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# The Paragon Report



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**PARAGON COMPUTERS** free Publication  
with Information News and views  
for ALL ATARI users  
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ATARI ST software and hardware

PROGRAM	CATEGORY	PRICE	PROGRAM	CATEGORY	PRICE
220 St	Communications	\$79.95	Chopper x	Entertainment	\$29.95
3D galaxian	Entertainment	\$49.99	Chrono quest	Entertainment	\$89.95
3D graphics programming	Programming	\$30.00	Chubby gristle	Entertainment	\$59.95
A calc prime	Spread sheet	\$89.95	Circuit maker	Utility	\$119.95
A chart	Business	\$64.95	Clever and smart	Entertainment	\$46.99
Ab animator	Graphics	\$39.95	Clip art-aussi 1	Desktop publishing	\$30.00
AB zoo	Educational	\$59.95	Colonial conquest	Entertainment	\$69.95
Academy	Entertainment	\$69.95	Colour converter	Utility	\$49.95
Add with oscar	Educational	\$39.95	Computer hits	Entertainment	\$69.95
Addicta ball	Entertainment	\$29.95	Copyist	Midi	\$375.00
Aegis animator	Graphics	\$179.95	Corruption	Adventure	\$69.95
Airball construction kit	Entertainment	\$47.99	Crash garrett	Entertainment	\$65.95
Aladin	Emulators	\$499.00	Crazy cars	Entertainment	\$49.95
Algebra 1	Educational	\$59.95	Creator	Graphics	\$39.00
Algebra vol 1	Educational	\$49.95	Crystal	Utility	\$59.95
Alien syndrome	Entertainment	\$69.95	Cyber control	Cad	\$105.99
Alternate reality (the city)	Adventure	\$65.95	Cyber paint	Design	\$158.99
Amazon	Adventure	\$98.99	Cz android	Editor	\$168.99
America cooks chinese	Cooking	\$34.99	Dark castle	Adventure	\$69.95
America cooks french	Cooking	\$34.99	Data manager	Database	\$199.00
America cooks italian	Cooking	\$34.99	Datamap collection 1	Educational	\$49.99
America cooks mexican	Cooking	\$34.99	Datatrieve	Database	\$119.00
American pool	Entertainment	\$39.95	Decimal dungeon	Educational	\$49.95
Analyze	Spread sheet	\$119.00	Deep space	Entertainment	\$76.99
Annals of rome	Entertainment	\$69.95	Defender of the crown	Adventure	\$74.00
Arcade force four	Entertainment	\$79.95	Deflektor	Entertainment	\$59.95
Arctic fox	Entertainment	\$89.95	Degas elite	Graphics	\$84.99
Arena	Entertainment	\$34.99	Desktop publisher	Desktop publishing	\$249.00
Arkanoid	Entertainment	\$59.95	Devpac st	Language	\$109.00
Armageddon	Entertainment	\$79.95	Diamond mike	Adventure	\$49.95
Around the world in 80 days	Entertainment	\$69.95	Disk drives inside and out	Abacus book	\$30.00
Art director	Graphics	\$117.00	Dizzy wizard	Entertainment	\$59.95
Artura	Entertainment	\$49.95	Dr t's kcs	Midi	\$399.00
Assempro	Language	\$119.00	Dr ts 4- op delux	Midi	\$229.95
Athena ii cad	Cad	\$199.00	Dr ts dx7 heaven editor	Midi	\$229.95
Award maker plus	Utility	\$64.95	Dr ts roland mt-32 editor	Midi	\$229.95
Backlash	Entertainment	\$52.00	Dungeon master	Adventure	\$69.95
Bad cat	Entertainment	\$59.95	Dungeon master hint book	Adventure	\$18.95
Balance of power	Entertainment	\$66.99	Eagles nest	Entertainment	\$57.99
Barbarian	Adventure	\$69.95	Easy draw 2	Graphics	\$156.99
Barbarian ultimate warrior	Adventure	\$49.99	Easy record	Utility	\$79.00
Battle ships	Entertainment	\$39.95	Eco	Entertainment	\$57.99
Bbs michron	Utility	\$99.95	Elevator	Adventure	\$59.95
Best	Business	\$665.00	Elf	Entertainment	\$59.95
Better dead than alien	Entertainment	\$46.99	Empire	Entertainment	\$47.99
Beyond the ice palace	Entertainment	\$59.95	Empire strikes back	Entertainment	\$69.95
Beyond zork	Adventure	\$46.99	Enduro racer	Entertainment	\$59.95
Bionic commando	Entertainment	\$66.99	Extensor	Entertainment	\$39.95
Black cauldron	Adventure	\$64.99	Extravaganza	Entertainment	\$46.00
Black lamp	Entertainment	\$50.99	Eye	Entertainment	\$36.99
Blue war	Entertainment	\$64.95	Ez grade	Utility	\$89.95
Bmx simulator	Entertainment	\$29.95	F15 strike eagle	Entertainment	\$69.95
Bob winner	Entertainment	\$59.95	Fast asm	Language	\$54.95
Bobo	Entertainment	\$65.95	Financial cookbook	Utility	\$29.95
Bolo	Entertainment	\$59.95	Fire blaster	Entertainment	\$29.95
Bomb jack	Entertainment	\$59.95	First shapes	Educational	\$49.95
Boulder dash construction kit	Entertainment	\$39.95	First word plus version 3	Word processing	\$187.99
Brain box	Entertainment	\$59.95	Five star	Entertainment	\$79.95
Bubble ghost	Entertainment	\$69.95	Flash	Communications	\$47.99
Buggy boy	Entertainment	\$49.95	Flash cache	Utility	\$79.95
C.o.l.r. object editor	Graphics	\$75.00	Fleet st publisher slm804 dr	Desktop publishing	\$69.95
Cad 3d 2.0 (1 meg)	Cad	\$180.00	Fleet st publisher. ps driver	Desktop publishing	\$59.95
Cad 3d architectural design	Cad	\$69.95	Fleet street publisher	Desktop publishing	\$250.00
Cad 3d font package	Cad	\$49.95	Flight simulator 2	Entertainment	\$95.99
Cad 3d fonts 2	Cad	\$49.95	Flight simulator scenery 11	Flight simulator	\$69.95
Cad 3d future design disk	Cad	\$64.95	Flight simulator scenery 14	Flight simulation	\$69.95
Cad 3d human design disk	Cad	\$69.95	Flight simulator scenery 7	Flight simulator	\$69.95
Captain blood	Entertainment	\$79.95	Flight simulator scenery japan	Flight simulator	\$69.95
Carrier command	Entertainment	\$59.95	Flintstones	Entertainment	\$35.99
Cartoon design disk	Utility	\$49.95	Fontz	Utility	\$89.95
Catch 23	Entertainment	\$52.99	Football fortunes	Entertainment	\$59.99
Chamonix challenge	Entertainment	\$59.95	Football manager	Entertainment	\$29.95
Championship water skiing	Entertainment	\$69.95	Football manager 2	Entertainment	\$59.95
Championship wrestling	Entertainment	\$49.95	Formula 1 grand prix	Entertainment	\$65.00
Check minder	Home accounts	\$29.95	Forth/mt	Language	\$139.95
Checkmate	Entertainment	\$29.95	Fraction action	Educational	\$49.95
Chemistry vol 1	Educational	\$49.95	Frost byte	Entertainment	\$64.95
Chessmaster 2000	Entertainment	\$89.95	Garfield	Entertainment	\$69.95



ATARI ST software and hardware

PROGRAM	CATEGORY	PRICE	PROGRAM	CATEGORY	PRICE
Gato	Entertainment	\$95.00	Kings quest 3 hint book	Adventure	\$12.95
Gauntlet 2	Entertainment	\$65.99	Kings quest hint book	Adventure	\$12.95
Gem programmers referance	Language	\$30.00	Kings quest ii	Adventure	\$59.99
Genesis	Cad	\$98.99	Kings quest iii	Adventure	\$64.99
Geometry vol 1	Educational	\$49.95	Knight orc	Adventure	\$59.95
Get dexter 2	Entertainment	\$39.95	Knightmare	Adventure	\$59.95
Gfa artist	Design	\$104.99	Label maker	Utility	\$69.95
Gfa basic	Language	\$109.95	Lands of havoc	Adventure	\$59.99
Gfa basic compiler	Language	\$109.95	Laser c	Language	\$249.00
Gfa basic programming	Language	\$69.95	Leaderboard	Entertainment	\$47.99
Gfa basic version 3	Language	\$139.00	Leaderboard tournament disk1	Entertainment	\$37.99
Gfa draft	Cad	\$199.00	Legend of the sword	Adventure	\$59.95
Gfa draft plus	Cad	\$299.00	Leisure suit larry	Adventure	\$69.95
Gfa vector	Graphics	\$89.00	Leisure suit larry hint book	Adventure	\$12.95
Gold runner	Entertainment	\$67.99	Liberator	Entertainment	\$45.00
Golden path	Adventure	\$45.00	Linkword (french)	Educational	\$69.95
Goldrunner 2	Entertainment	\$69.95	Little computer people	Educational	\$69.95
Goldrunner 2 scenery disk	Utility	\$49.95	Livingstone	Entertainment	\$49.95
Gone fish'n	Entertainment	\$46.99	Logo user's guide	Language	\$30.00
Graphics and sound	Graphics	\$30.00	Lords of conquest	Entertainment	\$29.95
Graphicsheet	Spread sheet	\$99.00	Luxor	Entertainment	\$69.95
Great battles	Entertainment	\$49.99	M cache	Accessory	\$69.95
Great giana sisters	Entertainment	\$49.95	M.b teaches typing	Educational	\$77.99
Guild of thieves	Adventure	\$74.00	Mach 3	Entertainment	\$59.95
Gunship	Flight Simulator	\$69.95	Machine language	Language	\$30.00
Haba com	Communications	\$29.99	Macro mouse	Utility	\$59.00
Haba view	Database	\$22.99	Mafdet	Adventure	\$69.95
Haba writer	Word processing	\$22.99	Magic disk toolkit	Utility	\$89.95
Haba writer+ merge and spell	Word processing	\$99.95	Mail shot	Utility	\$89.95
Hacker ii	Entertainment	\$79.95	Maps and legends	Educational	\$69.95
Hades nebula	Entertainment	\$59.95	Marble madness	Entertainment	\$69.95
Handy scanner	Utility	\$499.00	Mark williams c	Language	\$264.99
Hard disk accelerator	Utility	\$69.95	Mark williams csd	Language	\$145.00
Hard disk backup	Utility	\$75.00	Masters of the universe	Entertainment	\$69.95
Hard disk tool kit	Utility	\$69.95	Math wizard	Educational	\$69.95
Helpmate	Utility	\$39.95	Mathtalk	Educational	\$49.95
Hollywood hijinx	Adventure	\$69.00	Mean 18	Entertainment	\$59.99
Home publisher	Desktop publishing	\$89.95	Megamax c	Language	\$389.95
Hot shot	Entertainment	\$69.95	Metrocross	Entertainment	\$59.00
Hunt for red october	Entertainment	\$69.95	Mi term	Communications	\$79.95
I ball	Entertainment	\$34.95	Miami mice	Entertainment	\$39.95
Ikari warriors	Entertainment	\$49.95	Michtron bbs v 2.1	Utility	\$109.95
Img scan	Utility	\$179.00	Michtron cards	Entertainment	\$49.95
Impact	Entertainment	\$39.95	Mickey mouse	Entertainment	\$59.95
Impossible mission	Adventure	\$59.95	Micro league wrestling	Entertainment	\$59.95
Interlink st	Communications	\$69.95	Micro rtx	Utility	\$149.95
Internals	Abacus disc	\$30.00	Microsoft write	Word processing	\$199.00
Introduction to midi program	Midi	\$30.00	Mind fighter	Adventure	\$79.95
Invasion	Education	\$59.95	Mindshadow	Adventure	\$57.99
Inventory master	Business	\$169.99	Mini comm	Communications	\$99.95
Is talk	Communications	\$89.95	Mission genocide	Entertainment	\$34.95
Jackfont	Graphics	\$124.00	Mono converter	Utility	\$49.95
Jet	Entertainment	\$79.95	Mortville manor	Entertainment	\$67.99
Jinxter	Adventure	\$57.99	Music construction set	Midi	\$49.95
Joe blade	Entertainment	\$29.95	Music studio	Midi	\$89.95
Joust	Entertainment	\$69.00	Nebulas	Entertainment	\$49.95
Juggler	Utility	\$69.95	New technology coloring book	Graphics	\$51.99
Jump jet	Entertainment	\$32.99	Night raider	Entertainment	\$69.95
Jupiter probe	Entertainment	\$50.00	Ninja mission	Entertainment	\$44.95
K minstrel	Midi	\$64.99	North star	Entertainment	\$69.95
K ram	Utility	\$49.95	Not a penny more	Adventure	\$54.95
K resource	Utility	\$89.95	Obliterator	Entertainment	\$69.95
K rhymes	Word processing	\$59.95	Ocp art studio	Graphics	\$75.99
K rikki	Graphics	\$59.95	Ogre	Entertainment	\$67.99
K roget	Word processing	\$119.00	Oids	Entertainment	\$69.95
K seka	Language	\$129.95	Oo topos	Adventure	\$34.95
K spread	Spread sheet	\$109.95	Out run	Entertainment	\$69.95
K spread 2	Spread sheet	\$164.99	Outcast	Entertainment	\$37.99
K switch	Utility	\$59.95	Overlander	Entertainment	\$69.95
K switch 2	Utility	\$79.95	Pandora	Entertainment	\$52.95
K word 2	Word processing	\$134.99	Partner st	Utility	\$139.95
Karate kid 2	Entertainment	\$69.95	Pascal	Language	\$219.95
Karting	Entertainment	\$29.95	Passengers on the wind	Adventure	\$69.95
Kidtalk	Educational	\$49.00	Pawn	Adventure	\$79.95
Killdozers	Entertainment	\$69.95	Pc. ditto	Emulators	\$169.00
Kinderama	Educational	\$69.95	Peeks and pokes	Utility	\$30.00
Kings quest	Adventure	\$64.99	Personal pascal	Language	\$147.99
Kings quest 2 hint book	Adventure	\$12.95	Phantasie	Adventure	\$69.95



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PROGRAM	CATEGORY	PRICE	PROGRAM	CATEGORY	PRICE
Phasar	Accounts	\$124.95	Space port	Entertainment	\$49.95
Picstrip	Utility	\$19.95	Space quest	Adventure	\$59.99
Pinball factory	Entertainment	\$59.95	Space quest II	Adventure	\$69.95
Pink panther	Entertainment	\$69.95	Space station	Entertainment	\$29.95
Planetarium	Educational	\$79.95	Spectrum 512	Design	\$114.99
Platoon	Entertainment	\$69.95	Spell book	Educational	\$49.95
Pm interface	Utility	\$59.95	Spell with oscar	Educational	\$39.95
Police quest	Adventure	\$45.99	Speller bee	Educational	\$49.00
Pre school kidprogs	Educational	\$59.95	Spitfire 40	Entertainment	\$69.95
Predator	Entertainment	\$59.95	Spy v spy	Entertainment	\$79.95
Printmaster	Desktop publishing	\$67.99	St basic to c	Language	\$30.00
Printmaster art gallery 1	Graphics	\$59.95	St doctor	Utility	\$54.95
Printmaster art gallery 2	Graphics	\$59.95	St karate	Entertainment	\$25.99
Pro 24	Midi	\$599.95	St music box	Midi	\$79.95
Pro copy	Utility	\$57.99	St protector	Entertainment	\$25.99
Pro fortran	Language	\$295.00	St replay	Digitising	\$299.00
Pro light	Midi	\$69.95	Stac	Adventure utility	\$79.95
Pro midi	Midi	\$69.95	Star glider 2	Entertainment	\$69.95
Pro sprite designer	Design	\$69.95	Star raiders	Entertainment	\$49.95
Prohibition	Entertainment	\$49.95	Star struck	Utility	\$59.99
Prosound digitizer	Utility	\$199.99	Star trek (the rebel universe)	Adventure	\$59.95
Protect	Word processing	\$180.00	Star wars	Entertainment	\$55.99
Protect filer	Utility	\$79.95	Starglider	Entertainment	\$65.99
Protect office	Utility	\$89.95	Starquake	Entertainment	\$49.95
Publishing partner	Desktop publishing	\$174.99	Stellar crusade	Entertainment	\$65.99
Publishing partner clip art 1	Desktop Publishing	\$35.00	Stock market	Entertainment	\$69.95
Publishing partner clip art 2	Desktop Publishing	\$35.00	Stos	Utility	\$99.00
Publishing partner clip art 3	Desktop Publishing	\$35.00	Street fighter	Entertainment	\$69.95
Publishing partner clip art 4	Desktop Publishing	\$35.00	Street gang	Entertainment	\$65.99
Publishing partner clip art 6	Desktop publishing	\$35.00	Strike force harrier	Entertainment	\$55.99
Publishing partner font disk 0	Desktop publishing	\$35.00	Strip poker 2	Entertainment	\$44.95
Publishing partner font disk 1	Desktop publishing	\$35.00	Strip poker 2 data disk	Entertainment	\$49.95
Publishing partner font disk 2	Desktop publishing	\$35.00	Strip poker 2 plus data disk	Entertainment	\$39.95
Publishing partner font disk 3	Desktop Publishing	\$35.00	Stuff	Utility	\$53.99
Publishing partner font disk 4	Desktop publishing	\$35.00	Summer olympiad	Entertainment	\$69.95
Publishing partner font disk 5	Desktop publishing	\$35.00	Sundog	Adventure	\$84.99
Publishing partner font disk 6	Desktop publishing	\$35.00	Super cycle	Entertainment	\$44.99
Quadralien	Entertainment	\$69.95	Super directory	Utility	\$65.99
Quantum paintbox	Design	\$69.95	Super hang on	Entertainment	\$69.95
Questron 2	Adventure	\$59.95	Super sprint	Entertainment	\$43.99
Quick list plus	Utility	\$19.95	Super tex	Utility	\$34.95
Quizam	Entertainment	\$89.95	Superbase personal	Database	\$199.00
R.a.i.d	Utility	\$69.95	Superbase professional	Database	\$399.00
Red alert	Entertainment	\$39.99	Superbike challenge	Entertainment	\$49.95
Return to genesis	Entertainment	\$59.95	Swiftcalc	Spread sheet	\$199.00
Revenge of doh	Entertainment	\$59.95	Tai pan	Entertainment	\$44.99
Rings of zilfin	Adventure	\$67.99	Tangle wood	Adventure	\$69.95
Road runner	Entertainment	\$69.95	Tass times in tone town	Adventure	\$65.99
Roadwar 2000	Entertainment	\$59.95	Tau ceti	Entertainment	\$69.95
Roadwar europa	Entertainment	\$55.99	Teachers pet	Educational	\$45.95
Rockford	Entertainment	\$49.95	Temple of apshai	Adventure	\$47.99
Rolling thunder	Entertainment	\$54.99	Tempus	Word processing	\$89.95
Rugby league boss	Entertainment	\$69.95	Tenth frame	Entertainment	\$47.99
S.d.i	Adventure	\$69.95	Terramex	Entertainment	\$64.99
Sales pro plus	Accounts	\$299.00	Terrorpods	Entertainment	\$65.99
Sapiens	Entertainment	\$59.95	Test drive	Entertainment	\$55.99
Saved	Utility	\$69.95	Tetris	Entertainment	\$59.99
Scrabble	Entertainment	\$59.95	Thrust	Entertainment	\$34.95
Scruples	Entertainment	\$59.95	Thunder	Word processing	\$65.99
Seconds out	Entertainment	\$59.95	Thundercats	Entertainment	\$35.99
Sentinel	Entertainment	\$52.00	Time & magik	Adventure	\$65.99
Shackled	Entertainment	\$69.95	Timelink	Utility	\$74.99
Shadowgate	Adventure	\$79.95	Top gun	Entertainment	\$39.95
Shortcut	Accessory	\$79.95	Tournament of death	Entertainment	\$69.95
Side arms	Entertainment	\$69.95	Tracker	Adventure	\$69.95
Sidewalk	Adventure	\$64.99	Trailblazer	Entertainment	\$69.95
Signum 2	Word processing	\$499.00	Trantor	Entertainment	\$69.95
Silent service	Entertainment	\$69.95	Trauma	Entertainment	\$59.95
Sky blaster	Entertainment	\$45.99	Tricks and tips	Abacus disc	\$30.00
Sky fighter	Entertainment	\$39.95	Trilogy	Utility	\$39.95
Sky fox	Entertainment	\$46.95	Trip a tron	Utility	\$95.00
Sky plot	Educational	\$145.00	Trivia trove	Entertainment	\$39.95
Slap fight	Entertainment	\$57.99	Trivial pursuit	Entertainment	\$59.95
Soccer	Entertainment	\$69.95	Tune up	Utility	\$69.95
Solomons key	Entertainment	\$69.95	Turbo GT	Entertainment	\$49.95
Space ace	Entertainment	\$69.95	Turbo ST	Utility	\$79.95
Space harrier	Entertainment	\$69.95	Twist	Utility	\$99.95
Space pilot	Entertainment	\$49.95	Typesetter elite	Utility	\$69.95



ATARI ST software and hardware

PROGRAM	CATEGORY	PRICE	HARDWARE	CATEGORY	PRICE
Typhoon	Entertainment	\$49.99	Flying flight simulator	Books	\$29.95
Ultima 4	Adventure	\$79.95	Music through midi	Books	\$49.00
Uninvited	Adventure	\$69.95	Atari st user's guide	Books	\$47.00
Universal military simulator	Entertainment	\$57.99	More st applications	Books	\$39.95
Vampires empire	Entertainment	\$62.99	St artist	Books	\$39.95
Vector ball	Entertainment	\$59.95	Gfa programmers reference	Books	\$45.00
Vegas gambler	Entertainment	\$70.00	Atari st book	Books	\$35.00
Veteran	Entertainment	\$69.95	Intro to sound & graphics	Books	\$39.95
Video titling design disk	Utility	\$59.95	Elementary atari st	Books	\$39.95
Vip professional	Spread sheet	\$229.99	Compute 1st book of atari	Books	\$35.00
Virus	Entertainment	\$59.95	1St steps in 68000 ass/l	Books	\$39.95
Vixen	Entertainment	\$35.99	Using st basic	Books	\$34.00
War hawk	Entertainment	\$34.95	The desktop guide to dtp	Books	\$29.95
Warlock	Adventure	\$69.95	Atari st application prg	Books	\$49.95
Warship	Entertainment	\$65.99	Gfa basic quick ref guide	Books	\$35.00
Warzone	Entertainment	\$29.95	Program in gfa basic	Books	\$35.00
Wercs	Utility	\$69.95	Gfa basic trng reboot cam	Books	\$39.95
Wercs plus	Utility	\$99.95	Learning c on atari st	Books	\$49.95
Western games	Entertainment	\$59.95	Using logo on the st	Books	\$29.95
Where time stood still	Entertainment	\$69.95	Amiga cables	Cables	\$20.00
Whirligig	Entertainment	\$59.95	Amstrad cables	Cables	\$20.00
Winnie the pooh	Adventure	\$44.99	Keyboard pc extension	Cables	\$15.00
Winter games	Entertainment	\$49.95	Centronics male to male	Cables	\$32.00
Winter olympiad 88	Entertainment	\$53.99	Rs232	Cables	\$22.00
Wizard warz	Adventure	\$65.99	Joystick leads	Cables	\$18.50
Wizards crown	Adventure	\$69.95	Centronics Printer cables	Cables	\$20.00
Wizball	Entertainment	\$55.99	Joystick extensions	Cables	\$18.95
World Darts	Entertainment	\$59.95	I/o cables	Cables	\$19.95
World Games	Entertainment	\$49.95	Atari cc90b	Calculators	\$17.95
Zynaps	Entertainment	\$69.95	Atari cc191	Calculators	\$21.95
			Atari cc1800	Calculators	\$32.95
			Atari cc190	Calculators	\$29.95
			520 Stfm	Computers	\$ CALL
			1040 Stfm	Computers	\$ CALL
			Mega 4	Computers	\$ CALL
			Mega 2	Computers	\$ CALL
			Pc3	Computers	\$ CALL
			Pc3 with 30 meg drive	Computers	\$ CALL
			Copy holder standard	Copy holders	\$29.95
			Stick on	Copy holders	\$16.95
			Silicon Animation Mach (ST)	Digitiser	\$599.00
			Cs100	Disk boxes	\$29.95
			Cs120	Disk boxes	\$34.95
			Ds 501 3.5"	Disk boxes	\$14.50
			Ds 1401 5.25"	Disk boxes	\$23.95
			Ds 401 3.5"	Disk boxes	\$12.95
			Ds 1001	Disk boxes	\$19.95
			3.5 Cleaner	Disk cleaners	\$12.95
			5.25 Head c/kits	Disk cleaners	\$7.95
			5.25 40/80 Trk d/drive	Disk drives	\$499.00
			Sh 205 hard disk	Disk drives	\$1199.00
			Xf551	Disk drives	\$375.00
			Sf 314	Disk drives	\$445.00
			Chinon mechs	Disk drives	\$299.00
			5.25 40 Track	Disk drives	\$345.00
			Dn001 d/n	Disk notchers	\$9.95
			Disk notcher	Disk notchers	\$7.95
			5.25 Wallet	Disk wallets	\$21.95
			5.25 Skc marked	Disks	\$16.50
			3.5 Skc marked	Disks	\$28.00
			3.5 Skc plain	Disks	\$26.00
			5.25 Plain	Disks	\$9.00
			5.25 Skc 1.6m	Disks	\$39.95
			External drive clear	Dust covers	\$14.95
			External drive plain	Dust covers	\$18.50
			Internal drive clear	Dust covers	\$15.95
			Internal drive plain	Dust covers	\$21.95
			Aladin	Emulators	\$499.00
			Twinpacks	Joysticks	\$24.95
			Ecp 220	Joysticks	\$24.95
			Js303	Joysticks	\$29.95
			Atari cx 40	Joysticks	\$14.95
			Challenger	Joysticks	\$19.95
			Bathandle command	Joysticks	\$49.95
			Boss	Joysticks	\$39.95
			Redball command	Joysticks	\$49.95
			Threeway	Joysticks	\$64.95
			Quick shot 1	Joysticks	\$29.95
HARDWARE	CATEGORY	PRICE			
Db15 backshells	Accessories	\$1.10			
Double adapters	Accessories	\$8.00			
Centronics printer plugs	Accessories	\$13.00			
Telephone cord	Accessories	\$9.50			
Telephone extension	Accessories	\$9.50			
Micro economy coloured	Binders	\$2.50			
2 Ring	Binders	\$3.00			
Sheet protectors	Binders	\$16.50			
From basic to c compute	Books	\$37.95			
Complete desktop publish	Books	\$44.95			
Mastering word perfect	Books	\$43.95			
Programming the 68000	Books	\$49.95			
Mastering c	Books	\$43.95			
Pascal progs in sci & eng	Books	\$44.95			
Understanding midi	Books	\$14.99			
Intro to sound & graphics	Books	\$33.95			
Atari st graphics applic	Books	\$39.99			
Gem on the atari st	Books	\$39.99			
Using st basic	Books	\$39.95			
St advanced prog guide	Books	\$30.00			
St applications	Books	\$45.00			
St tricks and tips	Books	\$39.00			
St graphics and sound	Books	\$39.00			
3D graphics	Books	\$49.00			
Gem reference guide	Books	\$39.00			
Basic training guide	Books	\$34.00			
Logo users guide	Books	\$39.00			
St internals	Books	\$39.00			
St machine language	Books	\$39.00			
St logo users guide	Books	\$39.00			
Presenting the atari st	Books	\$39.00			
St for beginners	Books	\$39.00			
Peeks and pokes	Books	\$39.00			
St basic to c	Books	\$39.00			
Computer animation	Books	\$49.95			
Assembly language	Books	\$49.95			
68000 Assembler language	Books	\$39.95			
68000 Pocket book	Books	\$9.95			
Disk drives inside & out	Books	\$49.00			
40 More gt flight sim adv	Books	\$29.95			
40 Great flight sim adven	Books	\$29.95			
Learning c	Books	\$45.00			



ATARI ST software and hardware

HARDWARE	CATEGORY	PRICE	HARDWARE	CATEGORY	PRICE
Quick shot 7	Joysticks	\$9.95	Spike arrestor	Power filters	\$59.95
Pro 5000	Joysticks	\$45.00	Power gaurd	Power filters	\$64.95
Clear turbo	Joysticks	\$34.95	Ac adapters 6	Power supplies	\$9.00
Arcade	Joysticks	\$19.95	Sf 314 p/s	Power supplies	\$55.00
Reliable 23*89/1	Labels	\$30.66	Nx 10 ribbons	Printer ribbons	\$22.50
Reliable 36*102/2	Labels	\$35.00	Nx 10 colour ribbons	Printer ribbons	\$24.50
Reliable 36*102/1	Labels	\$34.00	Lx 86 ribbons	Printer ribbons	\$14.95
Unidata 36*102mm/1 green	Labels	\$19.00	Lx 800 ribbon	Printer ribbons	\$14.95
Unidata 36*102mm/1 l/blue	Labels	\$19.00	Epson lq800	Printer ribbons	\$12.95
Unidata 36*102/1 pink	Labels	\$19.00	Texas 850	Printer ribbons	\$16.95
Unidata 36*102mm/1 yellow	Labels	\$19.00	Panosonic kxp1090	Printer ribbons	\$12.95
Unidata 36*102mm/1 l/blue	Labels	\$19.00	Lx 80	Printer ribbons	\$9.50
Coloured	Labels	\$19.00	Nx 10	Printer ribbons	\$22.50
Australian atari gazette	Magazines	\$4.00	Seikosha	Printer ribbons	\$17.00
St update	Magazines	\$7.99	Nx 15 ribbons	Printer ribbons	\$26.50
St user	Magazines	\$7.95	Nec p2200	Printer ribbons	\$15.99
St world	Magazines	\$7.95	Perspex printer stand	Printer stands	\$32.00
Antic	Magazines	\$7.95	Smoked	Printer stands	\$32.00
Atari user	Magazines	\$2.95	Universal p/s	Printer stands	\$59.95
Bit blitzer 123e	Modems	\$499.00	Lx 800	Printers	\$ CALL
Net comm 3+12	Modems	\$349.00	Brother m1109 with tractr	Printers	\$ CALL
1St nice modem	Modems	\$279.00	Nec p2200 pinwriter	Printers	\$ CALL
Nice modem 2	Modems	\$749.00	Nec p6 pinwriter	Printers	\$ CALL
Avtek mini 2	Modems	\$199.00	Slm804 laser	Printers	\$ CALL
Nice modem 3	Modems	\$549.00	Nx 15	Printers	\$ CALL
Pocket modem 123	Modems	\$599.00	Brother 1709	Printers	\$ CALL
Perspex monitor stand	Monitor stands	\$28.00	Nx 1000c	Printers	\$ CALL
Mega stand	Monitor stands	\$44.95	Nx 1000	Printers	\$ CALL
Tilt swivel	Monitor stands	\$32.00	Nx 1000 colour	Printers	\$ CALL
Sm124/5	Monitors	\$ CALL	Nx 24-10	Printers	\$ CALL
Sc 1224	Monitors	\$ CALL	QMS PS810 Laser	Printers	\$ CALL
14" Monitor/TV colour (ST)	Monitors	\$ CALL	H/P Laser Jet + Laser	Printers	\$ CALL
Thomson RGB Digital	Monitors	\$ CALL	Monitor switches ST	Switches	\$69.95
Monitor RGB Analog (ST)	Monitors	\$ CALL	Hawk CP14 Scanner	Scanners	\$3,500
Mpi	Mouse mats	\$15.00	Canon Scanner	Scanners	\$ CALL
Optical Character Rec (ST)	OCR	\$ CALL	Graphics Tablet 9x6 (ST)	Tablet	\$ CALL
Coloured	Paper	\$12.35	Graphics Tablet 12x12 (ST)	Tablet	\$ CALL
Photocopy	Paper	\$7.95	Graphics Tablet 12x18 (ST)	Tablet	\$ CALL
Computer paper 1000	Paper	\$26.50	Graphics Tablet CRP (ST)	Tablet	\$ CALL
Tractor feed envelopes	Paper	\$59.95	Nec p6 bidirectional trc	Tractor kits	\$195.00
900 Word processing	Paper	\$29.95	Dm105	Tractor kits	\$35.00
75 Ohm tv line	Plugs	\$1.00	Ram upgrade kit	Upgrades	\$250.00

ATARI ST CABLES

PRODUCT	DESCRIPTION	PRICE
Atari 4 player joystick adaptor	: 25 way 'D' plug to 2 x 9 way 'D' plugs	\$ 16.50
Atari Joystick Splitter	: 9 way 'D' Socket to 2 x 9 way 'D' plugs	\$ 18.95
Atari 520/1040 ST Joystick & mouse extender	: 2 x 9 way 'D' plugs to 2 x 9 way 'D' sockets (200mm)	\$ 18.50
Atari ST monitor cable	: 13 pin din plug to 21 pin scart plug	\$ 29.95
Atari ST Hard disk extension	: 19 way 'D' plug to 19 way 'D' socket	\$ 19.95
Joystick/mouse extension	: 9 way 'D' plug to 9 way 'D' socket (2M)	\$ 15.00
Atari ST disk drive cables	: 14 pin din plug to 14 pin din plug (2M)	\$ 29.95
Atari ST monitor socket	: 13 pin din socket	\$ 12.99
Atari ST disk drive socket	: 14 pin din socket	\$ 13.99
Atari ST monitor plug	: 13 pin din socket	\$ 13.99
Atari ST disk drive plug	: 14 pin din plug	\$ 15.99
Atari joystick plug	: 9 pin 'D' plug	\$ 1.95
Atari ST RS232 serial cable (modem)	: 25 pin 'D' plug to 25 pin 'D' plug	\$ 22.00
Atari ST Centronics cable (printer)	: 25 pin 'D' plug to 36 way Centronics	\$ 20.00
Atari ST printer plug (ST)	: 25 pin 'D' plug male	\$ 2.50
Printer plug	: Centronics 36 way	\$ 13.00
Atari ST modem plug	: 25 pin 'D' plug female	\$ 2.50
RS232 Gender Changer	: 25 pin 'D' plug to 25 pin 'D' plug	\$ 16.95
256k DRAM	: 256k DRAM 150ns	\$ 15.00



**PARAGON COMPUTERS**  
December ST software  
**SPECIALS**



ST software title	normally	SPECIAL
AB Animator	39.95	<b>29.95</b>
Alien Syndrome	69.95	<b>59.95</b>
America Cooks Chinese	34.99	<b>29.99</b>
America Cooks French	34.99	<b>29.99</b>
America Cooks Italian	34.99	<b>29.99</b>
America Cooks Mexican	34.99	<b>29.99</b>
Arena	39.95	<b>32.99</b>
Arkanoid	59.95	<b>49.95</b>
Athena CAD 2	199.00	<b>175.00</b>
Award Maker Plus	64.95	<b>54.95</b>
Chamonix Challenge	59.95	<b>49.95</b>
Championship Water Skiing	69.95	<b>59.95</b>
Computer Hits	69.95	<b>45.95</b>
Crystal	59.95	<b>49.95</b>
Dark Castle	69.95	<b>59.95</b>
Diamond Mike	49.95	<b>39.95</b>
Extravaganza	46.00	<b>33.50</b>
Flight Sim 2 Scenery Japan	69.95	<b>59.95</b>
GFA Draft	199.00	<b>149.95</b>
IS Talk	89.95	<b>79.95</b>
Jet	79.95	<b>69.95</b>
Joust	69.00	<b>59.95</b>
Juggler	69.95	<b>59.95</b>
K Rikki	59.95	<b>49.95</b>
K Switch	59.95	<b>49.95</b>
K Switch 2	79.95	<b>69.95</b>
K Word 2	134.99	<b>124.95</b>
Mickey Mouse	59.95	<b>54.95</b>
OCP Art Studio	75.99	<b>59.95</b>
Platoon	69.95	<b>59.95</b>
PM Interface	59.95	<b>49.95</b>
Predator	59.95	<b>49.95</b>
Pro Sprite Designer	69.95	<b>59.95</b>
Sales Pro Plus	299.00	<b>249.00</b>
Side Arms	69.95	<b>59.95</b>
Sky Fighter	39.95	<b>29.95</b>
Space Harrier	69.95	<b>49.95</b>
Spy vs Spy	79.95	<b>59.95</b>
Tangle Wood	69.95	<b>59.95</b>
Teachers Pet	45.95	<b>35.95</b>
Test Drive	55.99	<b>49.95</b>
Thrust	34.95	<b>29.95</b>
Tournament Of Death	69.95	<b>59.95</b>
Trilogy	39.95	<b>29.95</b>
Turbo GT	49.95	<b>39.95</b>
Wizards Crown	69.95	<b>54.95</b>
Pro Fortran	295.00	<b>225.00</b>
Img Scan	179.00	<b>149.00</b>
Timeworks Works DTP	249.00	<b>199.00</b>
Kings Quest 2	59.99	<b>54.95</b>

Only until December 31st or while stocks last.

**PARAGON COMPUTERS**

17A. 5. Short Street. PERTH. Western Australia. 6000.

Phone (09) 221 3216

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.

software/hardware item	quantity	item cost	total cost
total			

preferred method of payment:

cheque: please state cheque number: \_\_\_\_\_

money order: please state order number: \_\_\_\_\_

credit card: please state which type: \_\_\_\_\_

credit card number: 

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expiry date: \_\_\_\_\_

name on credit card: \_\_\_\_\_

card holders signature: \_\_\_\_\_

Post to:- PARAGON COMPUTERS  
 17A. 5 Short Street  
 PERTH.  
 Western Australia. 6000.

I do not wish to place an order right now, please mail to me free of charge the items below:

Please mail to me the next issue of THE PARAGON REPORT

Please mail to me the current PARAGON COMPUTERS ST Software list

Please mail to me the current PARAGON COMPUTERS ST hardware list

Please mail to me the PARAGON COMPUTERS end of month software specials list

Please mail to this address:-  
 Please print clearly

Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Street address: \_\_\_\_\_

Town/City: \_\_\_\_\_ State: \_\_\_\_\_ Post Code: \_\_\_\_\_

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. Thank you.





# SIGNUM 2

from *PARAGON COMPUTERS*  
**Document Processor Functions**

**Import ASCII files** and optionally save files in ASCII for export to word processors or for fast printing.

**Characters proportionally spaced** on-screen with even word spacing - even in full-out justification.

**Auto or manual hyphenation** with user modifiable syllable separation table.

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

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

**Text/graphic control** down to 1/90th. inch horizontally and 1/54th. inch vertically.

**Easy graphic importation** from any program with cropping and re-sizing, plus moving and copying.

**On-screen clip board** - can contain text and graphics separately.

**On-screen trash can.**

**Search for and/or Replace** for specific words/phrases with certain attributes and even a particular font style.

**Store any number of system parameters** (margins etc.) and create as many different macro files as you need.

**On-screen headers, footers and page numbering** - select any font style for page numbering.

**Footnotes** are kept with the text to which they refer.

**Fast and powerful editing moves** using either the accumulator or the clipboard.

**Line, block, paragraph, page and chapter** formatting functions.

**Set and/or clear attributes** over any area up to chapter level.

**Page Make Up** giving multi-columns with independent widths (if you need) and call pages from anywhere within a document in order to form columns.

**Select whether or not you wish to create back-up files automatically**, view graphics etc.

**Very fast scrolling** around page - up/down/left/right.

## PRINTING FEATURES

**Jump between the document processor and printer** and vice versa taking the currently loaded file with you.

**Print queue** enables chained document printing with selected pages/number of copies etc.

**Control paper movement** down to 1/100th. inch vertically (necessary for A4 registration).

**Print graphics** in light medium or heavy density.

**Compatible with IBM and Epson printers** plus 100% compatible printers in graphics mode - both 9 and 24 pin.

**Superb results from the NEC range** of 24 pin printers (360 x 360 d.p.s.i.).

**Print a page with seven fonts in 25-35 seconds** on the Atari SLM 804 laser printer.

**Drivers also available** for HP LaserJet Plus and Canon laser printers.

## THE FONT EDITOR

**GEM-based** - extensive use of the mouse for character design.

**Modify existing fonts** or create new ones.

**Two fonts may be loaded simultaneously** with their characters AND'ed or OR'ed.

**Ellipses, squares, circles, quadrants, semi-circles and lines** are provided in a tool-box to speed-up character design.

**Any character** may be inverted, mirrored, rotated and/or inclined to achieve the effect you need.

## ATARI PC4 MINIMUM SPECIFICATION

Processor	80286 with socket for 80287 Maths Co-processor
Clock Speed	12 Mhz processor mode with 1 wait state 8 Mhz processor mode with 0 wait state
RAM	512 K expandable to 1 Megabyte on motherboard
ROM	64 K
Operating System	MS DOS 3.21
Floppy Disk	1 x 5.25" 1.2 Megabyte
Interfaces	2 Serial Ports 1 Parallel Port Floppy disk interface supports four drives External connector for both ST and PC drives High performance hard disk interface
Expansion Slots	Four AT type and one XT type for either full size or half size expansion boards
Clock	Built-in real time clock
Video	VGA 640 x 480 16 colours EGA 640 x 350 16 colours from palette of 64 CGA 640 x 200 monochrome or 320 x 200 four colours (set by application) MDA 80 characters x 25 lines HGC 720 x 348 monochrome graphic 80 x 25 monochrome text Analogue and digital display connections
Keyboard	IBM PC AT layout 102 keys
Sound	Internal Speaker
Power Supply	145 W
Software	MS DOS 3.3 Windows 2 Windows Write Paint Cardfile
Manuals	PC4 Owners Manual MS DOS User Manual Windows 2 User Manual Windows Write User Manual Paint User Manual Cardfile User Manual

### OPTIONS

30 Mbyte Hard Disk Drive  
60 Mbyte Hard Disk Drive  
Modem Card  
Network Card

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

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



The boys and girls at PARAGON would like to take this opportunity to thank all of our customers out there for helping to make PARAGON COMPUTERS Australia's number one ATARI dealer for 1988 and wish you all the best for xmas and may 1989 bring you all you ever hope for. 60meg hard drive, CD ROM....ST Laptop....Atari Work Station.....Mega ST4.....Laser Printer.....

This is the third edition of THE PARAGON REPORT and will have the largest distribution so far, with over 900 copies produced, containing reviews and information for Australian ST users, a further 50 copies will be produced for PARAGON customers in U.K. West Germany, New Zealand, U.S.A. Holland, France, Canada, Switzerland, Austria and Sweden.

The magazine is produced in house using the Paragon Desktop Publishing Solution, consisting of an ATARI Mega4. SH205 hard drive. SLM804 laser printer, Hawk CP14 Scanner, Augur OCR software, Publishing Partner 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 two issues of PARAGON REPORT, (*please keep it up*). Due to numerous requests from readers of the first two 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 one of the forms on the back page 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.

If you would like to receive future editions of THE PARAGON REPORT on a regular basis, just fill in one of the request forms on the back page and post to:-

**PARAGON COMPUTERS** Pty Ltd  
17A. 5 Short Street.  
PERTH.  
Western Australia.  
6000

Phone (09) 221 3216. Fax (09) 325 8251. BBS (09) 325 5160. Dealer enq (09) 221 4142

## ATARI PC5 SPECIFICATION

Processor	Intel 32-bit 80386 (Optional 80387 Maths Co-processor)
Clock Speed	6 Mhz and 16 Mhz
RAM	1024 K (10 Megabytes maximum)
ROM	64 K
Operating System	MS DOS 3.3
Interfaces	Serial Port - optional Parallel Port - optional Mouse - optional
Expansion Slots	Four AT style slots (plus one 32-bit slot occupied by memory)
Floppy Disk	1 x 5.25" 1.2 Megabyte
Possible Floppy Types	5.25" 360 K 5.25" 1.2 Megabytes 3.5" 720 K 3.5" 1.44 Megabytes
Hard Disk	RLL controller (in a slot)
Clock	Built-in real time clock
Video	VGA - optional EGA - optional CGA - optional MDA - optional HGC - optional
Power Supply	145 W
Software	MS DOS 3.3 Windows 386 Windows Write Paint Cardfile
Manuals	PC5 Owner Manual MS DOS User Manual Windows 386 User Manual Windows Write User Manual Paint User Manual Cardfile User Manual

### OPTIONS

VGA Card	Floppy Disks:	RS-232C Serial Card
EGA Card	5.25" 360 K	Parallel Printer Card
CGA Card	5.25" 1.2 Megabytes	Mouse
MDA Card	3.5" 720 K	Hard Disk
HGC Card	3.5" 1.44 Megabytes	



PARAGON COMPUTERS for everything ATARI in 1989



January							February							March							April						
Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa
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## **TRUMPET BLOWING**

**Did you know.....**

PARAGON COMPUTERS was 12 months old in Nov 1988?

During those 12 months PARAGON COMPUTERS sold more Atari ST's than any other Atari Dealer in AUSTRALIA?

If you didn't call into PARAGON COMPUTERS on Nov 23rd, you missed out on our birthday cake?

PARAGON COMPUTERS only stock Atari ST and ST related software and hardware?

PARAGON COMPUTERS now has branches in the U.S.A. and U.K?

PARAGON COMPUTERS is the only store in Australia with enough confidence in the Atari ST products they sell to run the whole store using Atari ST systems?

The point of sale and stock control at PARAGON COMPUTERS is run on a MegaST2 Atari with Atari SH205 hard drive using CRICIT point of sale software activating cash draw and bar code reader?

The accounts payable/receivable and general ledger at PARAGON COMPUTERS are run on a MegaST4 with Atari SH205 hard drive using BEST accounting package?

The international software and hardware importing and exporting mail order system (over 2000 customers) at PARAGON COMPUTERS is controlled using the Mega4ST Atari with Atari SH205 hard drive and SUPERBASE PROFESSIONAL?

The PARAGON Bulletin Board System at PARAGON COMPUTERS is run using a 1MEG Atari ST with 20MEG hard drive and 900K Atari external drive?

All of PARAGON COMPUTERS in house and customer video digitising is done using Atari ST equipment and Silicon Animation Machine (27 frames per second) hardware and software?

All of PARAGON COMPUTERS in house and customer Desk Top Publishing is done using a Mega4ST with Atari SH205 hard drive, Atari SLM804 laser printer, Imagen Post Script Software, Hawk CP14 Scanner, Canon Scanner, Augur Optical Character Recognition Software and hardware, QMS PS810 laser printer, Publishing Partner, Timeworks Desk Top Publisher, Fleet Street Publisher, Calamus Desk Top Publishing?

PARAGON COMPUTERS has a wholesale company that imports exports and supplies Atari ST software to over 60 Atari Dealers Australia wide?

PARAGON COMPUTERS has the only Atari dealer manager in Australia to complete the ATARI U.K. ST Business machine course?

PARAGON COMPUTERS has supplied in house modified software to N.A.S.A. National Aeronautics and Space Administration U.S.A. for use on their Atari MegaST systems?

PARAGON COMPUTERS has supplied in house modified software to the United States Navy. for use on their Atari MegaST systems?

PARAGON COMPUTERS is the only company in Australia to get an ATARI ST (*the first none-IBM compatible machine ever*) passed by the DEPARTMENT OF LANDS AND SURVEYS for use during remote title searching?

The manager of PARAGON COMPUTERS wrote the very first program for the very first Atari ST computer in Australia (1985) and that this program was used to demonstrate the Atari ST system at the Sydney Electronics Show?

### **PARAGON COMPUTERS.**

**We know what we're talking about.**

17A. 5 Short Street. PERTH. Western Australia. 6000. Phone (09) 221 3216

# Installing that application

*For many months after buying my ST, I neglected to take advantage of the system's INSTALL APPLICATION capability, thinking it was a silly feature that would be a waste of time. But when I eventually got round to trying it, I realised that instead of wasting time, it was actually a time saver. here's why.*

With many other computers, in order to load and work on a word processing file (or any other data file), I'd have to go through two steps. First I would load and run the word processor; once loaded, I'd have to tell the application what file I wanted to work on: and finally, the file would be loaded.

This, of course, is exactly the procedure I had been using on my ST prior to understanding the usefulness of the INSTALL APPLICATION feature. But after having installed an application, all I have to do is double click on a file, and everything else is done for me automatically: the program is loaded, then the program loads the file.

In other words, one action on my part - double clicking on a file, performs two things: running the application as well as loading the file. Although this is admittedly only a minor time saver, I like to eliminate whatever unnecessary steps I can.

## How to INSTALL an APPLICATION

1. Insert the disk containing the program. (Although I'll use as an example a word processor, any program which creates data files may be capable of being installed: a spreadsheet, a paint program, a database, etc)
2. From the desktop, open the window for the disk that contains the program.
3. Click once on the program's icon or name.
4. Select INSTALL APPLICATION from the OPTIONS menu. A dialog box will appear, with the cursor positioned at the end of the DOCUMENT TYPE line. Type in whatever three letter extension you normally use for data files created with that program (or the three letter extension that is automatically assigned to that program's data files). For instance, if you are performing the INSTALL APPLICATION function for FIRST WORD, type in DOC, since that is the three letter extension that FIRST WORD assigns to its data files. On the other hand, if NEO CHROME is the application you are installing, type in NEO, since its data files use that extension.
5. Mouse click on the OK box. Installation is now complete. From now on, whenever you double click on a data file which has the same three letter extension that you designated in the DOCUMENT TYPE field, the data file will automatically be opened within its application.

## FILE LOCATION IS IMPORTANT

There are a number of rules pertaining to where the installed application (and the data file that's going to run it) can be located.

First, if the disk contains folders, either the installed application and its data files must both be in the same folder, or the application must be in the root directory. If either of these two rules are not followed, you will get an error message saying, "This application can't find the folder or file you just tried to access."

Second, the installed application can be located on a different drive than its related data files, provided that the application is in the root directory of drive A. The programs data files can be on drive B (if you have two drives) or on a RAM disk. The data files can even be inside a folder. However, you can't switch them around and put the application on drive B or in a RAM disk

---

Reprinted with permission for PARAGON REPORT from THE ATARI ST BOOK of Tips, Instructions, Secrets and Hints for the 520, 1040 and Mega ST's, available from PARAGON COMPUTERS (09) 221 3216



# C Steve

This column is designed for anyone out there who has any questions on the Atari ST computer. If you need any help on any aspect of the computer, simply write to the address below, and if we can help you, we will. Our first question is regarding setting up radio buttons in 'C'.

## Those Elusive Radio Buttons!

In the time that I have been writing programs in 'C' many people have asked me how to use Radio Buttons. I know how they feel, as I had trouble working out how they worked when I first started to use them. But believe me it's not all that hard. This is a brief explanation on how to set them up and use them in your own dialog boxes. In this explanation, I assume you know how to display and access data from a dialog box.

## What is a Radio Button?

Radio buttons are called this because they are designed like the buttons in the old car radios, where you push one and the other pops out. They appear in groups of 2 or more, only one of which may be selected at any given time. When a user selects a button, the currently selected button is de-selected.

Firstly, and most importantly, you must design your dialog box. Using a resource editor is usually the easiest way to do this. When you put in your buttons, make sure that you have the `SELECTABLE` and `RADIO BUTTON` attributes set. Another point to mention is that all radio buttons must have the same parent. If you have 2 sets of radio buttons, they must have different parents. To do this, put a hollow box type object into the dialog, make it big enough to hold all your radio buttons, and then put the buttons into the box one at a time. By putting the buttons into the box object, you force them to become it's children. Since you will need to know which radio button was selected, then you will need to give each one a name. You will also need to add an exit button.

You can now use your own 'C' calls to display this dialog box on the screen. However after it is displayed on the screen you will need to sit in a while loop waiting for a user to select a button. The `form_do()` call is needed in this loop to tell us the result of the users action. The result of the `form_do` call will be the value of the radio button that was selected. A sample loop follows:

```
OBJECT *dialog;

check_box
{
    int fo_doreturn, selected;

    while ( fo_doreturn != EXIT )
    {
        selected = fo_doreturn;

        fo_doreturn = form_do ( dialog, 0 );
    }
}
```

In this loop `fo_doreturn` gets the value of the button that was selected and then, if it didn't equal the exit button, stores it in the variable, 'selected'. This continues until the exit condition is satisfied. When this happens the loop is exited and the variable 'selected' has the value of the selected button.

As I said, this was only a brief explanation of the radio buttons. If you would like to know more about them, or you need some help in other areas of using 'C' or anything on the ST, simply write to:

C Steve  
c/o The Paragon Report  
Paragon Computers  
17A. 5 Short St.  
Perth. Western Australia, 6000.

We hope to make this column a permanent fixture in The Paragon Report, so if you need any help, please don't hesitate to write. or call PARAGON 24 hour BBS on (09) 325 5160

Steve Quartly.

# COMDEX 1988

## Soft Logic

showing PAGESTREAM

## ISD Marketing

Showing Calamus..Predicted to be shipping in later this month, shapes up to be another of the 'expensive' type programs which definitely points to a very narrow market, as in those who have a definite use for the program. Calamus itself is very impressive, but then so is the price! Ask W.P. about pricey software in the ST marketplace.

## INTERSECT

showing MASTERLINK a super high powered version of the now famous, Interlink. Masterlink incorporates all the fine features of Interlink and an advanced script language which allows you to custom coordinate the program the way you wish. Also, multiple buffers and other high powered editing features.

## Nite Lite Systems

showing an RS232 LAN (local area network)

## Passport Designs

showing Master Tracks Jr. and Master Tracks Pro V.2.5..Version 3 will have SMPTE (no release date on this one yet)

## Legend Software

showing The Final Cut, A toolset for editing and synthesis arrangements.

## Navarone

showing the new version of ST Scan, it prints straight to the SLM804....works good.

## Logical Design Works

showing LDW Power, a fine spreadsheet for the ST

## IBP

Showing all kinds of impressive goodies from GERMANY.

## Precision Software

showing SuperBase Professional Ver. 3.0 which is light years ahead of it's competition, and far superior to the previous release.

## Word Up

showing the latest upgrades to Word Up and the HP Deskjet driver.

## FTL

showing all kinds of HOT promise for the very near future, Revenge of Chaos, a preview disk, an Amiga version of DM, a HINT DISK, it knows where you are in the game, and will show only those hints needs for immediate help!

## Regent Soft

showing Regent Base II and a kit for the STs (520 -1040) everyone should want, SPRINGS TO STIFFEN THE KEY RESPONSE!

## ATARI

PC4 (286 Based PC Compatible computer with 5.25 Disk Drive and 30 Megabyte Hard Drive)

## ATARI

PC5 (386 Based PC Compatible with 30 Meg HD)

## ATARI

ATW (Transputer Workstation) was shown. It should be in production fairly soon.

## ATARI

Ultrascript (Postscript Interpreter for the SLM804)

## ATARI

Deskset II (DTP Program for SLM804) Ultrascript is being shown along with Deskset II.

## ATARI

A robotics controlling kit is being shown that will allow the ST/Mega computers to control robot devices through the Cart port.

## ATARI

Laptop. Although the "laptop" is a mere prototype at this moment, Atari is targeting release of a whole laptop line with production runs starting in 2-3 months. The model has a nearly ST sized keyboard, will have a blue LCD screen (optionally backlit), a built-in track-ball mouse controller, built-in 3.5" floppy (half meg with optional full meg drive), and "at least 20 meg of HD" and 520 and 1040 RAM options.

## Supra

has completed a 2400bd internal modem for IBM machines and is considering doing one for the MEGA ST's.

# Psssst

Sig Hartmann reassures the Developers that they will prosper by developing for the ST line in the "US".

Stereo Sound for the ST is HERE The miracle workers at Practical Solutions have done it AGAIN!! The Tweetie board makes the ST a Stereo machine.

Paragon Computers in Perth Western Australia are now the official distributors for the range of GFA products in the Pacific area.

While Word Perfect has stated it is not going to be releasing any new products for the ST, chances are after Comdex U.S.A. they will reconsider this posture very seriously. Especially since they are developing a GERMAN version of WP for export.

Amstrad has bought into MICRON which means after the initial committment to Atari is fulfilled, there will be NO MORE Dram chips for Atari from them.

Due to lack of 1040 stocks in the U.S. Dealers are being forced to upgrade 520stfm units to 1mb in the field.

ATARI AUSTRALIA will be mounting a massive TV ad campaign this month. (please don't blink).

Page Stream, the "new" name for Publishing Partner Professional has been released. As always, with "new" programs, it is experiencing some slight problems. According to one reviewer, the 20 some odd "listed" (bugs) are soon to be hit with raid and "all" will be ok. This is a DTP program that, if it's problems are ironed out, will be the top DTP program.

FEDERATED, the ATARI owned and operated chain of stores in the U.S. has more stocks of Commodore AMIGA 500s in their stores than they do of Atari computers, is this another "coup" for ATARI?

Look at the high res monitor, 1260 x 980 and the EST, with it's 68030 and DSP 56001 (Motorola)..more colors and better sound, why it's an Amiga Killer!

This issue of Paragon Report was printed on an ATARI SLM 804 laser printer using the Post Script Interpreter from Imagen.

Dynacad fans will be glad to know that the new monitor from Moniterm, will be available by mid December, that includes Monitor and card for \$4,000.00

The Atari Laptop will be released in Australia in March 89.

FTL Games/Software Heaven, has announced that Dungeon Master, "The Revenge of Kaos" will be available for the ST by the third week in December (This is the Sequel) also, for the Amiga Fans, a playtest version is being put through it's paces. It won't be long now.

During the past two years, over 50,000 copies of the GFA BASIC Interpreter, and 20,000 copies of the GFA BASIC Compiler have been purchased world wide, making GFA BASIC the most popular BASIC for the ST.

It looks like ATARI may bring out a 68030 based machine. The base unit of the system, aimed at getting the company into the workstation business, will have a price tag of about \$3,000, and will be targeted at the education, scientific and engineering markets. The ATARI machine reportedly will feature a 1280 x 960 pixel screen with 8-bit gray scale, a Motorola 56000 digital processor for up to eight channels of 16-bit sound, and a 1.44 Mbyte, 3.5 inch floppy disk drive. It will also have four VME expansion slots which allow it to accomodate add-in boards that fit in Apollo and Sun workstations. Look out Steve Jobs NeXT

ATARI U.S. is now not opening the new manufacturing plant in

Houston. Yes they are. No the're not. Yes they are. No the're not? Whatch next issue Paragon Report for the continuing saga.

The ST Games Machine will not be released in Australia.

ATARI Pocket Computer!! This will have 256k ROM, 512k RAM and programs imported via the RS232 port.

Atari UK. is airlifting additional ST's to England, as well as regular shipments, to be sure that there will be no shortages during the Christmas Season. Also, dealers are accepting orders for Atari's Transputer machine for December delivery.

Alan Page, author of Flash, has announced he is now privately employed. However, Page vows complete support for Flash will continue.

Commodore is expected to "own" the US home computer market by the end of 1989, the sales of it's slow starter, The Amiga, have soared in the last 6 months.

Every university student in Austria wants an Atari ST for Word Processing.

The DRAM shortage is now over at Atari. Production of MEGAs is now 50,000 - 75,000 per month.

90% of MEGA ST's produced by Atari are for the European market.

The Atari TT (Tramiel Twins, Thirty-two/Thirty-two) a 68030 Atari Unix box will be released 2nd quarter 1989. The Unix box will be TOS compatible and operate under Unix 5.x (probably 5.31). Atari anticipates having an abundant supply for interested developers in the 1st quarter of 1989.

STOP PRESS.  
ATARI AUSTRALIA will now **not** be mounting a massive TV ad campaign this month, again. d'Este du Plessis, where are you?

# The Man and the machine

By R.F.Mariano

For most families to have any type of a fond remembrance of the European continent shortly after World War II would be just short of a miracle.

Perhaps finding beloved family members alive and well could count as a miracle. Consider that nine out of every 12 families lost loved ones and that half of those lost their homes to either destruction or confiscation.

In the span of time from 1946 till now many new families now living in the United States have reason to thank the Lord for many blessings. Time has driven the sorrow our hearts and minds and dulled the pain of the great human tragedy called WWII.

Being old enough to remember the early 1950's, thus, able to recall the many thankful refugees from War Torn Europe, and still young enough to have actually grown up with one man's dream as a reality before my eyes is an experience truly enriched by knowing this "young" man at the time, was one of those refugees. Granted he did not realize his dream in an overnight fairy tale. Only after the application of sheer determination plus hard work and sacrifice did Jack Tramiel begin to see his goal becoming a reality.

To show you just a few of the many fond moments will yield the reasons why Jack Tramiel has the slogan of "Power Without the Price" associated with high tech, high quality ATARI products.

Jack Tramiel was born in Lodz, Poland December 13, 1928, our story begins some twenty odd years later. We shall begin in the Bronx, N.Y. from Fordham Rd. to Pelham Bay... (how I loved my days in Pelham Bay Park practicing my x-country running).

After what seemed to be an eternity (25 yrs.) of driving a cab and picking up typewriters for repair, (which he did himself), things began to happen.

Meanwhile, in a garage, on the opposite coast of the USA, another young man with a dream, was fighting the odds to put an idea to work and bring it to reality, his name was Nolan Bushnell. He and Jack Tramiel would profoundly influence the futures of many people some of whom were yet to be born.

The Story of Nolan Bushnell (Selling Atari to Warner Bros.) is known to every owner of an ATARI computer. Who is Jack Tramiel?

In the year 1983, Jack Tramiel was known as Mr. Commodore. In a scant twenty five years he took this company from a mere typewriter repair company to the world's largest and most successful home computer company. This company was and is Commodore International LTD.

The monumental decision came in January, 1984 when Jack Tramiel, at a young age of 55, astounded the computer community by his resignation from Commodore. He did however depart from them a wealthy man (100m+).

Before the end of the year (1984) Jack spurned the idea of "Golden Years of Retirement" and took over the reins of a former competitor, ATARI and to this day continues being the aggressive competitor he proved himself to be at Commodore. Long known and respected for his attractive pricing, Tramiel continued to adhere to the "Power without the Price" slogan.

If one were to recall the apparition of the "Wizard of Oz" one could easily see the physical attributes of Jack Tramiel, he is, without a doubt, "The Cauldron of Energetic Plasma giving ATARI it's Pulse of boundless

Enthusiasm and Life". He has with him his three sons, Sam, Len and Garry, however, there is NO question about who makes the key decisions. Some time in the future, we will see Sam Tramiel in the lead and all of us will fondly remember Jack Tramiel as the man who built TWO SEPARATE BILLION DOLLAR ORGANIZATIONS.

This time of the year has to bring a very warm and special feeling to the hearts of all who have come to know and respect Jack Tramiel the man, as well as honor the corporate wizard, Jack Tramiel.

Atari has some marvelous plans for the future, many of which are just now being made public in the gorgeous Las Vegas Convention Center. The Fall COMDEX show is here in Las Vegas, just head for the Rotunda and feast your eyes on the latest from Atari including...the much heralded ST PORTABLE!

You can be sure, that whatever direction Atari takes, this is a computer company that will blaze new trails of accomplishment and design with uncanny accuracy for what the buying public wants... and at a time the want is there along with the need.

Thanksgiving is known as the beginning of the "Holiday Season". It represents to me a glorious time of year, the holidays renew my faith in mankind and instill in me the urge to embrace life with a robust desire to wish the very best of goodwill to all mankind and with that thought in mind and heart, the time has come to extend our wishes to Jack Tramiel and all the wonderful folks at Atari and their families a most wonderful and memorable Holiday Season!

Happy Thanksgiving and.....Thank You for "POWER without the PRICE"

from Compuserve U.S.A.

# STARGLIDER II

reviewed for Paragon Report

by

Simon Haynes

I first heard of Starglider about 2 years ago.....

In the Spectrum magazine I was reading there was a screenshot from a computer called an Atari ST, "A new micro". The original game was dedicated to arcade game players, with its quick 3D wireframe action and endless quantities of enemy installations and vehicles to knock about.

Starglider II actually plays quicker than its predecessor, and it's got solid 3D graphics. The game is much more complex too.

Realising that computer owners are no longer satisfied with a straight blasting game, the software companies are producing more and more games like Carrier Command and Dungeon Master, games where an agile mind is usually more important than a quick trigger finger. In Starglider II you will need both.

At the start of the game you are hurtling along the surface of a planet, its chequer-board terrain rolling beneath you. You pass over strange machines, like the solar power collector, shaped like an upside-down umbrella. Take a shot at it, and it will fold itself up, then sink to the ground. If you leave it at that it will wait a while, then pop up again. On the other hand you could keep hitting it with your gas-plasma lasers until it explodes.

As you cross the planet you will probably come across a power line - a row of pylons with electricity crackling between them. All you need to do when your energy is low is to fly along them, fast. Your ship will pick up the stray energy, recharging its cells.

So far, this sounds like Starglider I. Well, now is the time to find the difference. First, you can fly straight down the neck of the transport domes, which put you under the planet surface, in moody grey-lit tunnels. These tunnels are where you can pick up bolt-on weapons.

You may also find a group of resistance fighters, holding out against the Egron invaders. They may ask you for assistance, or offer to build you a neutron bomb. If you get them to build the bomb for you, they will give you a list of supplies they need for the project. They will only make one, and it's for the Egron Space station.

Another difference from Starglider I - Tilt your craft at the sky, increase boost to full, and you will burst out of the atmosphere into space.

Now there are 15 moons and planets for you to fly to and explore. If you've ever played Elite, you'll know what space travel is like. And there are plenty of pirates, meteorites and cargo holds to attack, avoid and pick up.

Reminds me of another way to refuel. Catch an asteroid in your tractor beam, and then wait. Eventually it becomes so unstable that it explodes. The explosion is harnessed by your ship, which uses the energy to charge itself.

The idea of the game, if you ever get tired of flying around blasting things, is to destroy the seven Egron defence sites on the seven moons of Millway (The red gaseous planet). But you have to watch you don't shoot the space

whales swimming in Millway's upper atmosphere - they scream,

and the conservationists might get to hear about it.

If the installations are built in time, the Egrons will start work on their space station, which is designed to focus the power of Solice (The local star) onto Novenia, your home planet. Their idea is to fry the planet to a crisp. Your mission is to stop them.

The game comes with a playguide, which details the planets and their moons in the solstice system, a keyguide (There are about 20 or 30 keys used), and the novella which gives you a lot of information and subtle hints.

Once again, Rainbird have come up with the goods. They continue to set standards on the ST which others follow. Starglider II knocks other similar games into a cocked hat.

When Elite eventually reaches us, it's going to have to be amazing to beat Starglider II, which got 97% in The Games Machine. Mind you, Rainbird will be releasing Elite too...

Simon Haynes..

## Starglider II

available from :-

### PARAGON COMPUTERS

17A. 5 Short Street  
Perth. W.A. 6000

Ph (09) 221 3216

# GFA BASIC version 3

## ST GFA-BASIC 3.0

The original version of GFA BASIC was released in June of 1986 to rave reviews in all the major computer publications. Even the often cynical programmers were impressed by the speed of this new language, the command vocabulary and the structured programming. At last a way for every owner to unleash the power of their ST!

Early in 1987: The GFA BASIC Compiler became available. The already fast programs became even faster. The compiled source code made professional software development a possibility, and several products, ranging from game programs to productivity utilities were introduced by professional programmers.

Version 2.0 of GFA BASIC implemented compiler commands, and was delivered in October of 1986.

During the past two years, over 50,000 copies of the GFA BASIC Interpreter, and 20,000 copies of the GFA BASIC Compiler have been purchased world wide.

## A New Standard

GFA BASIC, Version 3.0 was first shown to the general public at CeBIT the world's largest consumer computer show, in West Germany. Again, GFA BASIC has astounded the computer world.

With over three hundred new commands and an enormous increase in speed. Tests have indicated speed increases ranging between 40 and 60 percent over the previous version of GFA BASIC. Once again GFA BASIC is setting new standards!

## Compatibility

Even more important to the many present user's of GFA BASIC, Version 3.0 remains compatible. You can still use all of the existing GFA-BASIC programs and books. The huge library of public domain GFA BASIC programs has just been improved! ALL programs will benefit from the improvements in the latest version of GFA BASIC.

## New Editor

The editor in the previous version of GFA BASIC has been highly praised. Automatic syntax checking, and the interactive programming environment made program development a snap. But, even something this good can be improved.

One of the more impressive features is the ability to "hide" procedures. Once a procedure has been debugged, the programmer can "hide" it. Only the procedure name is shown in the listing. This makes your visible code more readable. No longer will it be necessary to page through screen after screen of procedures. Just view the names, expanding them as needed to review the contents.

There's also more help in editing your programs. Now with just a key stroke, characters above the normal ASCII-Code can be input into your program.

The new GFA-BASIC Editor also includes a larger number of keyboard implemented commands.

Other useful new features include: a clock in the menu field, up to 10 editor-marks may be placed in your program, and a line counter is included.

## More Power!

There isn't enough room here to list all the possibilities of GFA BASIC 3.0, but here are a few of the new functions:

- \* All AES functions have been implemented.
- \* Additional functions for management and handling of objects.
- \* Structures.
- \* Line-A commands are now supported.
- \* Joystick commands.
- \* Case distinction (SELECT CASE and ELSE-IF).
- \* Multiple line functions in addition to assigned parameters.
- \* Variable parameters are also possible.
- \* Many bit operations have been implemented. (move, rotate, bit test, erase, set, change).
- \* Fast Integer operations.
- \* And much more!
- \* Atari ST GFA-BASIC 3.0
- \* For ALL Atari ST Computers
- \* By Frank Ostrowski
- \* Official distributors:-
- \* Paragon Computers (W.A.)
- \* Phone (09) 221 3216
- \* dealer enquiries:-
- \* Phone (09) 221 4142
- \* Fax (09) 325 8251