15.00

APDL-60 dBASE TEMPLATES Six ready-to-roll dBASE templates, including a form letter generator, mailing label manager, library routine, and the back-up routine SUPERBAK. \$15.00

APDL-32 COMMUNICATIONS UTILITIES Collection we've put together of some of the most popular, well-known communications utilities; to carry out such tasks as copy files which don't have carriage returns and add them; convert binary files; filter non-ASCII characters from a transmitted file. Disk even contains MODEM7PC, Christensen's XMODEM7 for the PC main serial port. \$15.00

APDL-34 THE BUSINESS FILE We've brought together a range of business programs from many public domain disks to cover a host of applications. Files on this disk include a depreciation calculator, large screen calculator, keypad practice typing program, critical path scheduler, disk catalog creator, simple regression/correlation matrix generator, a program compressor (SQUISH) and uncompressor (UNSQUISH) and more. \$15.00

APDL-63 THE NEW YORK UTILITIES Important collection of utility programs collected by the New York Amateur Computer Club. Includes archive utility, overwrite boot sector, examine all RAM, file encryption, list utilities, file managers, Beurg's library routines, squeeze/unsqueeze, disk catalog, display environment, sort large files, and more. \$15.00

APDL-116 THE CONFIDANT A quite startling, high security system for locking your files up so no-one can tamper with them. It comes with an excellent manual, which includes extensive reference, and easy-to-follow tutorial sections. \$15.00

APDL-67 PC-BLUE GAMES. A generous collection of games from the famous PC-Blue public domain library including the adventure ALIEN, CHESS, BIORHYTHMS, ELIZA, LIFE, JAMMER, OTHELLO, PC-PONG, LUNAR, CANNON, DRIVER, MORSECODE, MAZE and more! \$15.00

APDL-75 CREATOR, REPORT and CHEAPSORT. Easy-to-master database management system (provides record, add, delete, etc.), report generator, and database file sorter. \$15.00

APDL-04 UTILITIES Very worthwhile set of new utility programs designed to assist you in working with your PC, including BROWSE (full screen editing of any file); LBL-BAS (converts labels to line numbers); MOVE; SDIR24C (produce sorted directory listings); SP (software printer buffer); WHEREIS (searches through all DOS directories, listing matching files and their appropriate directories and sub-directories); and more. \$15.00

APDL-05 BLUEBERRY PIE More than 50 programs including EASYRITE (simple line-based word processor); BLUEBERRY (label creator, filer and record system); FILEDATE (to put a date and time stamp on your PC files); HEADCLN (disk drive cleaning utility); TASKLIST (a daily phone call and 'to do' list program); ZIPCLEAR (to clear a designated screen area); and more. \$15.00

APDL-117a/b PC-FILE+ This is the latest version, on two disks, of Jim Button's fantastic program. It comes without a complete manual (you have to pay Big Jim to get that) but if you use the teach-mode in conjunction with the notes provided (which include a very detailed 'quick reference' guide), it is a breeze to operate. (We've also included the full instruction manual for the original PC-File which will tell you a great deal more about using the program.) *Two-disks. \$25.00*

APDL-118 QUBECALC This is a true, three-dimensional spreadsheet! This is in contrast to some two-dimensional spreadsheets which let you link cells of multiple spreadsheets together, QUBECALC gives you the ability to look at your data in more ways than you ever imagined possible. You can enter data into the Qubecalc WorkQube just as you would with any other spreadsheet. You can also treat the WorkQube as if it were 64 separate spreadsheets which are linked together, but it is much more flexible than that. Features include: the ability to turn rows into columns, columns into pages, etc., to allow you to look at your data in any perspective you desire: 44 predefined functions (maths, trig., statistical, financial, date, time and logical); interactive context-sensitive help screens; recalculation of all or just part; ability to create bar charts and line graphs from your data; a powerful macro facility, and much, much more. *\$15.00*

APDL-119 FILE COMMANDO This incredible XTREE-PRO clone, the menu-driven masterpiece from Sandi and Shane Stump, comes complete with a full on-disk operations manual. *\$15.00*

APDL-122 DISK COMMANDO The second masterpiece from Sandi and Shane, this is the public domain's answer to THE NORTON UTILITIES! 17 programs to re-optimize your hard disk drive, recover (some!) delete dfiles and sub-directories, sort contents of a directory, recover (sometimes!) information from a formatted disk, time duration of processes, test for bad sectors, and the rest. The utilities in this great collection will run separately or from a menu. Note that the shareware version displays a flashing dollar sign in the menu. *\$15.00*

APDL-121 PRINTER UTILITIES This disk contains a set of utility programs which are useful in many printer applications. There are programs to print banners; print data sideways for wide documents; print spoolers; do a graphics screen dump to a wide variety of printers; permit output that would normally go to the printer to be redirected to a disk file; change printer settings; and many more. *\$15.00*

APDL-41 PARTNER This memory-resident program provides a very useful set of disk and directory maintenance programs, including provision of multiple-window access to the directories on floppy or hard disk; ability to remove, copy and rename files; technique to move files from one subdirectory to another without copying and removing; as well as space usage reports for individual files, and for the volume as a whole. Information and action is just a keystroke away, running under every program! *\$15.00*

APDL-09 BARCHART Produces hi-res bar charts for activities taking place over a 12-month period; automatically scales as needed; plus the SIGN utility; and DUMPSCRN (produces a fast, high-resolution screen dump). *\$15.00*

APDL-10 DESIGNER Major animation programming tool, designed for BASIC users working with animated graphics on the PC, includes source code; plus over 12K of text from a seminar on using graphics on the PC. *\$15.00*

APDL-11 PC-BLUE SELECTION From the famous PC-BLUE public domain library, a number of specially selected US-written utilities, including a programmer's calculator, a DOS help utility, dBASE mail list, compact XMODEM program; utility to type out 'squeezed' files; a system clock reminder; and more! *\$15.00*

APDL-13 SPOOL Contains S&SPRINT print spooler to save you oodles of time as it frees your computer for new work without having to wait until the printer has finished its current task. As an extra bonus, this disk also includes PC-COMPARE which compares files on drives A & B. *\$15.00*

APDL-17 PC YEARBOOK and USER LOG PC YEARBOOK is a high-quality calendar/appointment schedule program designed to turn your computer into a day/month/year electronic appointment book. USER LOG creates and maintains a disk-based file of computer usage. Both programs have extensive on-disk instructions. *\$15.00*

APDL-175a/b MULTIVARIATE STATISTICS Two disk set containing most of the common statistical procedures used in the behavioural sciences, including reciprocal averaging, diversity indices, and analysis of principle components. Two disks. *\$25.00*

APDL-176a/b THE FRONT OFFICE Two disk set for sales and prospect management. Includes mail labelling, job costing, order processing and more. Requires a hard disk. Two disks. *\$25.00*

APDL-177 PRINTSHOP/ PRINTMASTER TOOLS.

An incredible collection of programs to enhance the PRINTSHOP and PRINTMASTER programs. As well as the utility programs, you get more than 100 new sports graphics compatible with both programs. Very good value. *Just \$15.00*



APDL-113 HARD DISK MENU MASTER Contains AUTOMENU, a complete menu system for hard disk. Good documentation and easy to use. Disk also contains HARDMENU2, which has relatively poor documentation, which is compensated for by a very extensive help system. Highly flexible in what this program can be made to do. One user reported to us that "a big plus in HARDMENU2's favour is the password system. I don't know how they did it, but the actual passwords (and you can have up to three levels of password) appear to have been enciphered and/or hidden. I crawled all over the program and related files with all sorts of utility tools looking for them, and was unable to find or identify them." *\$15.00*

APDL-114 THE EZYKEY UTILITIES The first program, PAGER, is very useful for people who buy a lot of public domain material. It will display any ASCII text file on the screen, a page at a time. If your computer doesn't have a pause key on it (such as on the Amstrad PC), this program makes it easy to read things on the screen. SUPERDIR enhances the standard DIR command; useful to take the place of utilities such as XTREE. EZYKEY is an all-purpose utility that assigns common DOS commands to the function keys, and also saves the last 10 commands issued for recycling, through the use of the arrow keys. Plus LISTER, CLEAN, NEWKEY, WASH KBBUFF, HEXCVT, SYSTAT and SDIR, and a selection of other utility programs. *\$15.00*

APDL-115 THE SID VICIOUS GAMES PACK This disk starts off with ROUND42, a vicious invaders-type game. We've been playing it for months, and haven't got past the fourth phase. Then comes SPACEWAR, a neat asteroids-inspired game. This is followed by STRIKER (incredible arcade action; just like DEFENDER, except that you're in a helicopter). Finally, enjoy AFGHAN WAR, a war game based on the boardgame variety of war games; requires a heap of tactical and strategic thinking. *\$15.00*

APDL-133 NETHACK Now tackle the world's largest (we think!) dungeon-type adventure game. Are you brave (or dumb) enough to tackle the 28 levels, 150 rooms and seemingly endless corridors as you search for fame, fortune, and a pie in the face? *\$15.00*

APDL-134 HELP! Now this be incredible. Not only do you get a complete (pop-up) DOS guide, but access to the HELP mechanism as well. This means you can now create pop-up user-customised help menus. *\$15.00*

APDL-135 WRITER'S HEAVEN/Memory Resident Editor/PROEDIT WRITER'S HEAVEN is a program to enhance the operation of PC-Write (APDL-02) by using PC-Write macros to reassign keystrokes to better suit the needs of touch typists. MEMORY RESIDENT EDITOR is a very small, very useful, pop-up editor. PROEDIT is a cheap, simple word processor, ideal for first-time programmers. It offers basic block operations, search and replace functions, and even has an auxiliary editor which allows copying in external files. *\$15.00*

APDL-120 SIMPLE DATABASE SDB is a simple database manager for small systems, developed to provide a relatively low overhead system for storing data. SDB is a relational database providing SELECT, PROJECT and JOIN relational operations. *\$15.00*

APDL-124 PUBLIC DOMAIN BASICA If you didn't get a standard BASIC with your DOS, this great program lets you into the world of BASIC and BASICA programs. Very useful for Amstrad PC owners. *\$15.00*

FONTASTIC!

APDL-125a/b

Fontastic is a two-disk gem! It provides a large number of fonts including HELVETICA, LITE-BOLD, ITALICS, NORMAL, SCRIPT, SPECIAL, STRIKEOUT, DARKBOLD and CALIGRAPHIC. This program will print out any ASCII text file which you've prepared on your word processor, using embedded commands. An incredible bargain. *\$25.00 for two disks*

APDL-126 MAROONED AGAIN Lots of fun in this text adventurerer - designed for the seafarin' type of computer games-player. *\$15.00*

APDL-127 PC PROMPT Now you'll never forget the right format for entering a DOS command. The right format is shown on the screen as you type the command. Additional help is just a key-press away! *\$15.00*

APDL-128 ORIGAMI What will they think of next? Now you can learn the ancient art of folding paper. Swans, kites, boats, flowers and more. *\$15.00*

APDL-129a/b GENEALOGY ON DISPLAY. Now you can make sense of your family tree, all the way back from the First Fleet days! Print out your family tree, create descendant charts, parent/child indexes and more! *Two-disk set. \$25.00*

APDL-130 AMY'S FIRST PRIMER. A 'learning is fun' approach, coupled with positive reinforcement, makes this program - six games to teach basis reading skills to a pre-reading child - a delight to use. *\$15.00*

APDL-131 KIDDIE WINK GAMES Aimed at two to ten year olds, this disk contains a straight-forward approach to making fun educational, with graphics. *\$15.00*

APDL-132 HERCULES ADAPTOR This handy disk gives owners of Hercules Graphics cards the means to run software written for the IBM Colour Graphics Card. *\$15.00*

APDL-136 DISK MAGIC PLUS Here's a stunning utility for trekkin' down everything you ever wanted to know about your disk.

Menu-driven, DISK MAGIC offers you all of the following:

- *read any sector on current track
- *read next sector in current FAT train
- *edit HEX or ASCII data on screen
- *switch modes (standard/non-standard)
- *load FAT table from current disk
- *display current buffer
- *decrement/increment physical track number
- *decrement/increment physical sector number
- *read/write current sector

\$15.00

APDL-43 HARD DISK UTILITIES This is an extremely worthwhile collection of utilities for the hard disk user, compiled from over 25 disks in the famous PC-SIG library. Tracks on the disk include WRTP (make a read-only file); WRTE (make a read-only file copyable); WHEREIS (find a file anywhere on hard disk); VIEWDISK (look at individual disk sectors); VDL (file deletion utility); UNDO (allows fixed disk users to read backup diskettes); UNDEL (recovers erased files); TREED (make a directory tree); SEARCH (useful replacement for DOS path command); SDIR5 (list files by specific types and different formats); READWRIT (return a read-only file back to normal read-write status); READONLY (make a file read-only to make it unerasable); CDSECRET, MDSECRET and RDSECRET (go to a 'secret' directory; make such a directory; remove it); POKING.TXT (text file of locations of information about the hard disk); NDOSEDIT (VM-style editor for DOS commands); GDEL (menu type selective delete program); GCOPY (menu type selective copy program); FREE.COM (displays amount of actual free space on hard disk); DN, DS and DX (sort directory by name, size, extension); DISRTN (undeletes and recovers lost first sectors); DISKPARK (positions hard disk drive head in a safety zone); plus programs to sort directory, indicate which files have not been backed up, and a utility to change file attributes (hidden, read-only, etc). \$15.00

APDL-137 LARN'S ADVENTURE Now tackle the ultimate D&D-flavoured challenge in Larn's mind-boggling adventure. \$15.00

APDL-138 DEALER'S CHOICE. A generous selection of card games: Hearts, Draw Poker, Canasta and Bridge. \$15.00

APDL-139 MARTIAL ARTS Now you can pit your skills against wily and trained enemies in the martial arts arena (doesn't work on the Amstrad PC, but other compatibles are fine). \$15.00

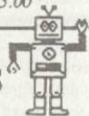
APDL-140 CHAMPIONSHIP GOLF. Now you can tackle Greg Norman on his own turf (green?) in this classic re-enactment of world class golf. \$15.00

APDL-141 RUN A RAILROAD

Now you can design and run your own multi-track railroad. Lots of fun. Includes many pre-set rail configurations, or create your own. \$15.00

APDL-142 DOS-EDIT "I have found this to be one of the most valuable programs which I have in my library" is the opinion of the PC user who supplied DOS-EDIT to us. This is a simple editor for DOS commands. Uses a special set of keys on the PC keyboard to allow you to edit the DOS command you are entering, or one of the previous commands you have entered. It keeps a command stack of the last 256 characters of commands you've entered and you can scroll back and forth through this stack. \$15.00

IBM PC PROGRAMMER'S TOOLKIT (APDL-143)



This is an incredibly useful collection of programs and routines to assist you in developing programs, and in making the most of your disks. It is supplied with a printed manual. Here's what the TOOLKIT contains:

- *AUTODEX - copy, modify, rename and otherwise manipulate contents of your disks
- *SECTSAVE - run through a disk, identifying and (if possible) salvaging bad sectors
- *LABEL - change the label on disk
- *CMP - file comparison utility which has the power to detect added and deleted sections of a file, as well as changes. The files to be compared may be specified on the same line as the calling command; output is displayed in chronological order
- *FUNCKEY - sets functions keys for maximum usefulness for programmers
- *ALTERS - allows you to change file attributes; can be used to mark files as hidden, read-only, system or normal, and to set or reset archive bit
- *READBAS - reads BASIC programs save din binary
- *COMPARE - compares two BASIC programs for differences
- *CNTRL-BR - defeats use of Cntrl-Break in programs
- *REMSTRIP - strips unneeded REMs
- *WS-DOS - converts standard DOS file into format needed by WordStar, or converts WordStar text into ASCII
- *MEMSIZE - reduces start-up time by folling computer into thinking you only have 64K
- *JOYSTIK - reads joystick port
- *LISTER1, PCLIST, PRETTYTM - produces alternative printed listings
- *XREFBUZZ - major cross-reference program with clear documentation. Several people have commented that their favourite and most useful debugging tools are a formatted listing by PCLIST and a cross-referenced listing from XREF-BUZZ
- *LINCNT - a BASIC program 'execution monitor' which can watch another program run for a while, and then report on the number of times each statement is executed; used for tuning up programs for maximum execution speed, so you can locate all the 'hot spots' and rewrite them if necessary.
- Plus RV-EDIT, B-SIMPLE, DEFINE, VUE, D.COM, DISCOPY, PAT and TYPE.

Disk plus printed manual - just \$39.95

APDL-107 COMPASS Six major programs and utilities combined into one program file! Database, word processor, spreadsheet, accounting, calendar, mailing program; plus five major utilities. An extraordinary bargain! \$15.00

APDL-108 GALAXY Here's something else that's special! A very rapid RAM-based word processor, offering an extraordinary range of professional features, yet written so the program is very easy to use. \$15.00

APDL-112 SOFT TOUCH Allows keys and keystroke sequences to be programmed with keystrokes; source file is assembly language; memory-resident \$15.00

APDL-103 BACKGAMMON Full professional implementation. Will test even the strongest players! \$15.00

APDL-105 EXTENDED DOS Host of useful extensions of common DOS commands, and adds additional features top DOS. Even has an on-line help feature. If you've mastered DOS, and now wish it did more, it does! \$15.00

APDL-110 MAHJONG The full game. Requires a colour graphics card \$15.00

APDL-111 COMPOSER A full graphics-based music editor! Needs graphics card \$15.00

APDL-92 DIGIDRAW / DESIGNER Create art works on your PC with these two programs. DESIGNER is for creating sprites; while DIGIDRAW is a general purpose drawing tool designed to operate on an IBM PC or compatible with the CGA or EGA in hi-res mode. Needs BASICA or GWBASIC. \$15.00

APDL-93 FEELTHY PICTURES Sexist and politically undesirable. Needs a graphics card; pictures include Brooke, Carol, Christie, well-endowed Exita, Madonna, Munchie, Sandra, Slave and 'Tenplus'. \$15.00

APDL-94 dBASE TUTOR. Now master dBASE. Needs dBASE to run this tutor. \$15.00

APDL-95 SYMPHONY WORKSHEETS #1 A wide variety of Lotus Symphony worksheets, macro aids, setting sheets, technical notes & application add-in programs. \$15.00 \$15.00

APDL-96 1-2-3 MACRO LIBRARY & WORKSHEETS A very valuable collection of Lotus 1-2-3 worksheets, a macro library, plus full documentation. \$15.00

APDL-97 PC-TALK III Here's an updated version of the communications program which swept the US. \$15.00

APDL-98 THE INTELLIGENT PALMREADER

Now work out what all those lines and wrinkles mean; easy to follow, includes on-screen pictures of hands so you can easily understand how to give the 'palmreader' all the information it wants. \$15.00

APDL-104 POWER MENU A new environment in which to operate your PC - giving you easy access to any application. If you don't want to get involved in things like sub-directories and the like, let POWER MENU take over all the work. Just select the application you want - with a key stroke - and you're away! \$15.00

APDL-100 FORM LETTERS Sample business letters for everything you're likely to need, from chasing debtors to soliciting orders. Load them directly into your word processor to adapt for your needs. \$15.00

APDL-101 KERMIT The complete PC to mainframe communication system, with full documentation. \$15.00

APDL-102 THE ADVENTURE QUINTET Five smashing text adventures, designed in the form of the original adventure classic, but with screen help facility. Adventures are CRIME, HAUNT, ISLAND, TERROR and SUB. \$15.00

APDL-78 POINT OF SALE/INVENTORY Complete P.O.S. & inventory program; includes cash register transaction processing; picking list generation; inventory reporting and more. \$15.00

APDL-79 CWEEP Inspired by famous CP/M utility SWEEP, this file manipulation utility allows you to carry out many, many valuable file manipulation routines; essential for heavy floppy disk users \$15.00

APDL-80 INSTANT RECALL Fascinating index program to keep track of notes, articles and the like in your filing cabinets, desk drawers, computer files, never lose data again. Hold up to 80K of info. \$15.00

APDL-81 EMPIRE - WAR GAME OF THE CENTURY Simulation of a full-scale war between two emperors (you and the computer!). Destructive! \$15.00

APDL-82 AMULET OF YENDOR D&D type adventure from Amsterdam; extensive game played on twenty levels; many monsters and powerful magic. \$15.00

APDL-83 COMPUTER AIDED INSTRUCTION COURSE BUILDER Creates CAI courses. \$18.00 (\$15 ex. tax)

APDL-84 Full screen DISASSEMBLER Includes V20 and 80836 instructions. \$15.00

APDL-109 BRIDGEPAL Your PC takes the place of the htre other players (or two players, with you playing North and South, if your team gets the bid) \$15.00

APDL-86 STOCKTRADER/MANAGE YOUR MONEY Large number of stock handling programs, plus STOCK TRADER to manage and maintain selected stocks and their value \$15.00

APDL-87 CAVEQUEST D&D type game; disk also includes Naval War Simulator & Turtle Graphics \$15.00

APDL-88 MANDELROT SET IMAGES You can now explore the amazing and beautiful results of graphic numbers from the Mandelrot Set. Fascinating material. \$15.00

APDL-89 CP/M 2.2 EMULATION Now you can run CP/M disks under PC-DOS! Needs Z-80 card. \$15.00

APDL-90 MEMORY RESIDENT UTILITIES CUT/PASTE (anything which appears on the screen can be 'cut out' and saved for later 'pasting' into an application); and **NOTEPAD** (to jot down 'notes' for later use); we'll also throw in a copy of the wordprocessor **FREWORD** with this disk. Great value! \$15.00

APDL-91 ALGOL-M Complete ALGOL implementation, including full manual, sample programs, compiler, run-time interpreter 8080 processor required. \$15.00

APDL-01 FREECALC Full electronic spreadsheet; designed to be easy for first time users \$15.00

APDL-02 PC-WRITE The most famous shareware program in the universe. Fully-featured! \$15.00

APDL-03 GAMES 1 Includes 3-DEMON, BREAKOUT, JETSET, INVADERS, PACKMAN, more! \$15.00

APDL-06 PC-FILE Second most famous shareware program in universe. Jim Button's very popular database file program; ease of use is emphasised; for anyone needing an inexpensive filing system \$15.00

APDL-08 GAMES 2 Wide range of games, including adventures CASTLE and GHOSTHUNTER, BLACK BOX, 4 IN ROW, MASTER MIND, NOUGHTS & CROSSES, BASEBALL, MADAME ZARA \$15.00

APDL-14 MOONBEAM A surprisingly popular disk. Contains MOONBEAM which determines the phase, position and illumination of the moon; also PLANETS, which calculates information relating to the position, distance, magnitude and the like for the major planets. Graphics card needed. \$15.00

BEST SELLERS!

The two top-selling disks from the Australian Public Domain Library are
APDL-85 and APDL-27:

APDL-85 GENERAL LEDGER Full general ledger program for small business/individuals; rewritten for Australian use with Australian date format and Aussie terminology in documentation. \$15.00

APDL-27 ASSEMBLY LANGUAGE TUTORIAL & ROUTINES This disk is your key to mastering assembly language programming on the PC, packed with value, routines, hints & tips. \$15.00

APDL-16 PIANOMAN Now make multi-channel music on your PC; packed with examples \$15.00

APDL-18a/b EAMON Two-disk set, to play and create adventures \$15.00

APDL-19 THE ORIGINAL CLASSIC CAVE ADVENTURE The program which started it all, with lots of 'hackers' tools to get into the program and modify it to your heart's content \$15.00

APDL-20 CHASM Full assembler, useful for those who want to learn about and use assembly language; ideal companion to disk **APDL-27** \$15.00

APDL-22 EPISTAT v3.0 Very comprehensive set of related statistical routines for manipulating data; files include BAYES, BINOMIAL, CHISQR, CORRELAT, FISHERS, HISTOGRAM, POISSON and more \$15.00

APDL-25 THE DATABASE Collection of useful database management programs; full docum. \$15.00

APDL-26 PC-DIAL Famous shareware modem communications program which employs a simple & straightforward approach, surpasses many commercial programs \$15.00

APDL-28 KID'S WORD PROCESSOR Ideal for up to 10 years, needs graphics card, great fun \$15.00

APDL-106 QUANTOIDS Seek and destroy Quantoid ships in deepest space! CGA needed. \$15.00

APDL-33 FAMILY TREE Now you can keep track of all those black sheep in your family from way back in the First Fleet days. Contains complete family tree tracking program; full instructions; widely used \$15.00

APDL-36 FORMS Form-generating program to create business forms (invoice, order, etc.) as needed \$15.00

APDL-37 MOVIE DATABASE Full info on over 2000 movies; including stars; director; awards \$15.00

APDL-39 CONSULT THE ZODIAC Know what the stars have in store for you. Contains a serious astrological program, a copious quantity of aspect, star and house information, to do all the calculations, reporting and reaching conclusions for you. This program is not a toy, and makes proper use of astrological information. \$15.00

APDL-44/45 FIDO BULLETIN BOARD Set up your own BBS; contains everything you need to get underway, including extensive documentation, works with 2 floppies but hard disk recommended \$15.00

APDL-47 WORD PROCESSOR ENHANCER Now you can 'beef up' your WP; add an outliner, spelling checker, LQ-PRINT (for letter quality print on your matrix printer), word count and more! \$15.00

APDL-48 pBASE RELATIONAL DATABASE pBASE is a database system designed for programmers in which you manipulate info in the database, and can interrogate it \$15.00

APDL-50 TRIVIA PLUS Play that well known trivia game, using the computer; additional games \$15.00

APDL-51 BEST OF AKRON USERS GROUP If you like delving into mountains of fascinating public domain software (as we do!) this collection put together by AUG will keep you happy for days \$15.00

APDL-53 PINBALL EXPLOSION Three incredible pinball games; needs graphics card \$15.00

APDL-56 PC-STYLE ANALYSER Analyse your writing for readability, ASCII or WordStar files \$15.00

APDL-57 SMALL BUSINESS EFFICIENCY PACK MicroAccounting System (ideal if you can just use a cheque register for your accounting needs), *Mail List*, and *Task Plan*, a task-planning utility \$15.00

APDL-58 RINGY DINGY Powerful, general purpose asynchronous communications program \$15.00

APDL-59 PC-CALC Highly acclaimed spreadsheet program from Jim Button, author of PC-FILE (APDL-06), complete with 86K of instructions and an example file to show PC-CALC in action. The specifications of PC-CALC are very impressive:

26 columns by 255 lines
64 characters per cell
numeric precision to 14 places
column width from 0 to 75
hard disk compatible
on-screen prompts
formulae may contain cell references,
constants, maths functions or IF/THEN
functions, separated by +, -, *, /

\$15.00

APDL-62 BOSTON BETA Created by joining 2 disks from *Boston Computer Club*; contains FINISH (powerful text formatter), RV-EDIT (full-screen editor), 3D.EXE (construct 3d plot of function), DISPLAY (bar charts), GRAPH (plot functions), dramatic graphic displays & more! Graphics card needed. \$15.00

APDL-64a/b RBBS for IBM PC. Well-written two-disk package from *Capital PC Users Group* allows you to set up your PC as a multi-user BBS; full instructions, system disk (disk 1) and source (2) \$30.00 (\$\$2.00ex. tax)

APDL-65 CHIWRITER Multifont word processor, 10 fonts per line, true 'what you see is what you get', graphics card and dot matrix printer required; fonts include gothic, italics etc. This is one of the programs provided in the desktop publishing kit. \$15.00

APDL-66 MADISON EDUCATION PLUS Series of 13 educational programs, aimed at students in final years of primary school, includes synonyms, antonyms, improved reading and number skills \$15.00

APDL-69 TIPS & TECHNIQUES FOR PC USERS It's just like a magazine on disk; with 60 articles for those who really want to know their PCs well; includes *Interfacing BASIC and machine code*; *Quick Start DOS*; *Windowing in BASIC*; *Using the MORE Filter Command*. 60 files in all! \$15.00

COMPUTER AIDED DESIGN!

APDL-70a/b PC-KEY-DRAW 2-disk set; graphics screen editor and simple CAD system; fully compatible with screens from a variety of graphics programs; can be used to generate complex background screens or to combine several screens on one page; needs 256K, two drives; standard graphics card \$25.00 for two disks

APDL-71 SIDEWRITER Print your text *sideways!* Needs 128K, Epson compatible or Thinkjet \$15.00

APDL-144a/b THE JOHNSON UTILITIES. Supplied with a 64-page printed manual, Mark Johnson of California has provided a "star-cracker collection of utilities gathered from bulletin boards and public domain collections around the States" to enhance your programming and PC life. This two-disk set includes ANSI72K, AUTOMENU, COVER, DESCRIPT, FDATE, FREE, HIDE, KNEW, MEMORY, MORERAM, MOVE2, NUMZAP, PC-DISK, SCREEN SAVER, SDIR50, SETKEY, TREEDIR, TEE, TEXT, TRACE02, UNIQCOPY, VFILER, WHEREIS and Z. Two disks, plus printed manual, \$39.95

APDL-72 HOT KEY Professional standard key redefinition program; up to 40 characters per key \$15.00

APDL-73a/b/c/d - EDUCATIONAL FLASH CARDS Four-disk educational set with 7,500 word vocabulary builder and spelling teacher; aimed at lower years of secondary school \$39.00 Four disks.

APDL-74 INFOBASE Exciting new forms-driven database management system with mailmerge! \$15.00

APDL-76 PRESENT v5.1 This fascinating program records and runs a presentation of graphics displays, like a slide show; comes with a library of pictures; needs at least 128K plus colour card \$15.00

APDL-77 MONITOR Series of routines which provide a consistent user interface for application development; helps minimize the drudgery of screen development, menus, titles, prompts and editing input, as the user interacts with your application \$15.00

Apple IIc/IIe/II+ - Educational

SKILL BUILDERS: MATHEMATICS I Students 8 to 13

This software package (disk plus comprehensive manual) is your key to helping your child develop his or her mathematical skills. It concentrates on the following vital areas:

- Addition
- Subtraction
- Multiplication
- Division • Fractions
- Decimals • Percentages

Aimed at students from eight to 13 (but very useful for encouraging the development of mathematical reasoning in those older than that, including adults), this software takes a straightforward and clear approach to its task.

There are five levels of tests in each major area. Progress scoring is automatic, and shown on-screen. The program uses the student's name, and each test can be repeated as many times as the student required (or a new one generated by the computer whenever it is wanted). Operating the software is designed to be easy and enjoyable. The choices which are open to you at various times are clearly indicated, so you are never at a loss as to what to do next. Although younger children may need a little assistance the first few times they run the program, you will find they can manage perfectly well after that.

Uses positive reinforcement teaching techniques, and gives students a second chance at each item in the test before displaying the answer.

The program can be used to generate and apply new tests in any of the subject areas, at the student's choice of five levels. This is designed to assist students in building up a 'mental database' of mathematical facts to apply to other mathematical tasks, and to encourage the development of mathematical reasoning.

\$39.95

Replicating Reality: Developing & Exploring Computer Simulations

This software package, 96-page manual plus disk, will introduce you to the potential of computer simulations. Contents include components of a simulation, feedback loops, simulating intelligence, political systems, robot control, sports and even flying a plane! Gives you the skills to analyse and create computer simulations of your own. \$45.95

Wake Up Your Financial Genius



Collection of four 'real world' financial simulation games, in which you can earn millions of imaginary dollars; allows you to test out your brains in the high-powered world of international finance. The programs, provided with a detailed instruction manual, are THE CORPORATION (run a big company), WALL STREET TRADER (buy and sell stocks and shares), THE ORE-SEEKERS (mine for precious metals), and FOREIGN EXCHANGE (make a killing on the Eurodollar market) \$45.95

Exploring Artificial Intelligence

With this software package (printed manual plus disk), you're equipped to explore and discover the world of AI in action. Programs include BLOCKWORLD (give your computer orders in ordinary English); X-SPURT (an expert system ready to train in any subject); SYLLOGY (a program which reasons); and TIC-TAC (a noughts and crosses program which improves as it plays) and more! \$45.95



Expert System Discovery Kit

Now you can explore the fascinating world of Expert Systems. With this software package (disk plus detailed manual), you'll learn about the most successful Expert System programs developed to date, and see how the field has grown over the past decade. You can get your car started in the morning with the AUTO MECHANIC program, and give yourself a quick 'stress check' with MEDICI/PERSONAL CHECKUP. The major program on the disk in this package is called FUZZY RITA, which uses fuzzy logic within the framework of an Expert System shell, which you can adapt and teach so that it becomes a genuinely useful expert on just about any subject you choose. \$45.95

Machine Code

ELIZA



A major implementation of the famous ELIZA program, which emulates the conversation of a psychiatrist. The program features an extensive vocabulary, ensuring a wide range of possible responses, and virtually instant reaction to your words. \$24.95

The FORTH Tutor

Now, with *The FORTH Tutor* (two disks plus manual), you'll soon be well on the way to mastery of this fascinating computer language. Includes a tutorial version of the language, and a complete implementation of Fig-FORTH. The detailed manual will lead you step by step to FORTH mastery. All languages have their devotees. Once you've started learning FORTH, you'll understand why few as so passionate as those who support this language. FORTH is incredible flexible, fast (typically 20 to 30 times faster than BASIC) and very compact (a complete FORTH can occupy less than 8K). Although FORTH comes with a set of standard words which it understands, these do not impose a limit on the language's future vocabulary. The inbuilt words can be used to develop your own commands. And these new commands can then be used in the construction of still further commands! This is what makes FORTH fast, powerful and flexible. \$39.95

The LISP Tutor

You can now get to grips with LISP with this tutor, which contains an introductory implementation of LISP, together with a printed manual. In addition, the Tutor includes an implementation of EASLE (Easy And Simple Lisp Emulator) which allows you to experiment with the six fundamental elements of the language. \$39.95

Apple IIc/IIe/II+ - Educational & Utilities 21

The PROLOG Tutor

PROLOG is the language used by the Japanese fifth-generation computer project as the core language for designing intelligent systems. This tutorial package includes a printed training manual, and an introductory version of PROLOG, which emulates the Simple front-end of *micro-PROLOG*. \$34.95

The Super Secret Spell Adventure

A marvellous 'create an adventure' program designed for young children (up to 8) to help them learn to spell; uses child's name, allows child to nominate names of rooms, monsters and treasures. Adults can modify the words which the program asks the child to spell. Effortless (and painless!) learning. \$24.95

TYPE

New typing tutor which is first software program to take advantage of how people learn to type. Includes real words/phrases, not random boring drills, plus advanced diagnostics to keep track of your improvement.

\$69.95

DISCOVERIES AND DIVERSIONS IN SCIENCE

Explore and understand many fascinating areas of scientific and mathematical discovery.

\$69.95

Full details on page 7

MATHEMATICAL DIVERSIONS

A host of incredible discoveries about the paradoxes and peculiarities of maths - to make on your own computer. Now you can use your computer to explore some of the most fascinating realms of mathematics. Through the programs provided with this package, and with the aid of the detailed manual, you'll now become acquainted with subjects such as permutations and combinations, some unusual applications to the laws of probability, mathematical games such as *Hex* and *Tix-Tax*, and brain-testing puzzles including the *Tower of Hanoi* and *Magic Squares*. Ideal for use at home, or in school as the basis of maths or computer science lessons.

The manual goes into the background of each discovery, the men who made it and their history, along with ideas for developing other programs and puzzles from the material discussed! You get all of the following with the MATHEMATICAL DIVERSIONS pack:

- Happy Birthday Probability
- The Endless Nine Simulations
- Combinations and Permutations
- Astronomical Numbers
- A Hex on You
- Towering Challenge
- Fibonacci Numbers
- Magic Squares
- The Infinite Prime Base Conversions
- The Exclamatory Factorial
- Beyond Palindrome Binomials
- Pascal and the Triangle
- The Marvellous Matrix

\$49.95

Extension course Computer Education

This course has been written in Australia to meet the needs of upper primary and secondary school teachers who are required to give computer science classes, and for those who are interested in developing their own computer knowledge and skills. Includes six disks of software. \$175.00
Full details on page 5.

Desktop Publishing

DESKTOP PUBLISHING: THE BOOK - \$29.95
(see page 10 for details)

DESKTOP PUBLISHING: THE CASSETTE

Learn as you listen. Cassettes from Interface are designed so you can now use waiting, driving and listening time as learning time. On DESKTOP PUBLISHING: THE CASSETTE, Tim Hartnell has condensed his acclaimed book for you on this professionally-recorded cassette.

All the vital information, all the highlights, in this easy-to-follow form, so you can gain an insight into the vital field of desktop publishing - just by listening. \$14.95

THE FASCINATING HISTORY OF COMPUTERS

Now you can become an expert on the fascinating history of calculating machines and computers, with this cassette which traces the whole story, from early mechanical computation devices like the Abacus, to present-day personal computers. \$14.95

The Signwriter

Create great big advertising signs, along the printer paper. Works with any printer. Add little pictures, even design your own (on an 8 x 8 grid)! Full instruction manual included. \$29.95

ZARDAX II

The acclaimed Australian-written word processor for the Apple II just got better.

Zardax II requires only one disk drive, and is packed with productivity and convenience features. No waiting, no wondering, no ambiguity. FAST arrow keys, fast printing, fast everything.

Zardax II even carries out ProDOS commands for you, to format disks, make subdirectories, delete or copy file and catalogues. Zardax II maintains lists, has a clipboard, glossary, does mail merge, supports hard disk drives, and is the easiest to use, most productive software available today for the Apple II. Suits IIe, IIc and IIgs.

If you want the best word processor for your Apple II, Zardax II is for you. \$160.00

The Interface Adventure Shell

This disk, which comes with an easy-to-follow instruction manual, gives you an empty 'adventure' shell, which you can use as the frame work for an infinite number of stand-alone, totally-original adventures of your own. You can even sell your adventures, without paying any royalties for use of the shell! \$19.95

The Winning Edge

If you enjoy investing on the horses, but don't enjoy it so much when your investment doesn't pay off, you'll welcome this program which is designed to give you a 'winning edge' when it comes to betting. All you have to do is answer the questions the program puts to you, on such things as the number of starts the horse has had, its total purse, whether or not it is being ridden by an apprentice and so on, and the computer will get to work to boil down the whole mass of information to suggest the horse you should back! \$41.94

COLDITZ ADVENTURE/NIELSON PAPERS

Here are two major text adventures for the Apple in the same package. THE COLDITZ ADVENTURE puts you as a prisoner of war in Colditz Castle, in East Germany. In THE NIELSON PAPERS, you have to try and get top secret papers out of a skyscraper, while avoiding electrified fences, guards and dogs! \$24.95

Utilities

Rohan Cook's
Apple ToolBox

Now you can have one of the most useful collections of Apple programming utilities on the market, with the Apple ToolBox, which comes complete with a comprehensive, easy-to-understand manual, to help you quickly make the most of the ToolBox's massive capabilities. Here's what you get:

•EASY MENU - create a disk menu from your specifications

•ZEAP - recover deleted files, change disk volume, create inverse or flashing names, remove DOS

•COMMAND CHANGER - change commands to the word or phrase of your choice

•MUSIC - program music rapidly simply by entering the notes as they appear on sheet music!

•DRAW - simple, but powerful, graphics program; create your own screens, or 'steal' others

•BASIC TO TEXT - converts programs into text files

•BINARY TO BASIC - converts binary machine code programs/data into DATA & POKE statements

\$39.95

ARIZONA
UTILITIES

A host of incredibly useful utility programs, to make programming your Apple and managing your disks as easy as possible. Contains SCREEN PRINTER; DISPLAY ASC (dumps memory); INPUT ROUTINE; TEXTFILE CONTENTS SEARCHER; SECTOR LIST; RECOVER (recovers deleted files); READ SECTOR; RAM TEST; FREECAT; FIND CONTROL CHARACTERS; EDITOR; DOS VERSION FINDER; DISK AR-RANGER; AUTONUMBER; CATALOG HEADER PROG; CONTROL SEE \$29.95



APDL-1046 DNA TUTORIAL LESSONS Master DNA. Includes complete tutorial; begin with DNA structure or with DNA replication; easy-to-follow text and graphics \$15.00

APDL-1047 GOLD RUSH Detailed simulation, starting at Sacramento to equip yourself before heading for the goldfields to make your money from the nuggets you find \$15.00

APDL-1048 PHYSICS Developed in New Zealand, this value-packed educational disk includes gas pressure demo; superposition of SHM, Rutherford's atomic model; radioactivity; Millikans experiment; projectile game; lunar module game \$15.00

APDL-1049 INCREASING YOUR FRENCH VOCABULARY Six sections of words on particular topics (such as 'the house') \$15.00

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