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# The Paragon Report

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*PARAGON COMPUTER'S* free Publication  
with Information News and Views  
for ALL ATARI users  
**SEPTEMBER 1989**

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ST

ATARI ST software

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Geometry vol 2	Educational	\$49.95	Crazy cars 2	Entertainment	\$54.95
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Magical Math 1	Educational	\$19.95	Dizzy wizard	Entertainment	\$59.95
Magical Math 2	Educational	\$19.95	Double dragon	Entertainment	\$59.95
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Speller bee	Educational	\$49.00	F16 combat pilot	Entertainment	\$64.95
Spelling Bee	Educational	\$19.95	F16 falcon	Entertainment	\$64.95
Statistics vol 1	Educational	\$49.95	Fire blaster	Entertainment	\$29.95
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Aladin	Emulators	\$499.00	Flippit	Entertainment	\$39.95
Pc. ditto	Emulators	\$169.00	Football fortunes	Entertainment	\$59.99
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Adult Poker	Entertainment	\$49.95	Frost byte	Entertainment	\$64.95
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American pool	Entertainment	\$39.95	Gauntlet 2	Entertainment	\$65.99
Annals of rome	Entertainment	\$69.95	Genocide	Entertainment	\$34.95
Archipelagos	Entertainment	\$69.95	Get dexter 2	Entertainment	\$39.95
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Batman	Entertainment	\$44.95	Great giana sisters	Entertainment	\$49.95
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Chrono quest	Entertainment	\$89.95	Microprose Soccer	Entertainment	\$49.95
Chubby gristle	Entertainment	\$59.95	Mission Elevator	Entertainment	\$59.95



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Mortville manor	Entertainment	\$67.99	Summer olympiad	Entertainment	\$69.95
Navy Moves	Entertainment	\$54.95	Super cycle	Entertainment	\$44.99
Nebulas	Entertainment	\$49.95	Super hang on	Entertainment	\$69.95
Netherworld	Entertainment	\$59.95	Super sprint	Entertainment	\$43.99
Nigel Mansells Grand Prix	Entertainment	\$54.95	Tai pan	Entertainment	\$44.99
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North star	Entertainment	\$69.95	Techno Cop	Entertainment	\$49.95
Obliterator	Entertainment	\$69.95	Terramex	Entertainment	\$64.99
Ogre	Entertainment	\$67.99	Terrorpods	Entertainment	\$65.99
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Out Run	Entertainment	\$59.95	The Armageddon Man	Entertainment	\$79.95
Outcast	Entertainment	\$37.99	The Real Ghost Busters	Entertainment	\$59.95
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Star glider 2	Entertainment	\$64.95	C.o.l.r. object editor	Graphics	\$75.00
Star raiders	Entertainment	\$49.95	Cartoon design disk	Graphics	\$49.95
Star wars	Entertainment	\$55.99	Creator	Graphics	\$39.00
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Stellar crusade	Entertainment	\$49.95	Cyber sculpt	Graphics	\$169.00
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Strike force harrier	Entertainment	\$55.99	Dege elite	Graphics	\$84.95
Strip poker 2	Entertainment	\$44.95	Easy draw 2	Graphics	\$156.99
Strip poker 2 data disk	Entertainment	\$49.95	Flair Paint	Graphics	\$84.95

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Gfa artist	Graphics	\$104.99	Colour converter	Utility	\$49.95
Gfa Raytrace	Graphics	\$119.00	Compute Your Roots	Utility	\$64.95
Gfa vector	Graphics	\$89.00	Crystal	Utility	\$59.95
Graphics and sound	Graphics	\$30.00	Easy record	Utility	\$79.00
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Interior Design Disk	Graphics	\$59.00	Flash cache	Utility	\$79.95
Jackfont	Graphics	\$124.00	Fontz	Utility	\$89.95
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Ocp art studio	Graphics	\$75.99	Helpmate	Utility	\$39.95
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Genpatch st	Midi	\$239.95	Pm interface	Utility	\$59.95
Introduction to midi program	Midi	\$30.00	Pro copy	Utility	\$57.99
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Gfa basic 2 compiler	Programming	\$109.95	K roget	Word processing	\$119.00
Gfa basic programming	Programming	\$69.95	K word 2	Word processing	\$134.99
Gfa basic V3 Compiler	Programming	\$69.95	Microsoft write	Word processing	\$199.00
Gfa basic version 3	Programming	\$139.00	Protex ST Version 4	Word processing	\$199.95
GFA Companion	Programming	\$69.95	Signum 2	Word processing	\$499.00
Gfa V3 Software Development	Programming	\$39.95	Tempus	Word processing	\$89.95
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BBS Michtron	Utility	\$99.95			
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Codehead Utilities	Utility	\$44.99			

# So you want to run Macintosh software on you Atari ST.

Review by Andrew Smith for the Paragon Report.

Running Macintosh software on the Atari ST seems to be gaining more popularity with every passing day. The reason for this is easy to see, since it opens the door to a huge new world of powerful software that the Atari user can run on his ST and the Macintosh emulation is now so good, it is not unheard of for an ST user to use his ST purely for running Macintosh software. It is no wonder that many Atari ST owners are making a small investment in a Macintosh emulator, since it doubles the power of their computer.

Since there are a number of Macintosh emulators around, it is very important to choose the emulator with the right features. These features should include Stability, High Quality printer drivers and on going development and support and it for these reasons that Paragon supplies and supports the Aladin Macintosh emulator.

The Aladin emulator has one unique feature called a "superdisk", which is a reset resilient ram disk, which can be installed in the Macintosh environment and the system software can then be placed in it. With the Macintosh system, system software, like Atari's TOS, must always be present, but unlike TOS it is not installed in ROM. This means that the system information must be either on your work disk, (taking up valuable space), on your hard disk or second disk drive (if you have one of either of these) or you can load it in the superdisk. The implications of this for the average Atari user with a single drive 1040 are obvious. Once the system software is in the superdisk it can be forgotten and your entire disk is now free for programs and work, which is essential if you are to use any Macintosh software successfully.

The Aladin emulator is a very stable system and on the rare occasion that it does have a problem, the reset button can be pushed and in seconds you are back to the Macintosh desktop.

The ability to print out your work on a range of printers with high quality is vital and Aladin printer support includes Epsom, NEC, Postscript laser and the Atari SLM804 at 300 dpi. Another nice feature is the quality of Macintosh sound emulation, enabling Macintosh programs with sound to output it through the speaker on the Atari monitor.

One major difference between the Apple Macintosh and the Atari ST is the disk drive. The Macintosh disk drive is a variable speed drive whilst the Atari drive is a constant speed drive, so you cannot plug a Macintosh disk directly into an Atari drive. The data has to be transferred from the Macintosh disk to the Atari disk and this can be done simply with a cable between the modem ports of a Macintosh and Atari computer and using a program such as Microsoft Works to transfer data. Alternatively, the data can be transferred using the Discovery Cartridge or the Aladin exchanger cartridge. Paragon have some Macintosh software for sale that has already been translated and the Melbourne Atari Computers Enthusiasts club (PO Box 340, Rosanna,

Vic. 3084) have a public domain library of Macintosh software that has already been translated.

A further difference between Apple and Atari operating systems that always catches the new user, is that the Apple operating system retains control of the disk, whereas the Atari's doesn't. Put simply, when you insert a disk the Apple Macintosh operating system automatically reads the disk and the disk cannot then be removed without permission from the operating system. Using Aladin, if you remove a disk without permission, the computer will scream at you. To ask permission to remove a disk, you can push F1, use the Control and E keys or pick the disk up and put it in the trash bin. Disks can be removed when the drive light flashes and the computer makes a beeping sound, reducing the chance of corrupting a disk by removing it at the wrong time.

Using Aladin, disks can be formatted in a variety of formats from the Macintosh desktop. When a GEM or unformatted disk is inserted, a dialog box appears saying "This is not a Macintosh Disk" and offering you three alternatives: format single or double sided or eject the disk. However if at this point you push the Esc key another dialog box appears offering you the choice of more formats including 400k, 800k and Janus. Janus is basically a single sided Aladin and single sided GEM disk on the one disk and is very useful for making a complete start up disk by putting the Aladin program on the GEM side and the System on the other side. Aladin also supports Atari hard disks and this makes the using the software even easier.

The range of Macintosh software supported by Aladin is very extensive and basically you can run any, bar the very latest, software that is written according to Apple guidelines. Even the ability to run some of the very latest software will be added within the next few months.

If you are looking for a new avenue to take your ST down (Minimum of 1040ST required), then the Aladin cartridge will open a whole new world of computing to you. After purchasing your system software, there is a large amount of public domain and shareware software available to keep you occupied for a long time to come for very little extra expense.

Paragon sells the Aladin Cartridge for \$570.00, the Discovery Cartridge for \$470.00 and the Aladin exchanger for \$370.00. They also have translated software like Home Accountant for the Macintosh for \$60.00.

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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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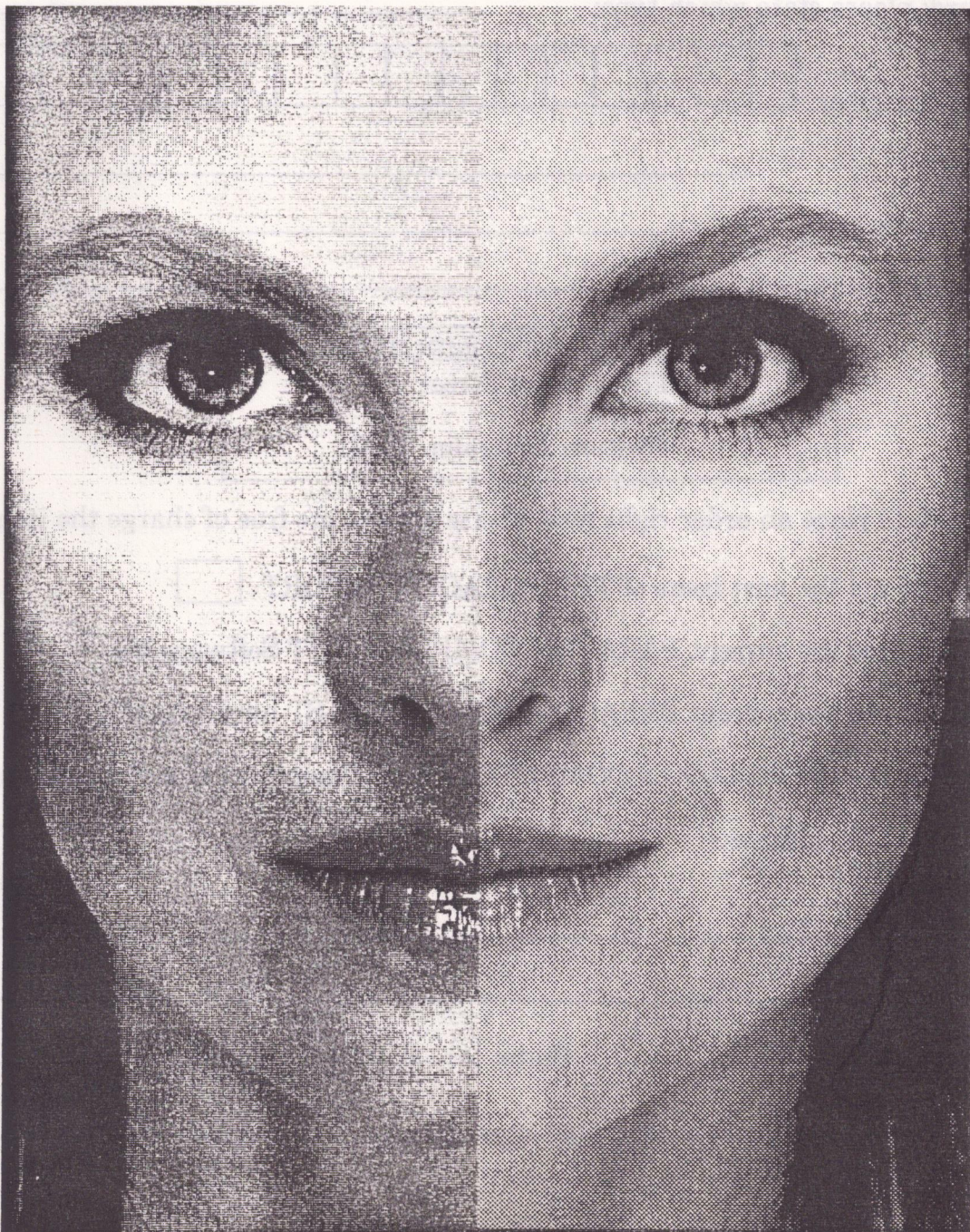
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# Welcome to the sixth edition of **THE PARAGON REPORT**

The magazine of **PARAGON COMPUTERS** Pty Ltd.  
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**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 five issues of **PARAGON REPORT**, (*please keep it up*). Due to numerous requests from readers of the first five 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. If you would like to receive a current ST software list and monthly ST software specials list on a regular basis, just fill in the form inside and post to the address below.

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.

If you would like to review some ST hardware or software for inclusion in the next issue of **THE PARAGON REPORT**, we have a special price for reviewers on all ST products from the \$3,500 Hawk CP14 Scanner to the \$5.00 mouse cover.

We would like to remind those of you out there with modems that the **FREE PARAGON BBS** is on line 24 hours a day with 300/300. 600/600. 1200/1200. 2400/2400. 1200/75. BELL. CCITT. 7 days a week. 365 days a year on (09) 325 5160. Give it a call and have your say, you never know, you may win a **FREE** box of disks.

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## The face behind the new voice on the phone at Paragon

### SIX MUNCE AGO I KUDDN'T EVEN SPELL ENJUNEER, NOW I ARE ONE!



Introducing Trevor Holland, the new guy at Paragon. Some of you will have spoken to Trev on the phone or met him at the store. He has been here for the last couple of weeks now and that is one of the reasons that we have been able to put the Paragon Report together at last. With business booming and enquiries for the ST range of computers at an all time high we have responded to your requests and put on

another staff member to the Paragon team.

Trev is a Mechanical Engineer by profession but he got bitten by the Atari bug way back in 1981, when he bought an Atari 400 (*You know, the one with the membrane key board and massive 16K memory*). He says that he made the decision to buy the Atari at the time rather than the Vic 20 because of the quality of programs like Star Raiders. He figured if a computer could be programmed to handle both the strategic and graphics number crunching like that in Star Raiders then it just had to be a good one. Of course we all know he was right and is still the best way to choose a computer. ... Check out how it works with the programs that you plan to use, then buy the hardware!

Anyway, Trev soon got involved in the Atari users club (WA) and in December '82 went into harness as the club newsletter editor where he expanded its size from two pages that month to fourteen pages plus inserts before handing the job over in late '84.

During that time he was often found at club meetings demonstrating software and holding beginners classes at club meetings and it was during one of these demos in front of the entire club that he suffered his first equipment failure - no response from the disk drive. Staggered by the repair bill he decided "enough of this" and began to do repairs for club members to save them similar horrors.

Word spread that there was an alternative and eventually he was moonlighting:- doing repairs for several outlets at night and working as an Engineer during the day. He got into the ST scene when the first shipment of 520STs was imported direct by a dealer at the time when Atari representation in Australia was dismal. Of that original shipment of 10, only two were working but he soon got them all going. One of that group had obviously given technicians a lot of trouble even before it was shipped because every last chip was fitted to sockets, which is a

trick used by repairmen to make fault diagnosis by chip swapping.

Trev decided to buy that one for himself to use as a test rig but he couldn't afford the disk drive to go with it (they were VERY expensive in those days). He found a cheap drive out of an IBM and made a WOODEN version of the special connector used by Atari for the Floppy drive socket and there he was with probably the first double sided drive Atari ST way back in '85. He still has that plug and we have threatened to take it from him and put it into a pioneer's museum somewhere to salute the ingenuity of far flung colonists. These plugs were always hard to get before we at Paragon imported them.

Colour monitors were also scarce in those days so resourceful Trev was at it once again, converting an Arcade Donkey Kong game table to use as a colour monitor.

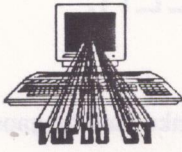
So after fighting the bug for years Trev has joined us to put full effort into what has grown to be much more than a hobby. He describes his mission as spreading the use of STs as far and wide as possible. He emphasizes the use of STs rather than just ST machines ... there is a difference. Department stores have spread machines like the C64 all over the place but with no support most of these machines have been banished to the bottom of the cupboard along with the other broken toys from last Christmas. That is not to say that there is anything wrong with the machines but we all know that without intelligent support from software and hardware and dealers who can help with support for these products then end users soon get sick of just playing games.

Trev says that he loves it when he helps someone get going with a program then they ring him back a bit later to tell him about the new work that they are doing. "I learn more about systems that way than I have ever gotten from instruction manuals, and I can use the added information to help the next new computer buyer".

So why does he love the ST so much? "If I'm going to get computers to help the most number of people, it will have to be the simplest to operate. Nothing can touch the ST in that department", says Trev. "I've come to work at Paragon because I know that Phil stuck with the ST when everyone else was quitting them for IBMs or Amoebas. Phil says that most computer salesmen are ego trippers who sit in front of a PC compatible and type in dos commands like some medieval sorcerer and I have to agree that he is right." "That isn't what I enjoy, though. What can be more satisfying than seeing someone running an ST and doing good work with it in spite of believing that they could never manage a computer?" We at Paragon can only agree.

# Turbo ST

Reviewed by Craig Vali



Being a long time believer in the adage "Time and tide wait for no man" after reading the many articles about the add on accessories that will further enhance the speed of the ST, and not having a blitter to speed things up I decided to use Turbo ST. Being the eternal pessimist that I am I thought software speed things up sure like place another worm in the barrel to really add to the mess.....

With great sarcasm as per usual I read all the hype of how wonderful this package was how it can speed up your life and how you just really couldn't do without etc,b.s,b.s. This time the hype high drama fancy packaging etc is well and truly warranted, in fact in retrospect if the disk sounded a cavalry charge before installation into memory it might be appropriate. Somewhat heavy eyed I waited for the ever daunting window to appear on my disk that has a plethora of files and it appeared. Still with the somewhat cynical sneer I scrolled the window mmmmm..... then closed the window well quicker than a rat up a drain pipe it disappeared as if by magic. With some glee I tried this again well it does work I began to think.

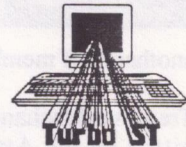
Then you name it I put it through its paces and it comes up shining in all areas that it said it would. It was tested on a variety of applications both commercial and public domain in origin encompassing spreadsheets, word processors, programming languages, text editors, communications etc. Desk accessories known to be slow were also tried and found to be much faster.

It was and still is somewhat hard to believe that a simple piece of code could do so much for a machines performance. One further investigation it was found that if you have a small memory, there is a desk accessory for each type of monitor you are using which is cut down to size from the multi res master accessory, a very wise move indeed. You

can if you also wish boot up an alternative desktop using the easel based Turbo ST once again a good thought. The documentation on the accessory itself is concise informative and understandable. For all intents and purposes it would seem that the program has been thoroughly tried and tested by the manufacturers.

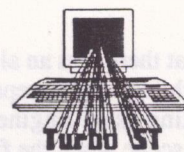
For those of you who thrive on facts and figures the following is a set of speed increases that you can expect from Turbo ST.

ST Writer	115%
Word Writer	30%
Interlink	62%
Hi Soft Basic	130%



It should be noted it does not at this stage increase speed in bit-mapped programs such as most graphics packages and some desktop publishers. This however is a very small detraction from the programs high utility in the ST operating environ.

In conclusion if you are using your ST for things other than games this piece of software is not a want but a need. The speed increases may seem minimal but for someone like me who may be at an ST as much as 16 hours per day every second counts. This software along with Revolver, Multidesk and Gdos plus should be on your shopping list because life is too short to sit around waiting for windows to move.



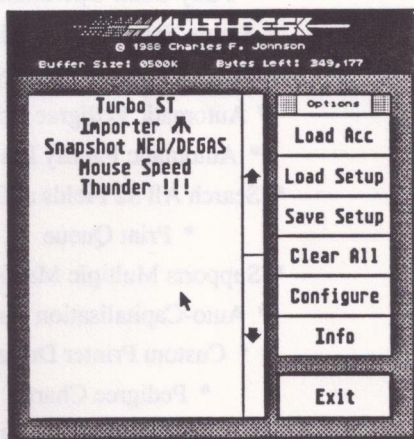
Reviewed for The Paragon Report  
by  
Craig Vali

# Multi Desk

Reviewed by Craig Vali

"Round em'up, move'em up head 'em up move'em in,...Multi-desk".

Imagine the scene your out on the computer range rounding up those useful desk accessories with Multi-desk the wonder horse. Multi-desk is one of smartest concepts I have come across on a par with Revolver, Turbo ST and a few others.



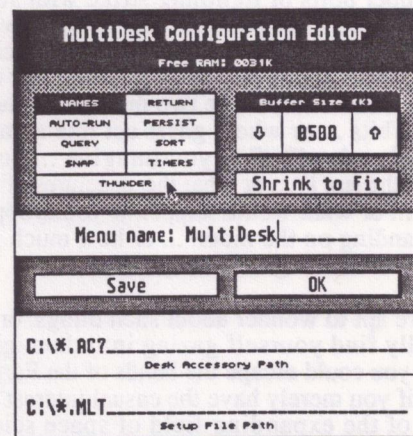
What is Multi-desk you ask well its a desk accessory with configurable memory buffers and can open up an infinite number of desk accessories and roll them in and out of memory at any time. If you allocate a buffer of say 200K and only use two accessories that are taking up about 40K you can shrink the buffer down to this size and free up 160K brilliant. If you then wish to boot more than 40K you have to free up some memory and grab it again.

Multi-desk also enables the user to save configuration files that configure sets of accessories defined by you. This is accomplished through setting up and saving these profiles and then reloading them so you can group together your accessories for specific uses. There is no need to re-boot at any stage as Multi-desk does this for you.

The documentation supplied with Multi-desk is well and truly comprehensive,

relevant and concise. Both the novice and advanced user can get something useful out of the documentation which is often not the case. The user interface on the desk accessory is easy to use and understand.

Multi-desk can also be run as a program from the desktop if you so wish to do so. You don't have to use any desk accessories and virtually use the desk accessories as real time programs. When you have finished using the program simply returns you to desktop with all RAM still intact.



Multi-desk is a well thought out, presented and highly usable product. Multi-desk is in the "must have" category of software, its conception and implementation is simply brilliant even on a 520ST.

Reviewed for  
The Paragon Report  
by  
Craig Vali



## The Paragon Report September 1989

### THE COMPUTER GUIDE TO THE SOLAR SYSTEM

*A real-life interactive scientific space atlas for the Atari ST*

*Easy and fun for everyone. This is your passport to the true wonders of our incredible Solar System! Dozens of dazzling, colourful, 3-D graphics and animations. Instantly calculate your weight on other worlds! See atomic particles collide in the Sun's core... the procession of the planets in their orbits... the cosmic dance of Pluto and its companion Charon... Eclipses... structures of the planets and much much more!*

*In the belief that fact is every bit as fascinating as fiction, WinterTech introduces "The Computer Guide to the Solar System", a real-life adventure in space science!*

Do you know ... where a world shaped like a peanut exists ... or where fountains of gases hotter than acetylene torches stretch for distances greater than that between the Earth and the Moon ... or where a storm that could swallow our entire Earth has raged for over 300 years ... or where super bolts of lightning strike with such energy that they could incinerate an entire city? Have you ever heard of a place ... where a mist of sulfuric acid stronger than that contained in car batteries constantly rains down from overhead ... or where two moons may actually exchange orbits ... or where gases act like metals and are heavier than lead? Can you imagine ... how hot the centre of the sun is ... or what the structures of the planets are like ... or what would happen if you dropped an egg while standing on the moon ... or how much you would weigh when standing on other planets?

If you are apt to wonder about such things, or if you occasionally find yourself gazing into the night sky and wishing you could escape the bonds of the Earth's gravity, or even if you merely have the casual interest in keeping abreast of the expanding field of space science, then WinterTech's "The Computer Guide to the Solar System" is for you.

"The Computer Guide to the Solar System" is an interactive space atlas of the Sun, the Moon and the planets. With information obtained from the latest space missions and ground based observations, over a hundred 2-D and 3-D full colour graphics and dozens of animations allow the user to explore the true wonders of the Solar System.

Whether you are watching atomic particles collide in the Sun's core, or calculating your weight on the other planets, or viewing a solar eclipse from outer space, you will find this program informative, fun and easy to use. Moreover you will find that fact is indeed every bit as fascinating as fiction. Copyright (c) 1989 by Wintertech

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RRP \$69.95

### Compute Your Roots

*Genealogy package for the Atari ST*

The Compute Your Roots genealogy package is designed for both small and extensive genealogy projects. Takes full advantage of the Atari ST's power. It contains an extensive array of tools to help you in your genealogy work. All of its functions are easily accessible, and are designed with speed in mind

- \* Fully GEM Operational
- \* Single Entry Disk Database
- \* Complex Note/History System
  - \* Automatic Pedigree Links
  - \* Automatic Family Links
- \* Search All 32 Fields at Once
  - \* Print Queue
- \* Supports Multiple Marriages
  - \* Auto-Capitalisation Rules
  - \* Custom Printer Driver
    - \* Pedigree Chart
    - \* Family Group Sheet
  - \* Individual Entry Form
  - \* Marriage Entry Form
- \* Family Group Sheet Notes
  - \* Individual Notes
  - \* Quick Index Lists
  - \* Custom Sorted Lists
- \* L.D.S. and Non-L.D.S. Forms
- \* Colour or Monochrome.

As a complete genealogy program, Compute Your Roots will let you enter in raw data and then organise it. Once organised you may then output the data on standard forms or custom lists. What type of data can you enter in? Well, almost any kind.

Individual Data, up to 32 different fields may be entered per individual. This includes such pertinent data as Name, Birth Date, Place, etc

Family Data, up to 8 different fields may be entered per family concerning marriage information. Each family may consist of a Husband, Wife, and up to 11 children

Note Data, all other data you have for an individual may be entered as notes which can be tagged to family group print outs

Compute Your Roots is the fast and efficient answer to genealogy for the Atari ST computer

RRP \$69.95

# The Paragon Report September 1989

## HOTWIRE

### Take your ST for a joyride

Run any ST program instantly simply by pressing a "hot" key from the ST desktop, or from the HotWire menu.

Summon up the HotWire menu instantly (whenever you're on the GEM desktop) with a keypress.

Auto-Start any ST program at bootup.

Hard disk users: no more slogging through folder after folder to run your favorite programs. Launch any program instantly with a single keypress, no matter where it resides.

Floppy disk users: just pop your program disk in the drive and hit a key. No more waiting for the desktop to open a window.

Choose from among 400 possible "hot" key combinations.

The HotWire menu displays up to 54 programs at once, with graphic representations of their associated "hot" keys. Each program can have a 20 character title (not just a filename.)

Lists of programs can be loaded and saved, either with the file selector or with a single key press.

An intuitive, aesthetically appealing GEM interface lets you easily customise the HitWire menu to your own preferences.

Unique "work file" command line features make HotWire an excellent shell for developers working in C or assembly language.

Runs either from your AUTO folder or from the desktop, and can either be installed as a resident program, or run like any other ST application.

Fixes the GEM desktops Install Application feature, so that documents do not have to be in the same directory with their related applications.

Unlike most other shell programs, HotWire works correctly with applications that communicate with desk accessories via the AES event system.

Applications that are run through HotWire behave exactly as they do when run from the GEM desktop. No mysterious glitches, or unexpected results.

Written in 100% machine language.

RRP \$52.99

## RF 542R. 5.25" ST DISK DRIVE

Some expensive 40 track only plastic cased Atari ST 5.25" disk drives allow the unit only to be used with IBM emulation programs such as PC Ditto and not as a second 80 track ST drive.

*At last a 5.25" drive for the Atari ST that works on all models from the old 520 with external drive, 1040ST, 1040STF, 1040STFM, 520STFM, Mega 2 and Mega 4. in 40 and 80 track modes*

All 5.25" drives are switchable from 40 track for use on the ST with PC Ditto or PC Ditto 2 and 80 track for use on the ST as a normal external second disk drive.

RF 542 Disk drives are mounted in a metal case and professional packaging and include all cables, power supply and instruction manual.

Both in and out I/O sockets are mounted on the rear for use as a first or second drive with the 520 and a dip switch set accessible from the rear of the unit ensures compatibility with any Atari ST computer as well allowing the unit to be configured as a 40 or 80 track drive.

Storage Capacity Formatted	
40 Track Mode	360 K bytes
80 Track Mode	720 K bytes
Data Transfer Rate	250 K bit/Sec
Recording Method	MFM
Track Density	48/96 TPI
Number of Cylinders	80
Total Number of Cylinders	160
Rotational Speed	300 rpm
Access Time (Track to Track)	3mSec
Settling Time	15mSec
Average with Settling	94mSec
Ambient Temperature	5 - 45 c
Reliability	MTBF: 10,000 POH Min
Dimensions	
Height x Width x Length	285 x 150 x 50 mm
Weight	3.3 kg

RRP \$399.00

## GFA BASIC 3.0 COMPILER

Available now. Most existing GFA BASIC 3.0 users believe that the interpreter is fast enough. Well GFA has now given you the opportunity for you to make your code even faster. Stand alone programs and Desk top accessories can be created from the compiler. Complete with 80 page manual, Compiler and Linker. The Compiler has menu driven options, allowing you to switch between the Compiler, interpreter and other development programs.

RRP \$69.95

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## GFA BASIC 3.0 Software Development Manual.

Available now, Over 350 pages of GEM, AES and VDI documentation supported by detailed examples using GFA BASIC 3.0 for serious software development. Window and Menu management explained in depth with example programs. Debugging routines, structured programming and GDOS are also covered. This Software Development Book starts where the GFA BASIC 3.0 Interpreter Manual stops, clarifying some of the difficult areas of the RCS and GEM.

RRP \$39.95

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## GFA RAYTRACE

Available now. Raytracing, long the exclusive domain of mainframes, minicomputers and workstations is now available on the Atari ST. Raytracing Algorithms simulate the path of light rays from a light source to a view point, creating photo realistic images. 48 colours per scan line - up to 512 colours per screen. Compatible with Degas, Neo and other art packages. Up to 30 light sources of various colours and intensities can be created. Animation sequences of raytraced images can also be created. Suitable for mono and colour systems

RRP \$119.00

## dBMAN V

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

dBMAN V, in a package of three separate functions: Database Management, Report printing and Program Development, is the only database management program which has all the power, flexibility and capacity that you will ever need.

At the **Database Management** level, dBMAN V allows you to structure, enter retrieve and modify data. dBMAN V can be programmed to manage your entire business including inventory control, payroll, invoicing and billing.

At the **Report Printing** level, dBMAN V has an integrated, high powered and fully relational report writer that allows you to create reports in a flash with absolutely no programming. Report layouts are designed by placing fields at the desired location on the screen. This can be accomplished with the built in cut, paste and copy functions. The finished screen layout reflects the printed output. From simple personal reports like recipe cards, mailing list and video tape libraries, to complex business reports such as inventory count sheets, packing lists, employee payroll reports and customer billing statements are easily created.

At the **Program Development** level, dBMAN V is the only database manager for the Atari ST that is compatible with the dBASE III Plus language. With this programming power, you can develop and customise any programs to fill your home and business needs. For your home, create a cheque book program, with complete bank statement balancing to manage your personal finances. For your office, customise a complete accounting system to fit your business needs

RRP \$ 399.00

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## dBMAN V Compiler

Also available for dBMAN V is the high performance **Greased Lightning Compiler**. This compiler fully supports macros and executed dBASE programs up to 16 times faster than dBASE III Plus

RRP \$134.00

# The Paragon Report September 1989

## CODEHEAD UTILITIES

A collection of useful programs and desk accessories

### MULTIFILE

A multi-featured GEM-based file handling utility, with many unique capabilities! Copy / rename / delete / move / touch groups of files with unsurpassed ease. 20 default paths can be selected with a mouse click or a key press. Send directory listings to your printer. Format 2 disks at once (with full control over parameters like sector skewing, sectors per track and number of tracks. Create change volume names. TOS version numbers and free RAM display. Turn disk write verify on/off. Toggle write protection on files. Preserve time/date stamp on copies. Sort by name extension date or size or no sort at all. All configuration options can be saved so that multifile always comes up ready for action.... and much much more. The multi level warning system lets you streamline multifile for your own purposes. Multifiles unique screen display shows up to 80 files at once, on up to five pages for directories that contain more. The entire program can be operated with either the mouse or the keyboard, and runs as either a normal program or as a desk accessory.

### AUTO ORGANIZER

Changes the order of execution of program in an AUTO folder, in a split second (You wont believe how fast this program works)

### ART GALLERY 2.0

A multi format graphic viewer/slide show. Shows DEGAS, TINY, NEO, SPECTRUM 512, and ART DIRECTOR pictures, with colour rotation. Also imports any of these formats directly into DEGAS Elite workscreen (much faster than Degas Elite itself can)

### FONT TRICK 2.0

Replaces the system font with custom font and prints it to an Epson printer (or compatible), in two sizes. Dozens of fonts are also included on the disk.

### CODEHEAD PRINT SPOOLER

Full featured user configurable printer spooler. Continue to use your computer while the Codehead printer spooler prints long text files totally in the background. The only print spooler that will buffer a ALT/HELP screen dump.

### CODEHEAD RAM DISK

Configurable reset proof RAM disk. Sets aside part of your computer memory to act as a ultra fast "virtual" reset proof ram disk drive.

### CAPSLOCK

A desk accessory that continually shows the status of the ST's CapsLock key.

### CODECOPY

A program for quickly and safely making multiple copies of a disk. Saves disk images to a file, for later use. Formats, writes and verifies disks as fast as possible.

### ZERODISK

Very quickly erases all files on a floppy disk, preserving the disks format. In a split second, you have the equivalent of a freshly formatted disk without the wait for reformatting.

## PLUS MUCH MORE

RRP \$44.99

## MULTIDESK

Unlimited desk accessory power for the 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 bootup.

Sort desk accessory names alphabetically.

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

Easy to use friendly GEM interface.

Flexible configuration options allow you to make the most efficient use of your computer's memory.

Compatible with almost all standard ST desk accessories.

Version 1.8 includes a special compatibility mode for Thunder from Electronic Arts. (Lets you turn Thunder on and off at will)

Written in 100% assembly language.

RRP \$44.99

## G+PLUS

A powerful and complete replacement for Atari GDOS

Totally compatible with GDOS, and with all existing programs that use GDOS. (For example, Easy Draw, Touch up, Timeworks Destop Publisher, Degas Elite, Word Up, Microsoft Write, etc.)

Reload fonts and device drivers without rebooting your computer.

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

Written in 100% assembly language.

RRP \$46.99

ATARI ST software



ST

ST



PROGRAM	CATEGORY	PRICE
Disk drives inside and out	Abacus book	\$30.00
Internals	Abacus disc	\$30.00
Tricks and tips	Abacus disc	\$30.00
Alternate reality (the city)	Adventure	\$65.95
Amazon	Adventure	\$98.99
Barbarian	Adventure	\$69.95
Barbarian 2	Adventure	\$59.95
Black cauldron	Adventure	\$59.95
Corruption	Adventure	\$69.95
Dark castle	Adventure	\$69.95
Defender of the crown	Adventure	\$74.00
Diamond mike	Adventure	\$49.95
Dungeon master	Adventure	\$69.95
Dungeon master hint book	Adventure	\$18.95
Elevator	Adventure	\$59.95
Elite	Adventure	\$64.95
Emmanuelle	Adventure	\$59.95
Federation Of Free Traders	Adventure	\$79.95
Galdregons domain	Adventure	\$59.95
Golden path	Adventure	\$45.00
Guild of thieves	Adventure	\$74.00
Impossible mission	Adventure	\$59.95
Jinxter	Adventure	\$57.99
Kings quest	Adventure	\$64.99
Kings quest 3 hint book	Adventure	\$12.95
Kings Quest II	Adventure	\$59.99
Kings Quest III	Adventure	\$64.99
Kings Quest IIII	Adventure	\$69.95
Knight orc	Adventure	\$59.95
Knightmare	Adventure	\$59.95
Kult	Adventure	\$69.95
Lancelot	Adventure	\$59.95
Lands of havoc	Adventure	\$59.99
Legend of the sword	Adventure	\$59.95
Leisure suit larry	Adventure	\$69.95
Leisure suit larry hint book	Adventure	\$12.95
Lesuire Suit Larry 2	Adventure	\$69.95
Mafdet	Adventure	\$69.95
Man hunter	Adventure	\$59.95
Millennium 2.2	Adventure	\$49.95
Mind fighter	Adventure	\$79.95
Mindshadow	Adventure	\$57.99
Not a penny more	Adventure	\$54.95
Oo topos	Adventure	\$34.95
Pawn	Adventure	\$79.95
Phantasie 3	Adventure	\$49.95
Police quest	Adventure	\$45.99
Police Quest 2	Adventure	\$59.95
Questron 2	Adventure	\$59.95
Rings of zilfin	Adventure	\$67.99
S.d.i	Adventure	\$69.95
Shadowgate	Adventure	\$79.95
Space quest	Adventure	\$54.95
Space quest II	Adventure	\$54.95
Space Quest III	Adventure	\$52.95
Sundog	Adventure	\$84.99
Tangle wood	Adventure	\$69.95
Tass times in tone town	Adventure	\$65.99
Time & magik	Adventure	\$65.99
Tracker	Adventure	\$69.95
Ultima 4	Adventure	\$79.95
Uninvited	Adventure	\$69.95
War in Middle Earth	Adventure	\$59.95
Warlock	Adventure	\$69.95
Wizard warz	Adventure	\$65.99
Wizards crown	Adventure	\$69.95
Zak McKracken	Adventure	\$61.95
STAC	Adventure utility	\$79.95
BEST	Business	\$495.00
Critic bar code plus	Business	\$399.00
Inventory master	Business	\$169.99
Mavis Beacon Teaches Typing	Business	\$77.99
Mini Office Professional	Business	\$69.95
PC Board Design	Business	\$399.00

PROGRAM	CATEGORY	PRICE
Phasar	Business	\$124.95
Protex file	Business	\$79.95
Protex office	Business	\$89.95
Sales pro plus	Business	\$299.00
ST Organiser	Business	\$99.00
Timelink	Business	\$74.99
Cad 3d 2.0 (1 meg)	Cad	\$180.00
Cad 3d architectural design	Cad	\$69.95
Cad 3d font package	Cad	\$49.95
Cad 3d fonts 2	Cad	\$49.95
Cad 3d future design disk	Cad	\$64.95
Cad 3d human design disk	Cad	\$69.95
Cyber control	Cad	\$105.99
Dyna CADD	Cad	\$1199.00
Genesis	Cad	\$98.99
Gfa draft plus	Cad	\$249.00
220 ST	Communications	\$79.95
Flash	Communications	\$47.99
Haba com	Communications	\$29.99
Interlink st	Communications	\$69.95
Is talk	Communications	\$89.95
Mi term	Communications	\$79.95
Mini comm	Communications	\$99.95
America cooks chinese	Cooking	\$34.99
Data manager	Database	\$149.00
Haba view	Database	\$22.99
Superbase personal	Database	\$199.00
Superbase professional	Database	\$399.00
Superbase Professional V3	Database	\$499.00
Calamus	Desktop Publishing	\$429.00
Craifix clipart disk 1	Desktop publishing	\$19.95
Craifix clipart disk 2	Desktop Publishing	\$19.95
Craifix clipart disk 3	Desktop Publishing	\$19.95
Craifix clipart disk 4	Desktop Publishing	\$19.95
Craifix clipart disk 5	Desktop Publishing	\$19.95
Craifix clipart super disk 1	Desktop Publishing	\$69.95
Desktop publisher timeworks	Desktop publishing	249.00
Educational graphics	Desktop publishing	\$49.95
Fleet st publisher slm804 dr	Desktop publishing	\$69.95
Fleet st publisher. ps driver	Desktop publishing	\$59.95
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