The Paragon Report



PARAGON COMPUTER'S free Publication with Information News and Views for ALL ATARI users

DECEMBER 1989

Compiled, Published and supplied by *PARAGON COMPUTERS*Shop 17A. / 5 Short Street
Perth. Western Australia. 6000
Phone (09) 221 3216



ST

ATARI ST Software

ST



Scruples	Entertainment	\$59.95	The Armageddon Man	Entertainment \$7	79.95
Seal And Type Keyboard Cover		\$24.95	The New Zealand Story	Entertainment \$5	59.95
Seconds Out	Entertainment	\$59.95	The Real Ghost Busters		59.95
Sentinel	Entertainment	\$52.00	The Story So Far 4 In 1		54.95
Shackled	Entertainment Adventure	\$69.95 \$79.95	Thrust Thunder		34.95 65.99
Shadowgate Shinobi	Entertainment	\$49.95	Thunder Blade	Entertainment \$6	69.95
Shortcut	Utility	\$79.95	Thunderbirds		59.95
Side Arms	Entertainment	\$69.95	Thundercats	Entertainment \$3	35.99
Signum 2	Word Processing	\$499.00	Time & Magik		65.99
Silkworm	Entertainment	\$59.95	Timelink		74.99
Sky Blaster	Entertainment Entertainment	\$45.99 \$39.95	Tom & Jerry Top Gun		59.95 39.95
Sky Fighter Sky Fox	Entertainment	\$46.95	Touch Up		279.00
Sky Plot	Educational	\$145.00	Tournament Of Death		69.95
Slap Fight	Entertainment	\$57.99	Tracker		69.95
Soccer	Entertainment	\$69.95	Trailblazer		69.95
Software Dev Gfa Basic 3	Programming	\$44.95	Trantor		69.95
Solar System	Education	\$69.95	Trauma		59.95
Solomons Key	Entertainment Entertainment	\$69.95 \$59.95	Triad Tricks And Tips		69.95 30.00
Sorcerer Lord Space Quest Iii	Adventure	\$52.95	Trigonometry		49.95
Space Ace	Entertainment	\$69.95	Trilogy		39.95
Space Harrier	Entertainment	\$69.95	Trivia Trove		39.95
Space Pilot	Entertainment	\$49.95	Trivial Pursuit		49.95
Space Port	Entertainment	\$49.95	Tune Up		69.95
Space Quest	Adventure	\$54.95	Turbo Gt		49.95
Space Quest Ii	Adventure	\$52.95	Turbo St		79.95
Space Quest Hint Books Space Station	Hint Book Entertainment	\$12.95 \$29.95	Turbo Cup Tweety Board		59.95 115.00
Spectrum 512	Graphics	\$114.99	Twist		99.95
Speedball	Entertainment	\$59.95	Typesetter Elite	Desktop Publishing \$6	
Spell Book	Educational	\$49.95	Typhoon	Entertainment \$4	49.99
Speller Bee	Educational	\$49.00	Typhoon Thompson		54.95
Spelling Bee	Educational	\$19.95	Typing Tutor		19.95
Spy V Spy	Entertainment	\$79.95	Ultima 4		79.95
St Basic To C St Doctor	Programming Utility	\$30.00 \$54.95	Uninvited Universal Military Simulator		69.95 57.99
St Karate	Entertainment	\$25.99	Vampires Empire		62.99
St Music Box	Midi	\$79.95	Vector Ball		59.95
St Protector	Entertainment	\$25.99	Vegas Gambler	Entertainment \$7	70.00
Star Glider 2	Entertainment	\$64.95	Veteran		69.95
Star Raiders	Entertainment	\$49.95	Video Titling Design Disk		59.95
Star Struck	Utility	\$59.99	Vip Professional Virus		229.00
Star Wars	Entertainment Entertainment	\$55.99 \$49.95	Virus Vixen		59.95 35.99
Starquake Statistics Vol 1	Educational	\$49.95	Voyager		61.95
Stellar Crusade	Entertainment	\$49.95	Wercs		64.95
Street Fighter	Entertainment	\$69.95	War Game Construction Set		45.95
Street Gang	Entertainment	\$65.99	War Hawk		34.95
Strike Force Harrier	Entertainment	\$55.99	War In Middle Earth		59.95
Strip Poker 2	Entertainment	\$44.95	Warlock Warship	Adventure \$6 Entertainment \$6	69.95 65.99
Strip Poker 2 Data Disk Strip Poker 2 Plus Data Disk	Entertainment Entertainment	\$49.95 \$39.95	Warzone	Entertainment \$2	29.95
Stuff	Utility	\$53.99	Weird Dreams	Entertainment \$6	69.95
Summer Olympiad	Entertainment	\$69.95	Wercs Plus	Programming \$9	99.95
Sundog	Adventure	\$84.99	Western Games	Entertainment \$5	59.95
Super Cycle	Entertainment	\$44.99	Where Time Stood Still	Entertainment \$6	69.95
Super Hang On	Entertainment	\$69.95	Whirligig	Entertainment \$5	59.95
Super Sprint	Entertainment	\$43.99	Wicked Winter Olympiad	Entertainment \$5	59.95 53.99
Superbase Professional V3 Superbase Personal	Database Database	\$499.00 \$199.00	Winter Olympiad Winter Games		49.95
Superbase Professional	Database	\$399.00	Wizard Warz	Adventure \$6	65.99
Swiftcalc	Spread Sheet	\$149.00	Wizards Crown		69.95
Tv Sports Football	Entertainment	\$54.95	Wizball	Entertainment \$5	55.99
Tai Pan	Entertainment	\$44.99	Word Perfect	Word Processing \$5	549.95
Tangle Wood	Adventure	\$69.95	Word Writer	Word Processing \$1	199.00
Tass Times In Tone Town	Adventure	\$65.99	World Class Leader Board	Entertainment \$3	39.95
Tau Ceti	Entertainment	\$69.95	World Darts		49.95
Teachers Pet	Educational Entertainment	\$45.95 \$49.95	World Darts Wrath Of Nikademus		59.95 49.95
Techno Cop Tempus	Word Processing	\$89.95	Xor		19.95
Tempus 2	Utility	\$84.95	Xenon 2	Entertainment \$5	54.95
Terramex	Entertainment	\$64.99	Zak Mckracken	Adventure \$6	61.95
Terrorpods	Entertainment	\$65.99	Zynaps		69.95
Test Drive	Entertainment	\$55.99		iniz and biniotic negaci	
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PARAGON DECEMBER ST SOFTWARE SPECIALS

ST PROGRAM Price Price Suspended Suspended ST PROGRAM Price Price Suspended St PROGRAM Price Price	Normal Price 199.00 81.99 84.00	Special Price
Advanue 509.93 Thunder Say 9 September 565.9	199.00 81.99	99.00
Sugmended 50.00 10.05 DCDI Compiler	81.99	
Suspended 59.99 19.95 BCPL Compiler	81.99	40.00
Art Library 28.00 9.95 Financial Cookbook		49.00
Asteroids 19.95 9.95 Graphic Toolbox		19.95
Vixen 35.99 29.95 Hi Jack	65.00	24.95
Cambridge LISP 340.00 99.00 Tournament of Death	69.95	19.95
Invasion 39.95 19.95 Space Pilot	49.95	19.95
Miami Mice 39.95 29.95 Trivia Trove	39.95	27.95
Chubby Gristle 59.95 39.95 Super Breakout	19.95	9.95
PC Board Designer 730.00 199.00 I Ball	34.95	19.95
Final Word 260.00 89.95 Rubber Stamp ST	69.99	24.95
Joust 69.95 59.95 Cyber Control	129.99	69.95
American Pool 39.95 19.95 Art Director	149.00	89.95
Passing Shot 54.95 29.95 Micro RTX	155.00	49.00
XOR 19.95 9.95 Text Pro	119.00	69.00
Astrology 79.95 45.00 Typesetter ST	59.99	24.95
MCC Pascal 210.00 99.00 Mail Shot	129.00	49.00
Zork 2 59.00 19.95 Business Tools	117.00	29.95
Spell Breaker 59.00 19.95 Michtron Utilities	69.95	19.95
Wish Bringer 59.00 19.95 Calandar	69.99	29.95
Moon Mist 59.00 19.95 Mighty Mail	69.99	19.95
Zork 3 59.00 19.95 Juggler	69.95	14.95
Zork 1 59.00 19.95 Mi Print	51.00	19.95
Sorcerer Hint book 19.00 9.95 GFA Artist	125.00	89.95
Aegis Animator 185.00 89.95 Intro to ST LOGO	52.00	19.95
Mind Wheel 59.95 14.95 M Copy	39.95	19.95
Compubridge 58.00 9.95 Make it Move	110.00	49.00
Habba Solutions 59.95 19.95 Algebra 1	49.00	19.95
Rugby League Boss 69.95 29.95 Pascal TDI Developer	300.00	99.00
Habba Mail Merge 69.95 19.95 Haba Writer	29.99	19.95
Mortville Manor 59.00 14.95 Trantor	69.95	50.00
Trilogy 39.95 24.95 Luxor	69.95	33.00
ECO 64.95 49.95 Fleet ST PS driver	53.00	19.95
Space Port 59.95 29.95 ST Key	49.95	19.95
Strip Poker Data 49.95 29.95 ALT Key	69.99	19.95
Mindshadow 69.00 19.95 GFA Vector	89.00	49.95
Haba Mail Room 99.95 39.95 First Mail	77.00	19.95
Pro Sprite Designer 69.95 49.95 PM Interface	60.00	29.95
A B Animator 39.95 24.95 Artura	49.95	34.95
Atari Colour Writer 95.00 24.95 Terramax	64.99	50.00

Please note that because of Paragon's high turnover of ST specialed software, some of the titles listed above are purchsed and replaced on a daily basis, and will, by the time you read this, be out of stock with another 20-30 further titles now added to this list which do not appear on this page. Please call for latest list.

Also we will be having a MIDI software special before xmas 1989 with over 40 top midi titles including DrT, Mirage, Hybrid Arts, Steinberg plus many other sequencing, editing, librarian and patch programs going out for over 70% off normal price, don't miss out on this once only offer, call now for a list of MIDI SPECIAL TITLES

Should you wish to purchase software from the ST software/hardware list in this issue of THE PARAGON REPORT by mail. 24hour delivery: please give the following details: or phone PARAGON COMPUTERS (09) 221 3216 (3 lines). Thank you.

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Any software order or software list and PARAGON REPORT will be delivered to the above address within 24 hours. Please ensure the address is correct.

G+plus

A powerful and complete replacement for Atari GDOS

Totally compatible with GDOS, and with all existing programs that use

Reload fonts and device drivers without rebooting your system.

Much faster than GDOS -- G+PLUS will not slow down your system. Special 'Solid Polyline' mode actually increases the speed of all line

drawing by 25%

Automatically load the correct ASSIGN.SYS file for each GDOS program that you use -- all you do is double click on the program and G+PLUS takes care of the rest.

* Written in 100% assembly language

Turbo ST

Turbocharge your ST Computer

* Installs as a desktop accessory.

- All the benefits of a blitter without having to modify your machine.
- Intercepts the most common O.S. calls and greatly accelerates them.
- Faster than a Mega4 fitted with blitter with most programs

* Written in 100% assembly language.

NeoDesk

The Atari ST Desktop Alternative

* Advanced, powerful, full featured, easy to use alternative desktop.

Up to seven windows open at the same time.

Keyboard equivalents for all commands.

Install program icons on the desktop.

Multiple column text file displays on desktop

* Plus many other features.

Cricit Bar Code Plus

An easy to use Business solution for retail business

* Complete cash register functions.

* Flexible inventory control for 65,500 products.

* Daily, period and yearly reporting.

* Price/product lables with optional bar cade.

* Reads bar codes directly from packaging.

* Coupon issue and redemption (fixed or % of sale)

* Customised receipts, inventory and reporting.

* Ready to mail purchase orders with automatic re-order calculation.

* Commission, Mailing lists, Laybys, stock searches and much much more.

Interlink

The supreme telecommunications solution

Autodialing with auto-retry, group dialing, auto configuration.

Recorder mode, dial around the world while you sleep.

- Remote access with password protection allows others to call your
- Built in mini word processor with copy, move search plus many more

Full set of disk commands built in.

- Background downloading. built in shell facility.
- Xmodem, Ymodem batch, Quick B and ascii transfer protocols.
- VT52, VT100, PC-ANSI, ATASCII, IBM 3101plus loadable protocols.

20 completely user definable function keys

Colour and Monochrome support, call logging, Buffer, Printer support, calculator, security and much much more.

Signum 2

The ultimate document processor

* Proportionally spaced characters on screen.

* Seven fonts may be used in a document with unlimited number of graphic

* Each Character may be displayed in up to 64 different ways.

Text/Graphic control to 1/90th inch horizontally and 1/54th vertically.

Graphic importation from any program.

* Built in font editor.

Options include: right to left cursor, print spooler, headline generator,

Font generator plus many non-roman fonts.

* Search/replace, store parameters, headers, footers, page numbering, footnotes, clipboard, line, block, page and chapter formatting, multiple column, auto backup of files and much more.

Multi Desk

Unlimited Desk Accessory power for your Atari ST

Break through the six - accessory limit

Load and use any standard ST desk accessory at any time, even while a program is running.

Install as many desk accessories as memory will allow, using only one drop down menu slot.

Load groups of up to 32 desk accessories with a click of the mouse, or

automatically at boot up. Sort desk accessories names alphabetically.

Run desk accessories as if they were programs, simply by double clicking on them.

Written in 100% assembly language.

Revolver

The ultimate switcher for the Atari ST

Run over 100 programs and accessories at the same time

Up to 8 selectable partitions

- Includes many utilities RAM disks, spoolers, mouse speeder, keyboard
- Rollout option saves complete program and memory to disk
- Full list of disk commands available from within any program

* Plus many other features

MidiMax

The real-time MIDI performance aid

* Create MIDI macros -- strings of MIDI commands that can be triggered by any MIDI event.

Remap any MIDI controller, multi channel modal harmonisation.

Single notes can generate chords of up to 18 notes.

- Instant switching between 8 MIDI chord maps, manually or via any MIDI
- Unlimited keyboard splitting, even split between each note if you wish.

Turn your ST into an intelligent through box.

* Filter MIDI events to, from or out of any channel.

HotWire

The Ultimate ST Shell

Run any ST program instantly, simply by pressing a "hot" key.

Auto start any ST program at bootup.

- No more wading through folders to find programs.
- Fully compatible with all existing ST software

Runs the programs that other shell can't.

Choose from among over 400 possible "hot" key combinations.

HotWire menu displays up to 54 programs at once, with graphic representations of their "hot" keys.

Lists of programs can be loaded and saved.

Friendly, intuitive GEM interface lets you easily customise HotWire to your own preferences.

Unique work file command line features make HotWire an excellent shell for development.

The Atari ST BOOK

Tips, Instructions, secrets and tips for the Atari ST

RAM disks, Item selectors, Desktop Inf files, Desk accessories.

Files and file management, Cold boots, warm boots, Modems.

Word processors, printer control, Desktop tricks, Copying PD software.

Application installation, Control panel.

Everything you ever wanted to know about using your Atari ST Computer

Hawk Scanners

Unparalleled performace and quality

CP14 scanner, 200 dpi 32 grey levels, photocopier, line printer.

* 432 scanner, 200,300,400 dpi. 32 grey levels

Colibri hand scanners, 100,200,300,400 dpi, 32 grey levels, with or without built in Optical Character Recognition capabilty.

Augur Optical Character Recognition available for all systems. Powerful graphics editing program included with all scanners.

With the Hawk range of scanners, you can be sure of top performance, no matter what your application.

Super Charger

External PC Board for the Atari ST

A full MS-DOS Processing system that simply plugs into the Atari ST

- * 100% Compatible with MS-DOS programs
- * DMA in and out ports
- * Hot Key allows you to run PC and ST programs at the same time.
- * Supports all internal and external 3.5", 5.25" floppy and hard drives.
- * Contains its own 512K RAM expandable to 1 MEG
- * Supports Colour and Mono monitors and parallel ports
- * Tums ST mouse into PC mouse
- * Contains its own 8Mhz V30 processor plus 8087 co-processor socket
- * Supports some AT programs such as 286 Windows
- * Built in bus for future adaption of PC expansion boards
- * Comprehensive hard disk utilities software. Norton factor 4.0 rating
- * Easy to use instruction manual, simple to set up and easy to use.

Knife ST

The Ultimate disk editor and recovery utility for the ST

- * Works with floppy, ram and hard drives.
- * Powerfu 'Build File' commands for easy recovery of files.
- * Copies damaged disks sector by sector, ignoring bad data.
- * Extensive File Allocation Table utilities including compare, analyse etc.
- * Find strings / bytes. Change bytes in ascii or hex.
- * Format a wide range of ST & IBM PC format disks
- * Full statistics on directories, BIOS parameter blocks and file clusters.
- * Edit non ST disks and much much more.

HiSoft Devpac ST

Assembler / Editor / Debuger / Linker Version 2

- * Assembles at 80,000 lines per minute, no waiting time.
- * New features include local labels, TEXT, DATA, BSS, no nesting limits.
- * Multi Windows, conditional break points, expression evaluator
- * Fast editor can run with other programs, supports block highlighting.

HiSoft WERCS

Wimp Environment Resource Construction Set

- * Create and edit Dialog Boxes, Menus, Alert Boxes, Icons
- * Edit resource files up to 64K in length, produce in any resolution.
- * Make header files for all popular languages, optional autonaming objects.
- * Unique find command, Integrated icon editor, GEM driven.
- * Full cut and paste of objects and trees, sorting of trees, use all 16 colours.

HiSoft C Interpreter

Develop, debug and test programs quickly and easily.

- * Full power over the C language, over 460 library fuctions.
- * Fast and powerful GEM based editor, Trace mode for easy debugging.
- * Complete toolbox for easier GEM programming.
- * Tutorials for the Clanguage & the GEM toolbox.
- * Built in help for quick and easy reference.
- * Link with assembly and compiled code.

Computer Guide to the Solar System

A real-life interactive scientific space atlas for the ST

- * Interactive educational environment.
- * Over one hundred 2-D and 3-D full colour graphics.
- * Dozens of animation sequences.
- * Information from the latest space missions and ground observations.
- * Watch atomic particles collide in the Sun's core.
- * Calculate your weight on other planets.
- * View a solar eclipse from outer space.
- * A real-life adventure in space science.

Compute Your Roots

Complete genealogy package for the Atari ST

- * Fully GEM operational, single entry database, complex Note/History.
- * Automatic pedigree and family links, Search 32 fields at once.
- * Supports multiple marriages, Pedigree charts, family group sheets.
- * Individual entry form, marriage entry form, family group sheet notes.
- * Individual notes, quick index lists, custom sorted lists, custom printers.
- * Supports L.D.S and Non-L.D.S. forms, colour and mono monitors.

CodeHead Utilities

A collection of useful program and desk accesories.

- * Auto organiser, Multi format graphic viewer, Custom system fonts.
- * ALT/HELP print spooler, background print spooler.
- * Configurable reset proof RAM disk, capslock desk accesory.
- * Fast disk image to file code copier. Zero disk and much much more.

RF 542R. 5.25" ST Disk Drive

5.25" disk drive that works on all ST's in 40 and 80 track

- * 40 Track mode for use with SuperCharger, PCSpeed and PC Ditto.
- * 80 Track mode for normal ST external second disk drive.
- * Mounted in metal case and professional packaging.
- * Includes all cables, power supply and instruction manual
- * Both In and Out I/O sockets mounted on rear.
- * Dip switch accessable from rear of unit ensures compatibility.
- * Compatible with all model ST's, 1040/520 ST, STF, STF, Mega 1,2,4.

GFA BASIC Version 3 Interpreter

The most popular BASIC for the Atari ST

- * Over 100,000 GFA BASIC systems in use world wide.
- * Powerful editor, Block Move/Copy/Delete, Structure checking.
- * Bomb trapping, Auto Indentation, New variable checking. Find/replace.
- * Procedure folding, Soft function keys, clock display, single key control.
- * Syntax checking, Direct mode, line number display, menu/mouse control.
- * Either 24 or 48 lines per screen.
- * Has commands to support Graphics, sound, I/O, MIDI, joystick ports.
- * Program structure controlled by IF-ELSE, IF-ELSE-ENDIF, DO-LOOP.
- * REPEAT-UNTIL, WHILE-WEND, FOR-NEXT and SELECT CASE
- * Assembler and C routines are supported, interrupt programming.
 * Over 250 more commands than version 2, 496 page manual.

GFA BASIC Version 3 Compiler

At last the Compiler Linker for GFA BASIC version 3

- * 64 page manual with seperate sections on Compiler and Linker.
- * Pages on programming accessories and program optimisation.
- * Linker can append symbol tables to disassemble and debug using symbols.
- * Create profesional commercial software packages.

Allows various compile options to be selected.

GFA Raytrace

Step into the domain of expensive workstations.

- * Place wire frame objects into a 3D world.
- * Assign different texture surfaces and different reflection characteristics.
- * Editor has 4 window view of 3D world.
- * Up to 30 lamps of various colour and intesity can be placed into 3D world.
- * Allows up to 48 clours per scan line x 200 lines providing 9600 colours
- * Works on mono or colour monitors, built in animation sequencer.
- * Degas and Neo pictures can be used as ground or sky.
- * 135 page manual containing introduction to raytracing plus tutorials.

GFA Draft Plus

General purpose CAD package for the Atari ST

- Offers facilities not found in many other graphic or CAD programs.
- Circle and ellipse segments, rounding of corners, three point curves.
- Comprhensive time saving scaling functions.
- Determines all lengths and angles according to scale. Menu driven.
- Multiple levels, Zoom in and out by factor between .01 and 10.00.
- Symbols can be created and stored and re-used.
- Superimposing of levels printed or plotted in different colours.
- 234 page manual divided into three main sections.
- Library of standard symbols supplied with program and much more.

Software Development GFA BASIC V3

Book and disk for Intermediate plus level

- 341 pages of GFA BASIC 3 development routines, tips and hints.
- Program optimisation, Structured Programming, Integer arithmatic.
- Variable pointer operations, Line A calls, Debugging, GDOS.
- Assembly routines in GFA basic, AES functions and much more.

STAD

2 and 3 dimensional drawing package for the Atari ST

- Runs on any ST with monochrome screen.
- 100 drawing screens on Mega ST4.
- Comprehensive cut and paste, circle, text, type, pitch and angle.
- Rotate, bend, outline, copy, mirror, shadow and drag.
- Magnifying glass, air-brush and painting tools.
- Scan images directly from Hawk range of scanners.
- 100 page manual with comprehensive tutorial, graphic library.
- Screens and drawing facilities linked with logical operators.
- 2 dimensional objects taken into and out of 3 dimensional section.
- * 3 dimensional images rotated along x,y,x axis or any combination.

ST WORLD Magazine (monthly)

UK's largest circulation ST non-game magazine.

- * Everything for the Atari ST in one magazine.
- * 100 pages per month of glossy colour articles for the Atari ST
- Reviews, news, new products, hardware and software.
- A real 'must buy ' for the serious ST user.

ST ACTION Magazine (monthly)

UK's largest circulation ST entertainment magazine.

- * Everything for the game playing ST user in one magazine.
- 100 full colour glossy pages of entertainment software for the ST
- Game reviews, adventure hints, new entertainment software.
- * A real 'must buy' for the ST game and adventure player.

Thats Write

A powerful new word processor for the Atari ST

- Word Star or Thats Write compatible keyboard commands
- Macros, Mail merge, Automatic indexing, selectable auto save
- 14 fonts as standard, extra fonts available, Font designer included. Fast scrolling, 150,000 word dictionary, various languages available.
- Supports graphics and text on screen, work in up to 5 columns.
- Auto, half or no hyphenation, all printers supported including SLM804
- 2 documents open at once with cut and paste between both.
- Special line, and symbol fonts included in package.
- Supports Atari SM194 A3 monitors plus many other features.

Lacer C

Fast Integrated C Language development system

- Combined GEM style programmers editor and development shell.
- Edit, compile, and debug from within the shell.
- Fast one-pass compiler generates executable MC68000 code.
- Compiler supports in-line assembly language.
- Interactive resource construction program.
- Fast linker reads both Laser C object and DRI objects.
- 650 page manual covers UNIX compatible functions, AES/VDI and A Line.
- Dynamic disk cache buffers disk access to speed compile and link cycle.
- Keeps compiler, linker and other tools RAM resident for instant startup.
- Includes Project, disassembler, egrep, archiver, file tools and much more.

LaserDB

Dual source level and assembly debugger

- * Fast and easy graphical environment.
- Evaluate C expressions to print or set variables.
- Set breakpoints in source lines or machine instructions with a mouse click.
- Execute by single stepping, tracing, full speed or return from current function
- Watch window allows monitoring of expressions, integrates with Laser shell.
- Print entire structures, see field names and values plus much more.

VersaSoft dbMAN V

All the power of dBASE III+ and more for the ST

- dBase II and dBase III Plus compatibility.
- Easy to use pull down menu interface to create, add, edit and report.
- 320 programmable commands and functions, password protection.
- Easily transport dBase III data files and programs between Atari ST and PC.
- User defined pop up windows, single command menus.
- Report writer includes 9 group levels, up to 255 columns and lines per page.
- Print lablels up to 99 across, compute running sums, counts, averages etc.
- Relate and report from up to 9 database files with lookup and scan.
- Greased Lightining Compiler available, 16 times faster than DBase III+

Tempus 2 Editor

The fastest text editor for the Atari ST

- Work on up to four files at once with incredible speed.
- Generate a cross references list of all occurrences of a particlular string.
- Check for unbalanced expressions with 4 documents.
- Sort facility allows sorting alphabetically either ascending or descending.
- Macro recording facility enables 'learning' a sequence of commands.
- Entire keyboard can be redifined by editing the appropriate system file.
- Character conversion allows the entire ascii character set to be remapped.
- File size limited only by system memory.
- All block, string and file functions plus much more.

ST Art Tablet

Digitising tablet for all Atari ST's

- * Uses Summagraphics Summasketch, the world leading graphics tablet
- Software supports 520/1040 Mega 1,2 and 4 all versions of TOS
- High 1000 line per inch resolution for greater precision.
- Positioning suspended when stylus lifted from tablet.
- Left and right mouse button on stylus, trace documents .5" thick
- * Available in three sizes 9"x6". 12x12" and 12"x18"

Personal Pascal V2

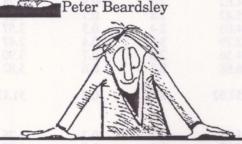
Complete Pascal software development system

- Fast, multi-file editor, 3 files at one time, cut, paste, insert and overwrite.
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- * Access to GEMDOS, BIOS, XBIOS, GEM, 500 page manual and more.

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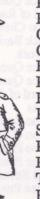
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The Battle of the ST Emulators Supercharger vs PC Speed

		PC SPEED		SUP	ERCHAR	GER
	PC Speed Time in seconds	Speed Index Relative to 4.77 Mhz PC	Speed Index Relative to 8 Mhz AT	Super Charger Time in seconds	Speed Index Relative to 4.77 Mhz PC	Speed Index Relative to 8 Mhz AT
CPU		e gynari	Saiget & C			
128K NOP Loop	4.62	2.2	0.9	4.28	2.4	1.0
Do-Nothing Loop	5.42	1.8	0.7	4.50	2.2	0.8
Integer Add Loop	4.05	2.4	0.5	3.57	2.8	0.6
Integer Multiply Loop	2.79	3.6	0.4	2.47	4.0	0.5
String Sort amd Move	4.56	2.3	0.7	3.90	2.7	0.7
Prime Number Sieve Floating point no	6.68	2.3	0.6	5.82	2.6	0.7
8087	57.52	3.4	0.8	51.13	3.0	0.7
Memory						
Conventional Read	1.95	3.1	0.7	1.76	3.4	0.8
Conventional Write	1.93	3.1	0.7	1.82	3.3	0.7
Speed	CGA	HERC	Olivetti		CGA	
Teletype to refresh	6.43	6.33	6.34		6.04	
Teletype with scrolling	10.44	10.13	10.18		7.69	
Blitz Screen	1.84	1.63	1.68		1.76	

Program	Super Charger	PC Speed	Program	Super Charger	PC Speed
Achipelagos	Y	N	Manhunter New York	Y	Y
Ballance of Power	Y	N	Norton Utilities 4.0	Y	Y
Chessmaster 2100	N	Y	Pirates	Y	N
Curse of the Azure Bonds	Y	Y	Police Quest	Y	Y
dBase III Plus	Y	Y	Police Quest II	Y	Y
DOS 3.2b	Y	Y	Pool of Radiance	Y	Y
DOS 3.30	Y	Y	Psion Chess	Y	Y
Flight Simulator III	Y	Y	Quick Basic 3.0	Y	Y
Framework III	Y	Y	Skweek	N	N
Gold Rush	Y	Y	Space Quest II	Y	Y
Kings Quest IV	Y	Y	Space Quest III	Y	Y
Leisure Suit Larry	Y	Y	Sword of Aragon	Y	Y
Leisure Suit Larry II	Y	Y	Tetris	Y	Y
Lombard Rally	N	N	Turbo Basic	Y	Y
Lotus 1-2-3	Y	Y	Turbo C 1.0	Y	Y
MS-Multiplan 3.00	Y	Y	Turbo Pascal 3.0	Y	Y
MS-Windows	Y	N	Turbo Pascal 4.0	Y	Y
Manhunter San Fransisco	Y	Y	Wall Street Wizard	Y	N
			XTree Pro	Y	Y

Welcome to the seventh edition of THE PARAGON REPORT

The magazine of *PARAGON COMPUTERS* Pty Ltd. Australia's largest ATARI only dealer



THE PARAGON REPORT contains reviews and information for Australian ST users,

The magazine is produced in house using the Paragon Desktop Publishing Solution, consisting of an ATARI Mega4. Megafile 44 hard drive. SLM804 laser printer, QMS Postscript Laser printer, Hawk CP14 Scanner, Augur OCR, Publishing Partner, PageStream, Calamus and Imagen Post Script Software.

The information for the magazine is compiled using the latest in human technology, Eyes and Ears.

Thank you to all the ST users for the moral support and for the kind remarks on the first six issues of PARAGON REPORT, (please keep it up). Due to numerous requests from readers of the first six issues, we have included a list of our ST software and hardware, we would like to remind readers that our ST software list is updated every 3 days due to the arrival of new software, we also have specials on most software at the end of the month, to make room for new stock. Please call for the latest ST software and special list

We welcome any feedback on THE PARAGON REPORT and any comments, suggestions, articles reviews or news can be sent to (The Editor) c/o PARAGON COMPUTERS or leave a message on PARAGON BBS on (09) 325 5160 (its free) or phone (09) 221 3216. / 3lines. (human response). 9am - 5.30pm W.A.S.T. Monday to Friday. 9am - 12pm W.A.S.T. Saturday. or Fax on (09) 325 8251. 24 hrs.

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Why GFA BASIC 3?

By John Peters

"Why should I upgrade from GFA BASIC 2 to version 3? "This is a question we have been asked a lot. Also "Why should I buy GFA Basic rather than one of the other Basics on the market?" Is another favourite. In an attempt to answer both questions at once here is my opinion of V3 GFA Basic, and why you should buy it.

Firstly to those of you who have already been 'converted' by getting version 2, you already know what a good, easy to use, language GFA Basic is. Those of you who have not used GFA, are sadly missing a very good programming language. The upgrade to version 3 is a must for any serious programmer, beginner or expert, since GFA Basic caters for all tastes.

Simply put, GFA V3 offers about 250 more commands than V2, in many cases reducing many lines of V2 Basic to a single line of V3, has a better editor, runs programs faster, produces smaller code when compiled and has a manual which is probably one of the best 'all round' manuals I have seen for the ST, let alone for Basic!

Commands.

If you like messing around with GEM, then GFA has commands that are very similar to C. This means that you can read any of the books written for the operating system of the ST (which all have functions written in C because the ST's OS is written in C), and apply these examples to GFA Basic, using the built in commands. A good example of this is the use of resource files in your programs, in V2 you had to do a lot of work with the AES parameter blocks, whereas in V3 you can call the functions directly. eg RSRC_LOAD("FRED.RSC") is the command to load the resource file "FRED" and is very similar to the C function. The use of commands extends over VDI, AES the use of ALINE routines etc. You can define the function keys, and there is even a 'logo' type DRAW command subset.

Another great improvement is in the use of bit manipulation, you can use the machine code equivalents or ROR, SHL, BTST etc. Variables can be 6 different types: bit, byte, word, longword, floating point and strings.

You can even use a built in SORT command to sort strings or arrays. There are just too many commands to do the justice here.

The Editor.

Again, those of you who have used V2 Basic, will be familiar with its very good editor, which owes much of its style to Pascal's structured syntax. V3's editor has been improved, in that it is quicker, has facilities to erase from the cursor to the end of the line and then replace the text into another line. You can now undelete text accidentally Control-Deleted. Then there's the novel, but useful approach of folding procedures, where once you have written a procedure, you can fold it, and all you will see in the listing is

>PROCEDURE followed by it's name. You can trace programs whilst running and direct the trace to any output device. The editor menu has a clock and the facility to use accessories, and of course, none of those horribly slow GEM windows!! You can also link into the GFA Assembler, (when it is released), to produce machine code 'patches' via the instruction INLINE. However, until GFA Assembler comes out, INLINE is for data storage of such things as screens/images etc. In your Basic program, you just load the data into the INLINE area.

Speed and all the rest.

GFA Basic 3 is about 30% faster than V2 interpreted and about 40% faster when compiled. In some instances GFA Basic is faster than compiled C, and of course the development time is a lot less. You can include compiles C or machine code routines into your Basic code on compiling it. Another plus is that you can now write accessories with V3 and the compiler. GFA Basic is certainly a language to control all aspects of the ST to its full potential, and belies its name Basic. I think it is no longer a basic language, rather a full development tool in its own right.

by John Peters

Reprinted for The Paragon Report with permission from the Editor of GFA User Barrie J Capel.

GFA User Magazine is an independant publictaion, produced by a team of dedicated writers. This very informative bi-monthly magazine for users of GFA products includes reviews of new products, readers letters, questions and ansers for GFA Basic users, GFA code listings and much more. (A 'must' for all GFA Users)

Contact Address:-

Barrie J Capel 186 Holland Street Crewe Cheshire. England. CW1 3SJ Phone (UK..270 256 429)

Peet

We have it on good authority that an upgradable version of GFA Basic V3 will soon be available to support all of the new features in the "real soon now" Atari STE including stereo sound, graphics, a to d joystick ports, hardware scrolling plus many more features. (ed)

The Paragon Report December 1989

More Power For The ST

A REVIEW OF LDW POWER SPREAD-SHEET FOR ATARI ST

by Alan Duplex

LDW POWER is a very fast and powerful spreadsheet, a graph maker, a Data Base and includes it's own programming language of macros. But it's best selling feature is it's LOTUS 1.2.3 (release 2) compatibility, so ST owners can exchange files with people less fortunate (Those that bought IBM's). And for less than half the price LDW POWER does all that LOTUS can and more!

(Now for the standard reviewers opening line.) LDW has so many features it's hard to know where to start.

(O.K. that's over. Lets start with speed)

LDW is not just fast its really fast, making it possible to leave auto-recalculate mode enabled, even with the most complex sheets. This was never possible with K-Spread 2 as it took several minutes to recalculate a large document. Like all spreadsheets, cells can contain text, values or a formula. LDW is intuitive

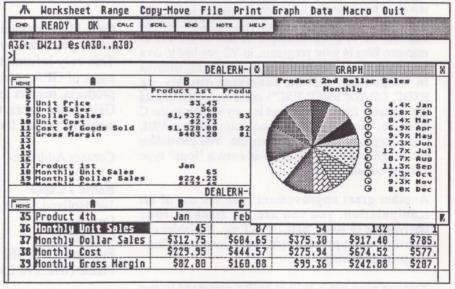
enough to identify which type you are entering as you type.

92 functions are provided, that can form part of your formulae, including some powerful financial functions like the @DDB function which calculates the depreciation expense of an asset using the accelerated depreciation method of double declining balance. Now that's a mouth full but it does show the power available with the built in functions.

range or value from your spreadsheet. Graphs can be saved with your spreadsheet or saved separately. In fact all presets are saved with the spreadsheet, even the size and position of all windows, enabling you to pick-up exactly where you left off the next time you load that file, and even this has been made easy, by saving a file as AUTO.LDW it will be loaded as soon as LDW starts up.

As if all this isn't enough LDW can also act as a data base. By setting up some columns as fields and placing your data on the rows below, LDW can then do some very comprehensive query and find operations on your data. If your data (or any other cells in your spreadsheet) are of a sensitive nature LDW provides three ways of protecting them. One is to hide them from being displayed, another is by protecting a cell or range of cells so that they cannot be modified, and for total security each file can have its own pass word and can not be reloaded until the correct pass word is entered.

And last but by no means least LDW has the ability to record and replay Macros. Macros are groups of keystrokes, but as all menu calls have keyboard equivalents, Macros effectively become a programming language letting you automate the operations required on a regular basis.



This spreadsheet contains 2,097,152 cells split into columns A to IV and rows 1 to 8192, columns can be between 1 and 126 characters wide. This makes it possible to create very large spreadsheets indeed and to make printing these more readable LDW comes with a special program that allows the sideways printing of files.

LDW lets you open four GEM windows at once plus an extra window for the graph mode (Lotus can only split the display into two) Graph mode lets you make LINE, Bar, XY, Stacked Bar or Pie graphs using any

There are many other features I could mention but suffice to say if LDW can't do what you need your problem probably won't be solved by a spreadsheet program.

Reviewed for The Paragon Report

by Alan Duplex

Interstellar Text Travel on the ST

Interstellar Text Travel on the ST

A Review of TEMPUS2
Craig VALLI VALLI VALLI VALLI

"Zippeedy doo dah zippitty eh my oh mighty what a wonderful text today"

One sultry spring night.....

"Want see the fastest text editor you have ever seen" proud owner and known Atari ST evangelist.

"Oh yeh sure" unenlightened EyeBeeM owner(loser)

"This a 250k document ok so lets scroll through it line byline and can you time it with your watch"

"Gee i forgot to bring my calendar...."

Time passes time passes in fact 1 minute 56 seconds and we have finished. This process is repeated several times much to my amusement.

"So its pretty good but thats only scrolling..." (glutton for punishment)

So after 15 - 20 minutes of facial contortion and neanderthalian mating calls a series of questions is now asked. (which only certain owners can ask)

"What ram and card are you using for the monitor?"

Chuckle! Chuckle!

"ok then the chip must be 16+Mhz and co-processed?"

Chuckle! Chuckle!

"it must have cost you a packet must be at least 400 - 500 dollars of software"

Little pause "Ah no card, no extra video ram, no co-processor, no 16 mhz plus, no \$400 plus, it uses a standard atari monitor no card, and has a clock speed of 8Mhz and around \$100 mark"

This people was a little excerpt of a conversation I had with an IBM user who could not believe his eyes and ears when shown Tempus 2. Quite frankly for a seasoned Atari ST computer user this would have to be the fastest text editor I have seen on any machine of equivalent specification.

The amount of features in Tempus 2 are pretty well boundless what this program cannot do to raw text files is not worth printing. The search and replace is so fast that you never see it happening. The first time I tried this I replaced all the is strings in Your Second Manual to the Atari ST and it seemed as nothing happened and then up came a message 1921 strings found and replaced. This particularly fast and powerful for the programmer who may wwish to change a variables name etc, or if like me you read mail echos that often have 200k of message to search through this is the one too use simply type in your keyword press the return key and whammo you have arrived.

Tempus 2 can also switch between the normal sized screen font and the more compact 8 x 8 font hence you have 48 lines to the screen. You may also set your memory parameters, it has an auto save function which you can set the time span and drive path for, a monitor protector that will blank the screen after the set time of inactivity. Function keys can be defined to insert macros of text hence very useful for the programmers. Under the about Tempus info bar you will presented with usual copyright notices plus the present edit files statistics.

The block marking, moving ,manipulation and saving is nothing short of fast and brillant on Tempus 2. Line length can be anywhere from 1 to 255, page length can be up to 999 lines. You can wrap text and unwrap text with consummate ease (sounds a bit like christmas all this wrapping).

The manual well what can I say comprehensive and very easy to read with graphical help where possible displaying any on screen menu that appears.

There are a plethora of features in Tempus 2 that will satisfy any text maniac (say it with a lisp). Where could you use this well just about anywhere as a front end to your favourite DTP package, programming language, etc etc. Tempus 2 is a well finished and presented product it is the fastest and most powerful text editor around for anything I have ever seen. In closing I would like to steal an idea from the Remington advert a couple of years ago.

"Tempus 2 the fastest, smoothest cleanest text editor in the business I was so impressed I bought the program"

Paragon Report December 1989

Thunder from your hard disk

Modifying THUNDER.ACC to run from Hard Disk By Steve Dunne

One of the limitations of using thunder as an accessory is its insistance on upon loading the configuration file (thacc.cnf) from the A: drive. Interestingly enough the .PRG version of Thunder will load its .cnf file from the current directory or folder thereby allowing it to run from a hard disk without problems.



To modify Thunder you will need a disk editor programme to search for the existing hex sequence and to subsequently enter the new values.

Thunder loads the file name "\thacc.cnf" onto the user stack ready for a GEMDOS call to check that the file exists and to load in the configuration information using a simple block move sequence. Unfortunately, however, it adds the prefix A: from a separate part of the programme which is why you can't just search for a A:\thacc.cnf and change the drive specifier around to suit.

This separate part of the programme takes the form of;

move.b #\$41,\$-B2(A6) ; Where \$41 is the Drive (A) move.b #\$3A,\$-b1(A6) ; and the \$3A is the colon.

To load Thunder from hard disk (say C:) you simply have to modify the drive specifier \$41 to \$43 (or whatever).

- 1. Search for the HEX sequence 1D 7C 00 41 (move.b #\$41,)
- 2. Change the 41 to 43 (for C drive)
- 3. and save the file back to disk. Simple !!!



Not quite. There are actually two occurences of the code that needs to be modified. So once you have found the first occurence, change it and keep searching until you have found the second. On my version of Thunder the HEX sequences are found at the relative addresses \$3A7E and \$3FFE.

The only limitations of this modification is that the thacc.cnf

file MUST reside in the root directory of the nominated drive. That is you can't copy the .cnf file into a folder.

Once you have made these modifications you can configure Thunder to load all your dictionaries etc directly of hard disk. You can now enjoy the benefits of Thunder with the speed and efficiency of a Hard Disk.

article by Steve Dunne

for

The Paragon Report December 1989

Steven Dunne 58 Kingfisher Ave BALLAJURA WA 6066 (09) 249-3581



HiSoft C

Hisoft C Interpreter review by Craig Valli

Hisoft C unlike other types of C for the Atari is and interpreted language hence the language is now learner friendly why learner friendly simply because it is interpreted thats why. The interpreter is



also backed up with a very comprehensive and complete manual as well extensive on disk help for the novice and expert.

The package is as mentioned interpreted and this maybe seen as a problem by some but a great majority of users both novice and expert will find this 'C' interpreter useful in their programming armoury. The acquistion of a compiler for most users can be had at a greater date when you have something worth compiling.

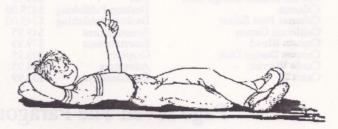
The manual like i mentioned before is very comprehensive (250 pages infact) and contains a full listing of C commands handled by the interpreter and also has the commands as listed from its source i.e UNIX, Hisoft C, Ansi etc. The manual also gives a detailed explanantion of each command and its resultant output or consequence if any. The manual is complemented very well by the help function in the program itself. By typing in the command that you require help with at the appropriate prompt you will recieve a detailed explanation of the command and what it does. The manual also provides you with some help in transporting the code from the Hisoft C interpreter to the main compilers available for the Atari ST as the Hisoft 'C' interpreter is not a full K&R implementation and falls short of the ANSI standard. The manual gives the novice also a very basic grounding in 'C' but also has a bibliography of recommended books that you can acquire, beg, borrow or steal.

The editor provided with the program is quite useful and is a mini word processor in fact its speed is most impresive. The only set back if any is that you cannot readily switch between interpreter and editor. It has ample search and replace type facilities. It is fast at scrolling through a document and the search and replace or search facilities are very fast indeed. You can aslo have up to 8 modules open on the desktop at anytime as well which is very useful indeed.

Why have I recommended this package for the expierenced 'C' user seeing as the package is orientated towards the first time user of 'C'. The answer is that not all of us like sitting around for the compiler to run through our code and then several minutes later finding out the error. An interpreter of any sort whether it be for BASIC, APL, ADA, PASCAL etc provides the user with instantaneous feedback as to where their code is going wrong. As well as this obvious advantage their are some features built in Hisoft 'C' that haver been made available. The interpreter traps all of the 68000 exceptions hence a bomb less screen. There is a variable dump mode that allows the user to examine variables and their contents after code has been executed. As well as the dump mode their is trace mode that allows the user to view a line before it is executed. Trace can be activated by a drop down menu which remains on for the duration and via software switching which can switch this mode off and on.It is similar in some ways to the TRON from BASIC's I have used.

In conclusion the possible disadvantage of using Hisoft 'C' is that it is not a full K&R implementaion and hence using files from other compilers etc may prove slightly cumbersome. However this and the fact that the language is interpreted aside Hisoft 'C' for both novice and competent users provides interesting possibilities and is worth a serious look for addition to your programming powerbox.

Reviewed for The Paragon Report by Craig Valli





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Alternate Reality (The City)	Adventure	\$65.95	Craifix Clipart Disk 3	Desktop Publishing	\$19.95
Amazon	Adventure	\$98.99	Craifix Clipart Disk 4	Desktop Publishing	\$19.95
America Cooks Chinese	Cooking	\$34.99	Craifix Clipart Disk 5	Desktop Publishing	\$19.95
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