
The Paragon Report



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 |
|-------------------------------|--------------------|----------|--------------------------------|---------------------|----------|
| 1943 The battle of midway | Entertainment | \$69.95 | Circuit maker | Utility | \$119.95 |
| 220 St | Communications | \$79.95 | Colonial conquest | Entertainment | \$69.95 |
| 3D galaxian | Entertainment | \$49.99 | Colour converter | Utility | \$49.95 |
| 3D graphics programming | Programming | \$30.00 | Copyist | Midi | \$375.00 |
| A calc prime | Spread sheet | \$69.95 | Colosus Chess X | Entertainment | \$75.00 |
| A chart | Business | \$64.95 | Corruption | Adventure | \$69.95 |
| Ab animator | Graphics | \$39.95 | Craifix clipart disk 1 | Desktop publishing | \$19.95 |
| AB zoo | Educational | \$59.95 | Craifix clipart disk 2 | Desktop Publishing | \$19.95 |
| Academy | Entertainment | \$69.95 | Craifix clipart disk 3 | Desktop Publishing | \$19.95 |
| Add with oscar | Educational | \$39.95 | Craifix clipart disk 4 | Desktop Publishing | \$19.95 |
| Addicta ball | Entertainment | \$29.95 | Craifix clipart disk 5 | Desktop Publishing | \$19.95 |
| Aegis animator | Graphics | \$179.95 | Craifix clipart super disk 1 | Desktop Publishing | \$69.95 |
| After burner | Entertainment | \$59.95 | Crash garrett | Entertainment | \$65.95 |
| Airball construction kit | Entertainment | \$47.99 | Creator | Graphics | \$39.00 |
| Aladin | Emulators | \$499.00 | Critic | Business | CALL |
| Algebra 1 | Educational | \$59.95 | Crystal | Utility | \$59.95 |
| Algebra 2 vol 1 | Educational | \$49.95 | Cyber control | Cad | \$105.99 |
| Algebra 2 vol 2 | Educational | \$49.95 | Cyber paint | Design | \$158.99 |
| Algebra 3 vol 1 | Educational | \$49.95 | Cyber vcr | Utility | \$99.95 |
| Algebra vol 1 | Educational | \$49.95 | Cz android | Editor | \$168.99 |
| Alien syndrome | Entertainment | \$69.95 | D.thompson's olympic challenge | Entertainment | \$59.95 |
| Amazon | Adventure | \$98.99 | Dark castle | Adventure | \$69.95 |
| America cooks chinese | Cooking | \$34.99 | Data manager | Database | \$149.00 |
| American pool | Entertainment | \$39.95 | Datamap collection 1 | Educational | \$49.99 |
| Analyze | Spread sheet | \$119.00 | Decimal dungeon | Educational | \$49.95 |
| Annals of rome | Entertainment | \$69.95 | Deep space | Entertainment | \$76.99 |
| Arcade force four | Entertainment | \$79.95 | Defender of the crown | Adventure | \$74.00 |
| Arctic fox | Entertainment | \$29.95 | Deflektor | Entertainment | \$59.95 |
| Arkanoid | Entertainment | \$59.95 | Degas elite | Graphics | \$84.95 |
| Armageddon | Entertainment | \$79.95 | Desktop publisher timeworks | Desktop publishing | \$249.00 |
| Around the world in 80 days | Entertainment | \$69.95 | Devpac st | Language | \$109.00 |
| Artura | Entertainment | \$49.95 | Diamond mike | Adventure | \$49.95 |
| Assempro | Language | \$119.00 | Disk drives inside and out | Abacus book | \$30.00 |
| Athena ii cad | Cad | \$199.00 | Dizzy wizard | Entertainment | \$59.95 |
| Award maker plus | Utility | \$64.95 | Dr t's kcs | Midi | \$399.00 |
| Bad cat | Entertainment | \$59.95 | Dr ts 4- op delux | Midi | \$229.95 |
| Balance of power | Entertainment | \$66.99 | Dr ts dx7 heaven editor | Midi | \$229.95 |
| Bar Code Plus | Business | CALL | Dr ts roland mt-32 editor | Midi | \$229.95 |
| Barbarian | Adventure | \$69.95 | Dungeon master | Adventure | \$69.95 |
| Barbarian 2 | Adventure | \$69.95 | Dungeon master hint book | Adventure | \$18.95 |
| Battle ships | Entertainment | \$39.95 | E-z calc | Spreadsheet | \$99.95 |
| Bbs michtron | Utility | \$99.95 | Eagles nest | Entertainment | \$57.99 |
| Best | Business | \$665.00 | Easy draw 2 | Graphics | \$156.99 |
| Better dead than alien | Entertainment | \$46.99 | Easy record | Utility | \$79.00 |
| Beyond the ice palace | Entertainment | \$59.95 | Eco | Entertainment | \$57.99 |
| Biology vol 1 | Educational | \$49.95 | Educational graphics | Desk top publishing | \$49.95 |
| Biology vol 2 | Educational | \$49.95 | Elevator | Adventure | \$59.95 |
| Biology vol 3 | Educational | \$49.95 | Elf | Entertainment | \$59.95 |
| Biology vol 4 | Educational | \$49.95 | Eliminator | Entertainment | \$49.95 |
| Bionic commando | Entertainment | \$66.99 | Elite | Entertainment | \$59.95 |
| Black lamp | Entertainment | \$50.99 | Empire strikes back | Entertainment | \$69.95 |
| Blue war | Entertainment | \$64.95 | Exolon | Entertainment | \$59.95 |
| Bob winner | Entertainment | \$59.95 | Extensor | Entertainment | \$39.95 |
| Bobo | Entertainment | \$65.95 | Extravaganza | Entertainment | \$46.00 |
| Bolo | Entertainment | \$59.95 | Eye | Entertainment | \$36.99 |
| Bomb jack | Entertainment | \$59.95 | F15 strike eagle | Entertainment | \$69.95 |
| Boulder dash construction kit | Entertainment | \$39.95 | F16 Falcon | Entertainment | \$59.95 |
| Brain box | Entertainment | \$59.95 | Fast asm | Language | \$54.95 |
| Buggy boy | Entertainment | \$49.95 | Financial cookbook | Utility | \$29.95 |
| C Lab Creator | Midi | CALL | Fire blaster | Entertainment | \$29.95 |
| C Lab Notator | Midi | CALL | First shapes | Educational | \$49.95 |
| C.o.l.r. object editor | Graphics | \$75.00 | First word plus version 3 | Word processing | \$187.99 |
| Calamus | Desktop Publishing | CALL | Five star | Entertainment | \$79.95 |
| Cad 3d 2.0 (1 meg) | Cad | \$180.00 | Flash | Communications | \$47.99 |
| Cad 3d architectural design | Cad | \$69.95 | Flash cache | Utility | \$79.95 |
| Cad 3d font package | Cad | \$49.95 | Fleet st publisher slm804 dr | Desktop publishing | \$69.95 |
| Cad 3d fonts 2 | Cad | \$49.95 | Fleet st publisher. ps driver | Desktop publishing | \$59.95 |
| Cad 3d future design disk | Cad | \$64.95 | Fleet street publisher | Desktop publishing | \$250.00 |
| Cad 3d human design disk | Cad | \$69.95 | Flight simulator 2 | Entertainment | \$95.99 |
| Captain blood | Entertainment | \$79.99 | Flight simulator scenery 11 | Flight simulator | \$69.95 |
| Cartoon design disk | Utility | \$49.95 | Flight simulator scenery 14 | Flight simulation | \$69.95 |
| Catch 23 | Entertainment | \$52.99 | Flight simulator scenery 7 | Flight simulator | \$69.95 |
| Championship water skiing | Entertainment | \$69.95 | Flight simulator scenery japan | Flight simulator | \$69.95 |
| Chemistry vol 1 | Educational | \$49.95 | Flintstones | Entertainment | \$35.99 |
| Chemistry vol 2 | Educational | \$49.95 | Flippit | Entertainment | \$39.95 |
| Chessmaster 2000 | Entertainment | \$59.95 | Fontz | Utility | \$89.95 |
| Chrono quest | Entertainment | \$89.95 | Football fortunes | Entertainment | \$59.99 |
| Chubby gristle | Entertainment | \$59.95 | Football manager | Entertainment | \$29.95 |



ATARI ST software and hardware

| PROGRAM | CATEGORY | PRICE | PROGRAM | CATEGORY | PRICE |
|------------------------------|--------------------|----------|-------------------------------|--------------------|----------|
| Football manager 2 | Entertainment | \$59.95 | Kings quest II | Adventure | \$59.99 |
| Formula 1 grand prix | Entertainment | \$65.00 | Kings quest III | Adventure | \$64.99 |
| Forth/mt | Language | \$139.95 | Knight orc | Adventure | \$59.95 |
| Fraction action | Educational | \$49.95 | Knightmare | Adventure | \$59.95 |
| Frost byte | Entertainment | \$64.95 | Label maker | Utility | \$69.95 |
| Garfield | Entertainment | \$69.95 | Lancelot | Adventure | \$59.95 |
| Gato | Entertainment | \$95.00 | Lands of havoc | Adventure | \$59.99 |
| Gauntlet 2 | Entertainment | \$65.99 | Laser C | Language | \$249.00 |
| Gem programmers reference | Language | \$30.00 | LDW power spreadseet | Spreadsheet | \$260.00 |
| Genesis | Cad | \$98.99 | Leaderboard | Entertainment | \$47.99 |
| Geometry vol 1 | Educational | \$49.95 | Leaderboard tournament disk 1 | Entertainment | \$37.99 |
| Geometry vol 2 | Educational | \$49.95 | Legend of the sword | Adventure | \$59.95 |
| Get dexter 2 | Entertainment | \$39.95 | Leisure suit larry | Adventure | \$69.95 |
| Gfa artist | Design | \$104.99 | Leisure suit larry hint book | Adventure | \$12.95 |
| Gfa basic | Language | \$109.95 | Linkword (french) | Educational | \$69.95 |
| Gfa basic compiler | Language | \$109.95 | Livingstone | Entertainment | \$49.95 |
| Gfa basic programming | Language | \$69.95 | Logo user's guide | Language | \$30.00 |
| Gfa basic version 3 | Language | \$139.00 | Lombard Rally | Entertainment | \$59.95 |
| Gfa draft | Cad | \$199.00 | Lords of conquest | Entertainment | \$29.95 |
| Gfa draft plus | Cad | \$249.00 | Luxor | Entertainment | \$69.95 |
| Gfa vector | Graphics | \$89.00 | M cache | Accessory | \$69.95 |
| Gold runner | Entertainment | \$67.99 | M.b teaches typing | Educational | \$77.99 |
| Golden path | Adventure | \$45.00 | Mach 3 | Entertainment | \$59.95 |
| Goldrunner 2 | Entertainment | \$69.95 | Machine language | Language | \$30.00 |
| Goldrunner 2 scenery disk | Utility | \$49.95 | Macro mouse | Utility | \$59.00 |
| Gone fish'n | Entertainment | \$46.99 | Mafdet | Adventure | \$69.95 |
| Graphics and sound | Graphics | \$30.00 | Magic disk toolkit | Utility | \$89.95 |
| Graphicsheet | Spread sheet | \$99.00 | Man hunter | Adventure | \$59.95 |
| Great battles | Entertainment | \$49.99 | Maps and legends | Educational | \$69.95 |
| Great giana sisters | Entertainment | \$49.95 | Mark williams c | Language | \$264.99 |
| Guild of thieves | Adventure | \$74.00 | Mark williams csd | Language | \$145.00 |
| Haba com | Communications | \$29.99 | Masters of the universe | Entertainment | \$69.95 |
| Haba view | Database | \$22.99 | Math wizard | Educational | \$69.95 |
| Haba writer | Word processing | \$22.99 | Mathtalk | Educational | \$49.95 |
| Haba writer+ merge and spell | Word processing | \$99.95 | Menace | Entertainment | \$59.95 |
| Hades nebula | Entertainment | \$59.95 | Metrocross | Entertainment | \$59.00 |
| Handy scanner | Utility | \$499.00 | Mi term | Communications | \$79.95 |
| Hard disk accelerator | Utility | \$69.95 | Miami mice | Entertainment | \$39.95 |
| Hard disk backup | Utility | \$75.00 | Michtron bbs v 2.1 | Utility | \$109.95 |
| Hard disk tool kit | Utility | \$69.95 | Michtron cards | Entertainment | \$49.95 |
| Helpmate | Utility | \$39.95 | Mickey mouse | Entertainment | \$59.95 |
| Home publisher | Desktop publishing | \$89.95 | Micro league wrestling | Entertainment | \$59.95 |
| Hot shot | Entertainment | \$69.95 | Micro rtx | Utility | \$149.95 |
| Hunt for red october | Entertainment | \$69.95 | Microsoft write | Word processing | \$199.00 |
| I ball | Entertainment | \$34.95 | Mind fighter | Adventure | \$79.95 |
| Ikari warriors | Entertainment | \$49.95 | Mindshadow | Adventure | \$57.99 |
| Img scan | Utility | \$179.00 | Mini comm | Communications | \$99.95 |
| Impact | Entertainment | \$39.95 | Mission genocide | Entertainment | \$34.95 |
| Impossible mission | Adventure | \$59.95 | Mono converter | Utility | \$49.95 |
| Interlink st | Communications | \$69.95 | Mortville manor | Entertainment | \$67.99 |
| Internals | Abacus disc | \$30.00 | Music construction set | Midi | \$49.95 |
| Introduction to midi program | Midi | \$30.00 | Music studio | Midi | \$89.95 |
| Invasion | Education | \$59.95 | Nebulas | Entertainment | \$49.95 |
| Inventary master | Business | \$169.99 | Netherworld | Entertainment | \$59.95 |
| Is talk | Communications | \$89.95 | New technology coloring book | Graphics | \$51.99 |
| Jackfont | Graphics | \$124.00 | Night raider | Entertainment | \$69.95 |
| Jet | Entertainment | \$79.95 | North star | Entertainment | \$69.95 |
| Jinxter | Adventure | \$57.99 | Not a penny more | Adventure | \$54.95 |
| Joe blade | Entertainment | \$29.95 | Obliterator | Entertainment | \$69.95 |
| Joust | Entertainment | \$69.00 | Ocp art studio | Graphics | \$75.99 |
| Juggler | Utility | \$69.95 | Ogre | Entertainment | \$67.99 |
| Jump jet | Entertainment | \$32.99 | Oids | Entertainment | \$69.95 |
| Jupiter probe | Entertainment | \$50.00 | Oo topos | Adventure | \$34.95 |
| K minstrel | Midi | \$64.99 | Outcast | Entertainment | \$37.99 |
| K ram | Utility | \$49.95 | Overlander | Entertainment | \$69.95 |
| K resource | Utility | \$89.95 | Pac mania | Entertainment | \$59.95 |
| K rhymes | Word processing | \$59.95 | Page Stream | Desktop Publishing | CALL |
| K rikki | Graphics | \$49.95 | Pandora | Entertainment | \$52.95 |
| K roget | Word processing | \$119.00 | Partner st | Utility | \$139.95 |
| K seka | Language | \$129.95 | Pascal | Language | \$219.95 |
| K spread 2 | Spread sheet | \$164.99 | Pawn | Adventure | \$79.95 |
| K switch 2 | Utility | \$79.95 | Pc. ditto | Emulators | \$169.00 |
| K word 2 | Word processing | \$134.99 | Peeks and pokes | Utility | \$30.00 |
| Karting | Entertainment | \$29.95 | Personal pascal | Language | \$147.99 |
| Kidtalk | Educational | \$49.00 | Phantasie 3 | Adventure | \$49.95 |
| Kings quest | Adventure | \$64.99 | Phasar | Accounts | \$124.95 |
| Kings quest 3 hint book | Adventure | \$12.95 | Physics | Educational | \$49.95 |
| Kings quest hint book | Adventure | \$12.95 | Physics vol1 | Educational | \$49.95 |



| PROGRAM | CATEGORY | PRICE | PROGRAM | CATEGORY | PRICE |
|--------------------------------|--------------------|----------|------------------------------|-------------------|----------|
| Picstrip | Utility | \$19.95 | Space harrier | Entertainment | \$69.95 |
| Pinball factory | Entertainment | \$59.95 | Space pilot | Entertainment | \$49.95 |
| Pink panther | Entertainment | \$69.95 | Space port | Entertainment | \$49.95 |
| Planetarium | Educational | \$79.95 | Space quest | Adventure | \$54.95 |
| Platoon | Entertainment | \$69.95 | Space quest hint books | Hint book | \$12.95 |
| Pm interface | Utility | \$59.95 | Space quest II | Adventure | \$54.95 |
| Police quest | Adventure | \$45.99 | Space station | Entertainment | \$29.95 |
| Police Quest Hint Book | Hint Book | \$12.95 | Spectrum 512 | Design | \$114.99 |
| Power Basic | Language | \$139.00 | Speedball | Entertainment | \$59.95 |
| Powerdrome | Entertainment | \$59.95 | Spell book | Educational | \$49.95 |
| Pre school kidprogs | Educational | \$59.95 | Spell with oscar | Educational | \$39.95 |
| Predator | Entertainment | \$59.95 | Speller bee | Educational | \$49.00 |
| Printmaster | Desktop publishing | \$67.99 | Spy v spy | Entertainment | \$79.95 |
| Printmaster art gallery 1 | Graphics | \$59.95 | St basic to c | Language | \$30.00 |
| Printmaster art gallery 2 | Graphics | \$59.95 | St doctor | Utility | \$54.95 |
| Pro 24 | Midi | \$599.95 | St karate | Entertainment | \$25.99 |
| Pro copy | Utility | \$57.99 | St music box | Midi | \$79.95 |
| Pro fortran | Language | \$295.00 | St protector | Entertainment | \$25.99 |
| Pro light | Midi | \$69.95 | St replay | Digitising | \$299.00 |
| Pro midi | Midi | \$69.95 | STAC | Adventure utility | \$79.95 |
| Pro sprite designer | Design | \$69.95 | STAD | Computer Design | CALL |
| Prosound digitizer | Utility | \$199.99 | Star glider 2 | Entertainment | \$69.95 |
| Protect | Word processing | \$180.00 | Star raiders | Entertainment | \$49.95 |
| Protect filer | Utility | \$79.95 | Star struck | Utility | \$59.99 |
| Protect office | Utility | \$89.95 | Star wars | Entertainment | \$55.99 |
| Publishing partner | Desktop publishing | \$174.99 | Starglider | Entertainment | \$65.99 |
| Publishing partner clip art 1 | Desktop Publishing | \$35.00 | Starquake | Entertainment | \$49.95 |
| Publishing partner clip art 2 | Desktop Publishing | \$35.00 | Statistics vol 1 | Educational | \$49.95 |
| Publishing partner clip art 3 | Desktop Publishing | \$35.00 | Stellar crusade | Entertainment | \$49.95 |
| Publishing partner clip art 4 | Desktop Publishing | \$35.00 | Stock market | Entertainment | \$69.95 |
| Publishing partner clip art 6 | Desktop publishing | \$35.00 | STOS | Utility | \$89.00 |
| Publishing partner font disk 0 | Desktop publishing | \$35.00 | Street fighter | Entertainment | \$69.95 |
| Publishing partner font disk 1 | Desktop publishing | \$35.00 | Street gang | Entertainment | \$65.99 |
| Publishing partner font disk 2 | Desktop publishing | \$35.00 | Strike force harrier | Entertainment | \$55.99 |
| Publishing partner font disk 3 | Desktop Publishing | \$35.00 | Strip poker 2 | Entertainment | \$44.95 |
| Publishing partner font disk 4 | Desktop publishing | \$35.00 | Strip poker 2 data disk | Entertainment | \$49.95 |
| Publishing partner font disk 5 | Desktop publishing | \$35.00 | Strip poker 2 plus data disk | Entertainment | \$39.95 |
| Publishing partner font disk 6 | Desktop publishing | \$35.00 | Stuff | Utility | \$53.99 |
| Quadralien | Entertainment | \$69.95 | Summer olympiad | Entertainment | \$69.95 |
| Quantum paintbox | Design | \$69.95 | Sundog | Adventure | \$84.99 |
| Questron 2 | Adventure | \$59.95 | Super cycle | Entertainment | \$44.99 |
| Quick list plus | Utility | \$19.95 | Super hang on | Entertainment | \$69.95 |
| Quizam | Entertainment | \$89.95 | Super sprint | Entertainment | \$43.99 |
| R-type | Entertainment | \$69.95 | Superbase personal | Database | \$199.00 |
| R.a.i.d | Utility | \$69.95 | Superbase professional | Database | \$399.00 |
| Rambo III | Entertainment | \$59.95 | Swiftcalc | Spread sheet | \$149.00 |
| Red alert | Entertainment | \$39.99 | Tai pan | Entertainment | \$44.99 |
| Return to genesis | Entertainment | \$59.95 | Tangle wood | Adventure | \$69.95 |
| Revenge of doh | Entertainment | \$59.95 | Tass times in tone town | Adventure | \$65.99 |
| Revolver | Utility | \$79.95 | Tau ceti | Entertainment | \$69.95 |
| Rings of zilfin | Adventure | \$67.99 | Teachers pet | Educational | \$45.95 |
| Road runner | Entertainment | \$69.95 | Techno Cop | Entertainment | \$49.95 |
| Roadwar 2000 | Entertainment | \$59.95 | Tempus | Word processing | \$89.95 |
| Roadwar europa | Entertainment | \$55.99 | Terramex | Entertainment | \$64.99 |
| Rockford | Entertainment | \$49.95 | Terrorpods | Entertainment | \$65.99 |
| Rolling thunder | Entertainment | \$54.99 | Test drive | Entertainment | \$55.99 |
| Rugby league boss | Entertainment | \$69.95 | Tetris | Entertainment | \$59.99 |
| S.D.I | Adventure | \$69.95 | Thrust | Entertainment | \$34.95 |
| Sales pro plus | Accounts | \$299.00 | Thunder | Word processing | \$65.99 |
| Sapiens | Entertainment | \$59.95 | Thunder blade | Entertainment | \$69.95 |
| Saved | Utility | \$69.95 | Thundercats | Entertainment | \$35.99 |
| Scrabble | Entertainment | \$59.95 | Time & magik | Adventure | \$65.99 |
| Scruples | Entertainment | \$59.95 | Timelink | Utility | \$74.99 |
| Seconds out | Entertainment | \$59.95 | Tracker | Adventure | \$69.95 |
| Sentinel | Entertainment | \$52.00 | Trailblazer | Entertainment | \$69.95 |
| Shackled | Entertainment | \$69.95 | Trantor | Entertainment | \$69.95 |
| Shadowgate | Adventure | \$79.95 | Trauma | Entertainment | \$59.95 |
| Shortcut | Accessory | \$79.95 | Tricks and tips | Abacus disc | \$30.00 |
| Side arms | Entertainment | \$69.95 | Trigonometry | Educational | \$49.95 |
| Signum 2 | Word processing | \$499.00 | Trilogy | Utility | \$39.95 |
| Sky blaster | Entertainment | \$45.99 | Tripatron | Utility | \$95.00 |
| Sky fighter | Entertainment | \$39.95 | Trivia trove | Entertainment | \$39.95 |
| Sky fox | Entertainment | \$46.95 | Trivial pursuit | Entertainment | \$49.95 |
| Sky plot | Educational | \$145.00 | Tune up | Utility | \$69.95 |
| Slap fight | Entertainment | \$57.99 | Turbo Cup | Entertainment | \$59.95 |
| Soccer | Entertainment | \$69.95 | Turbo GT | Entertainment | \$49.95 |
| Solomons key | Entertainment | \$69.95 | Turbo ST | Utility | \$79.95 |
| Space ace | Entertainment | \$69.95 | Twist | Utility | \$99.95 |



ATARI ST software and hardware

| PROGRAM | CATEGORY | PRICE | HARDWARE | CATEGORY | PRICE |
|------------------------------|-----------------|--------------|-----------------------------|---------------|----------|
| Typesetter elite | Utility | \$69.95 | More st applications | Books | \$39.95 |
| Typhoon | Entertainment | \$49.99 | St artist | Books | \$39.95 |
| Ultima 4 | Adventure | \$79.95 | Gfa programmers reference | Books | \$45.00 |
| Uninvited | Adventure | \$69.95 | Atari st book | Books | \$35.00 |
| Universal military simulator | Entertainment | \$57.99 | Intro to sound & graphics | Books | \$39.95 |
| Vampires empire | Entertainment | \$62.99 | Elementary atari st | Books | \$39.95 |
| Vector ball | Entertainment | \$59.95 | Compute 1st book of atari | Books | \$35.00 |
| Vegas gambler | Entertainment | \$70.00 | 1St steps in 68000 ass/1 | Books | \$39.95 |
| Veteran | Entertainment | \$69.95 | Using st basic | Books | \$34.00 |
| Video titling design disk | Utility | \$59.95 | The desktop guide to dtp | Books | \$29.95 |
| Vip professional | Spread sheet | \$229.00 | Atari st application prg | Books | \$49.95 |
| Virus | Entertainment | \$59.95 | Gfa basic quick ref guide | Books | \$35.00 |
| Vixen | Entertainment | \$35.99 | Program in gfa basic | Books | \$35.00 |
| War hawk | Entertainment | \$34.95 | Gfa basic trng reboot cam | Books | \$39.95 |
| Warlock | Adventure | \$69.95 | Learning c on atari st | Books | \$49.95 |
| Warship | Entertainment | \$65.99 | Using logo on the st | Books | \$29.95 |
| Warzone | Entertainment | \$29.95 | Amiga cables | Cables | \$20.00 |
| Wercs | Utility | \$69.95 | Amstrad cables | Cables | \$20.00 |
| Wercs plus | Utility | \$99.95 | Keyboard pc extension | Cables | \$15.00 |
| Western games | Entertainment | \$59.95 | Centronics male to male | Cables | \$32.00 |
| Where time stood still | Entertainment | \$69.95 | Rs232 | Cables | \$22.00 |
| Whirligig | Entertainment | \$59.95 | Joystick leads | Cables | \$18.50 |
| Winter games | Entertainment | \$49.95 | Centronics Printer cables | Cables | \$20.00 |
| Wizard warz | Adventure | \$65.99 | Joystick extensions | Cables | \$18.95 |
| Wizards crown | Adventure | \$69.95 | I/o cables | Cables | \$19.95 |
| Wizball | Entertainment | \$55.99 | Atari cc90b | Calculators | \$17.95 |
| Word perfect | Word processing | \$549.95 | Atari cc191 | Calculators | \$21.95 |
| Word writer | Word processing | \$199.00 | Atari cc1800 | Calculators | \$32.95 |
| World darts | Entertainment | \$59.95 | Atari cc190 | Calculators | \$29.95 |
| Zynaps | Entertainment | \$69.95 | 520 Stfm | Computers | \$ CALL |
| | | | 1040 Stfm | Computers | \$ CALL |
| HARDWARE | CATEGORY | PRICE | Mega 4 | Computers | \$ CALL |
| | | | Mega 2 | Computers | \$ CALL |
| Db15 backshells | Accessories | \$1.10 | Pc3 | Computers | \$ CALL |
| Double adapters | Accessories | \$8.00 | Pc3 with 30 meg drive | Computers | \$ CALL |
| Centronics printer plugs | Accessories | \$13.00 | Copy holder standard | Copy holders | \$29.95 |
| Telephone cord | Accessories | \$9.50 | Stick on | Copy holders | \$16.95 |
| Telephone extension | Accessories | \$9.50 | Silicon Animation Mach (ST) | Digitiser | \$599.00 |
| Micro economy coloured | Binders | \$2.50 | Cs100 | Disk boxes | \$29.95 |
| 2 Ring | Binders | \$3.00 | Cs120 | Disk boxes | \$34.95 |
| Sheet protectors | Binders | \$16.50 | Ds 50l 3.5" | Disk boxes | \$14.50 |
| From basic to c compute | Books | \$37.95 | Ds 140l 5.25" | Disk boxes | \$23.95 |
| Complete desktop publish | Books | \$44.95 | Ds 40l 3.5" | Disk boxes | \$12.95 |
| Mastering word perfect | Books | \$43.95 | Ds 100l | Disk boxes | \$19.95 |
| Programming the 68000 | Books | \$49.95 | 3.5 Cleaner | Disk cleaners | \$12.95 |
| Mastering c | Books | \$43.95 | 5.25 Head c/kits | Disk cleaners | \$7.95 |
| Pascal progs in sci & eng | Books | \$44.95 | 5.25 40/80 Trk d/drive | Disk drives | \$499.00 |
| Understanding midi | Books | \$14.99 | ST 20 MEG Hard Drives | Disk drives | \$999.00 |
| Intro to sound & graphics | Books | \$33.95 | ST 30 MEG Hard Drives | Disk drives | CALL |
| Atari st graphics applic | Books | \$39.99 | ST 60 MEG Hard Drives | Disk drives | CALL |
| Gem on the atari st | Books | \$39.99 | Xf551 | Disk drives | \$375.00 |
| Using st basic | Books | \$39.95 | Sf 314 | Disk drives | CALL |
| St advanced prog guide | Books | \$30.00 | Chinon mechs | Disk drives | \$299.00 |
| St applications | Books | \$45.00 | 5.25 40 Track | Disk drives | \$345.00 |
| St tricks and tips | Books | \$39.00 | Dnoo1 d/n | Disk notchers | \$9.95 |
| St graphics and sound | Books | \$39.00 | Disk notcher | Disk notchers | \$7.95 |
| 3D graphics | Books | \$49.00 | 5.25 Wallet | Disk wallets | \$21.95 |
| Gem reference guide | Books | \$39.00 | 5.25 Skc marked | Disks | \$16.50 |
| Basic training guide | Books | \$34.00 | 3.5 Skc marked | Disks | \$28.00 |
| Logo users guide | Books | \$39.00 | 3.5 Skc plain | Disks | \$26.00 |
| St internals | Books | \$39.00 | 5.25 Plain | Disks | \$9.00 |
| St machine language | Books | \$39.00 | 5.25 Skc 1.6m | Disks | \$39.95 |
| St logo users guide | Books | \$39.00 | External drive clear | Dust covers | \$14.95 |
| Presenting the atari st | Books | \$39.00 | External drive plain | Dust covers | \$18.50 |
| St for beginners | Books | \$39.00 | Internal drive clear | Dust covers | \$15.95 |
| Peeks and pokes | Books | \$39.00 | Internal drive plain | Dust covers | \$21.95 |
| St basic to c | Books | \$39.00 | Aladin | Emulators | \$499.00 |
| Computer animation | Books | \$49.95 | Twinpacks | Joysticks | \$24.95 |
| Assembly language | Books | \$49.95 | Ecp 220 | Joysticks | \$24.95 |
| 68000 Assembler language | Books | \$39.95 | Js303 | Joysticks | \$29.95 |
| 68000 Pocket book | Books | \$9.95 | Atari cx 40 | Joysticks | \$14.95 |
| Disk drives inside & out | Books | \$49.00 | Challenger | Joysticks | \$19.95 |
| 40 More gt flight sim adv | Books | \$29.95 | Bathandle command | Joysticks | \$49.95 |
| 40 Great flight sim adven | Books | \$29.95 | Boss | Joysticks | \$39.95 |
| Learning c | Books | \$45.00 | Redball command | Joysticks | \$49.95 |
| Flying flight simulator | Books | \$29.95 | Threeway | Joysticks | \$64.95 |
| Music through midi | Books | \$49.00 | Quick shot 1 | Joysticks | \$29.95 |
| Atari st user's guide | Books | \$47.00 | Quick shot 7 | Joysticks | \$9.95 |



ATARI ST software and hardware

| HARDWARE | CATEGORY | PRICE | HARDWARE | CATEGORY | PRICE |
|----------------------------|----------------|----------|----------------------------|-----------------|----------|
| Pro 5000 | Joysticks | \$45.00 | 75 Ohm tv line | Plugs | \$1.00 |
| Clear turbo | Joysticks | \$34.95 | Spike arrestor | Power filters | \$59.95 |
| Arcade | Joysticks | \$19.95 | Powder gaurd | Power filters | \$64.95 |
| Reliable 23*89/1 | Labels | \$30.66 | Ac adapters 6 | Power supplies | \$9.00 |
| Reliable 36*102/2 | Labels | \$35.00 | Sf 314 p/s | Power supplies | \$55.00 |
| Reliable 36*102/1 | Labels | \$34.00 | Nx 10 ribbons | Printer ribbons | \$22.50 |
| Unidata 36*102mm/1 green | Labels | \$19.00 | Nx 10 colour ribbons | Printer ribbons | \$24.50 |
| Unidata 36*102mm/1 l/blue | Labels | \$19.00 | Lx 86 ribbons | Printer ribbons | \$14.95 |
| Unidata 36*102/1 pink | Labels | \$19.00 | Lx 800 ribbon | Printer ribbons | \$14.95 |
| Unidata 36*102mm/1 yellow | Labels | \$19.00 | Epson lq800 | Printer ribbons | \$12.95 |
| Unidata 36*102mm/1 l/blue | Labels | \$19.00 | Texas 850 | Printer ribbons | \$16.95 |
| Coloured | Labels | \$19.00 | Panosonic kxp1090 | Printer ribbons | \$12.95 |
| Laser Labels. 4 sizes | Labels | CALL | Lx 80 | Printer ribbons | \$9.50 |
| Australian atari gazette | Magazines | \$4.00 | Nx 10 | Printer ribbons | \$22.50 |
| St update | Magazines | \$7.99 | Seikosha | Printer ribbons | \$17.00 |
| St user | Magazines | \$8.95 | Nx 15 ribbons | Printer ribbons | \$26.50 |
| St world | Magazines | \$8.95 | Nec p2200 | Printer ribbons | \$15.99 |
| Antic | Magazines | \$7.95 | Perspex printer stand | Printer stands | \$32.00 |
| Atari user | Magazines | \$2.95 | Smoked | Printer stands | \$32.00 |
| ST Action | Magazines | \$7.95 | 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 |
| SM 124/5 | 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 |
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| 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 |

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

February/March ST software
SPECIALS



| ST software title | normally | SPECIAL |
|-----------------------------|----------|---------|
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| Around the World in 80 Days | 69.95 | 55.95 |
| Arctic Fox | 29.95 | 25.95 |
| Bob Winner | 59.95 | 49.95 |
| Chubby Gristle | 49.95 | 39.95 |
| Dizzy Wizard | 59.95 | 49.95 |
| Global Commander | 59.95 | 39.95 |
| Great Gianne Sisters | 49.95 | 39.95 |
| Knight Raider | 69.95 | 49.95 |
| Mafdet | 69.95 | 49.95 |
| Quadralian | 69.95 | 49.95 |
| Rugby League Boss | 69.95 | 49.95 |
| Sapiens | 59.95 | 49.95 |
| Space Port | 49.95 | 39.95 |
| Armageddon Man | 79.95 | 49.95 |
| Juggler | 69.95 | 52.95 |
| The Sentinel | 52.00 | 39.95 |
| Thrust | 34.95 | 29.95 |
| Typhoon | 49.95 | 39.95 |
| Virus | 59.95 | 42.95 |
| War Hawk | 34.95 | 29.95 |
| Zynaps | 69.95 | 49.95 |
| Seconds Out | 59.95 | 45.95 |
| Hot Shot | 69.95 | 39.95 |
| Teachers Pet | 45.95 | 25.95 |
| Img Scan | 179.95 | 149.95 |
| Jet | 79.95 | 69.95 |
| Flight Scenery disk Japan | 69.95 | 59.95 |
| Word Perfect | 549.95 | 499.00 |
| K Rikki | 59.95 | 45.95 |
| Pro Fortran | 295.00 | 195.00 |
| Catch 23 | 52.99 | 39.95 |
| Extensior | 39.95 | 25.95 |
| Terramax | 64.99 | 52.95 |
| Typhoon | 49.99 | 39.95 |
| Eye | 36.99 | 29.95 |
| I Ball | 34.95 | 29.95 |
| Bolo | 59.95 | 39.95 |
| American Pool | 39.95 | 25.95 |
| Bad Cat | 59.95 | 45.95 |
| Wizball | 55.99 | 45.95 |
| Rings of Zilfin | 67.99 | 59.95 |
| Mickey Mouse | 59.95 | 49.95 |
| Miami Mice | 39.95 | 32.95 |
| Vixen | 35.99 | 29.95 |
| Award Maker Plus | 64.95 | 49.95 |

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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.

| software/hardware item | quantity | item cost | total cost |
|------------------------|----------|-----------|------------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | total | |

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

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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

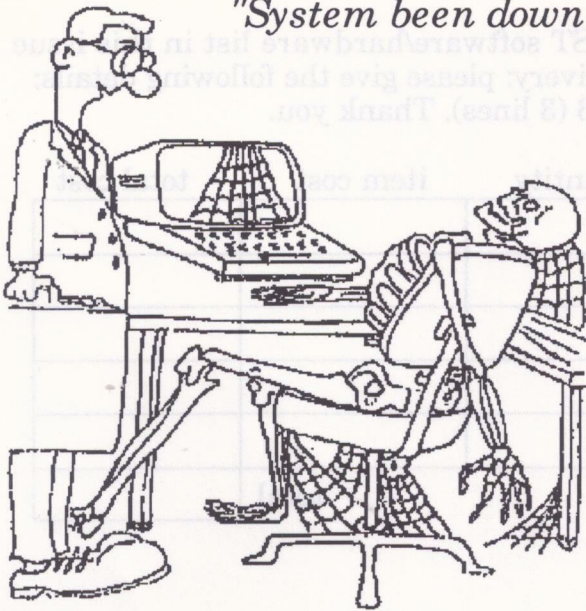
Name: _____ Phone: _____

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.

"System been down long?"



"I don't think he's quite got the hang of the laser printer."



A NEW GDOS will be available from Atari during the first quarter of 1989. The new G-Dos is supposed to be the "ultimate" and will be totally compatible with all programs needing GDOS. This GDOS will support (outline fonts) (Post Script quality fonts in any point size ala CALAMUS)

ATARI will be supporting a full page monitor, due to appear first quarter 1989. The NEW Monitor will follow the "Power without the Price" beatitude of Atari's and still provide a "full page" screen work area.

FTL is confident that the sequel to Dungeon Master, "The Revenge of Chaos", will be shipping by the end of January 1989

All NEW 520 STFM's have a nasty trick in store for those who want to upgrade to 1 meg by putting there own Ram chips in. The ram chips now in use are DIPs which are surface mounted and the chips are rectangular with 2 sides of four legs and 2 sides of five legs.

Atari is working feverishly to make the new TOS work properly in partitions larger than 16mb. They expect to have the situation under control shortly.

Some of the fonts soon to be available for Calamus

ITC Souvenir
CG Times
Bauer Bedoni
Garamond
ITC Korinna
Helios Rounded
Schneidler
Univers
CG Triumvirate
Futura II
CG Palacio
Souvenir Gothic
Greek
CG OmegaITC
American Typewriter
Raphael
Revue
CG Century Schoolbook
Uncial
Isabella
Typewriter
Large Elite
Garth Graphic
ITC AGG
Wedding Text
Lucia Script
Park Ave
ITC Zapf Chancery
Old English
Cyrillic
Modern Black Letter
Antique Olive

ETA Systems, a subsidiary of Control Data Corporation which develops supercomputers, has shown their use of Atari ST's running under the IDRIS Operating System as development stations for both writing supercomputer software and to help design supercomputers.

Vega Technologies has announced a new Videotape which is 40 minutes of intense instruction on how to use the Amiga CLI.

Paragon Software, formally allied with Electronic Arts, has joined forces with Micropose in the Medalist Software Group. Soon they will be working on a series not unlike the S.A.G.A. series we have seen on the ST. Paragon signed a deal with Marvel Comics. Spidy and Cap't. America are back!



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 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 | 26 | 27 | 28 | 26 | 27 | 28 | 26 | 27 | 28 | 29 | 30 | 31 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | | |
| 29 | 30 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | |

| May | | | | | | | June | | | | | | | July | | | | | | | August | | | | | | | | | | |
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| 7 | 8 | 9 | 10 | 11 | 12 | 13 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | | | | |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | | | | |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 | 25 | 26 | 27 | 28 | 29 | 30 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 27 | 28 | 29 | 30 | 31 | | | | | | | |
| 28 | 29 | 30 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| September | | | | | | | October | | | | | | | November | | | | | | | December | | | | | | | |
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| 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 | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 31 | 1 | 2 | 3 | 4 | 5 | 6 | |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | |
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| 24 | 25 | 26 | 27 | 28 | 29 | 30 | 29 | 30 | 31 | 26 | 27 | 28 | 29 | 30 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | | | | | | | |

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Welcome to the fourth edition of **THE PARAGON REPORT**

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



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

The magazine is produced in house using the Paragon Desktop Publishing Solution, consisting of an ATARI Mega4. 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 three issues of PARAGON REPORT, (*please keep it up*). Due to numerous requests from readers of the first three 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.

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New users column

With Tips, Instructions, Secrets and Hints on the Atari ST

AUTOMATIC FUNCTIONS

QUESTION: By using batch files on my IBM clone at work, I can cause the computer to automatically perform a number of tasks. Can my ST do this?

ANSWER: To some extent, yes. The ST has certain automatic-running capabilities, although its operating system is not nearly as versatile in this regard as the IBM's is.

Here are a number of ways to carry out automatic functions on the ST:

1. Create an Auto Folder. This is a special kind of folder that's placed on your boot disk which automatically runs whatever programs are located inside it.
2. Use Deks Accessories. These are special programs which automatically load into memory when you turn on the computer. They stay in the ST's memory, even when you load a non-Desk Accessory application program. Desk Accessories are "quasi-multitasking programs" which run in infinite loops whenever the main application program isn't busy.
3. Use a DOS-type shell program on your ST which imitates the type of operating system used on the IBM and IBM clone computers. With one of these programs (such as DOS Shell from Michtron), you'll be able to perform batch operations, among other things.
4. Use an auto-running program such as AUTOGEM, which is on the STuff disk from Michtron. AUTOGEM allows you to select a GEM program to be automatically run whenever the system is booted. One unique thing about this program is that a three seconds delay occurs before the target program is run, thus allowing you to choose to abort the autorun, or allow it to proceed.

Reproduced for The Paragon Report from THE ATARI ST BOOK with permission from the author, Ralph C Turner.

THE ATARI ST BOOK

A user's guide to the ST

Tips, Instructions Secrets and Hints for the 520, 1040 and Mega ST's

by Ralph C Turner

Available from all major Atari dealers
or phone (09) 221 4142

Living in the World of Atari

Up until about a year ago last December, I was a happy-go-lucky IBMer. What's an IBMer? That's usually someone who works for a big company and uses whatever computer his boss tells him to. In this case, though, I was the boss who chose IBM. I was convinced that Ventura Publisher was the best Desktop Publishing system available and it only runs on IBM PCs.

I'd been using Ventura for about a year and was also using Lotus Freelance, Publisher's Paintbrush, Displaywrite/4 and several other products that ran chiefly on IBM.

One of my favorites was SPF/PC, from CTC. It is virtually identical to the SPF resident on IBM mainframes as part of TSO. By the way, I've worked with mainframes since I began writing books about them back in 1974. I also did my share of big-company systems analysis, and some programming with a language called SAS. I wrote a lot of formatters, index generators, and other programs related to producing programming manuals using the mainframe like a great big typewriter.

Like so many IBMers, when I had finally saved enough money and psyched myself up into a spending mood, I was thinking IBM. You've heard it before- get a home computer that will be as much as possible like the one in the office. They call it compatibility.

So I called my friendly neighborhood discount dealer and got some prices and specs. For just a little under \$3,000.00, he could fix me up with a computer a lot like the one I had at work only not a true IBM. That sounded fine and so I called my friend Ron to tell him all about the computer I planned to buy. "But", said Ron, (Atarians say that a lot), "before you actually plunk down any money, you might take a look at the Atari ST." It can run IBM and MacIntosh programs as well as its own.

Now I pride myself on being an open-minded fellow but Atari? It just didn't seem quite possible. I called Virgil. He sided with Ron!

The next thing I knew, I was over at Randall's Home Computer Store with a copies of SPF/PC and

PC/DOS under one arm. Sure enough, they ran just fine on the Atari using a software environment set up by a product called PC Ditto. (A week or two later, I saw a demonstration of a product called Magic Sac that allowed MacIntosh software such as MacPaint and MacDraw to operate on the Atari.)

"So what about some Atari software," I said, just to be sure I could say later that I had seen a full demonstration. You see, at that point, I was just being polite really to appease Ron and Virgil. "is there any publishing software in the Atari world?"

That's when I first saw Publishing Partner. I couldn't get over a \$69 program that could do so very many of the same things that Ventura Publisher did. It not only did them easily -- it did them in far less time. For example, paging from page one to page 55 in a Ventura document takes several minutes. In Publishing Partner, it took several seconds! I was hooked.

A few days later, I went to a meeting of the ACE St. Louis club. Matt Ratcliffe, the outgoing president, at that time had just sold his Atari because it was too slow when doing PC emulation. He nearly talked me out of buying an Atari. I was worried. I got some reassurance from Ron and Virgil and Tom W. that I probably wouldn't be troubled as much as Matt because he had been doing things that I didn't have to worry about. Matt was absolutely right and I know that now. The Atari is too slow in that mode to be of any real use over any extended period of time. That's just one of those things, -- at the time, I didn't know who to believe for sure.

So I went back to Randall's and bought it. I bought the Mega ST2 because I liked the feel of its keyboard so much better than the one on the 1040. I also bought a hard drive, extra 5 1/4 inch drive (for PC Ditto use), and a copy of Publishing Partner. Since then I've added many more software products. All are Atari rather than IBM.

Little by little, people found out that I had bought an Atari. "Of course," they said, "no doubt because of its musical capabilities." "No," I said, "I bought it to publish with." What's this about musical

capabilities?" "Oh sure, a lot of big rock stars use them."

You just can't imagine how confusing and troublesome that became. I've worked in electronics, computers, and technology since 1957. I've been a musician even longer than that. So how did I miss all this? How did a complete technology with its own language, its own rules, its own separate culture grow up without me knowing about it? More important, how come I didn't understand a single word printed in "Music Technology" magazine? Okay, I'll tell you how. I was living in an IBM world. All work and no play. I was playing good old fashioned music to get away from all that. Perhaps, I got a little too far away.

Luckily, there was and is a special interest group for people interested in Atari's musical abilities. I've been to quite a few of their meetings by now and soon I hope to be able to speak their language.

But was Ron satisfied? Did the fact that I spent all my money on Atari-related hardware and software get him off my back? If you know Ron, you know better. As I write this, I am looking over at a Magic Sac that Ron insisted on lending me over the long weekend so I could try it out first hand. I suppose he thinks that once I've used MacDraw, SuperPaint and a few other MacIntosh programs on my Atari, I won't be able to rest until I've bought a Magic Sac of my own.

Ha! It's only two-o'clock in the morning and some of the excitement is beginning to wear off already. I'll bet in a few hours, I'll be able to rest easily on my decision not to buy a Magic Sac.

But you know something, I was browsing through the latest issue of PC Magazine yesterday and noticed that there's a new version of Ventura Publisher now. I wonder if I've become as close-minded about IBM as I once was about Atari. I have no desire at all to try out the new Ventura.

From ST Report
Author unknown
Paragon Computers

How to win a FREE ST hard drive

Win a FREE 20meg hard drive for your ST by answering these 10 simple questions.

1. **HISTORY:** Describe the history of the Papacy from its origins to the present day, concentrating especially but not exclusively on its social, political, economic, religious and philosophical impact on Europe, Asia, America and Africa. Be brief, concise and specific.

2. **MEDICINE:** You are provided with a razor blade, a piece of gauze and a bottle of scotch, Remove your appendix. Do not suture your work until your work has been inspected. You have 15 minutes.

3. **PUBLIC SPEAKING:** 2,500 riot-crazed immigrants are storming the local Citizens Advice Bureau. Calm them. You may use any ancient language except Greek or Latin.

4. **BIOLOGY:** Create life. Estimate the differences in subsequent human culture if this form of life had developed 500 million years earlier, with special attention to its probable effect on the Australian Parliamentary System. Prove your thesis.

5. **MUSIC:** Write a piano concerto. Orchestrate and perform it with flute and drum. You will find a piano under your seat.

6. **SOCIOLOGY:** Estimate the sociological problems which might accompany the end of the world. Construct an experiment to test your theory.

7. **ENGINEERING:** The disassembled parts of a high powered rifle have been placed in a box on your desk. You will also find an instruction manual, printed in Swahili. In 10 minutes a hungry Bengal tiger will be admitted to the room. Take whatever action you feel appropriate. Be prepared to justify your decision.

8. **POLITICAL SCIENCE:** There is a red telephone on the desk behind you. Star World War III. Report at length on its sociological aspects, if any.

9. **PHILOSOPHY:** Sketch the development of human thought; estimate its significance. Compare with the development of any other kind of thought.

10. **GENERAL KNOWLEDGE:** Define the Universe. Describe in detail. Give three examples.

A time of 2 hours is set, a pass mark of 85 percent is required to qualify.

Please forward completed answers to:-
PARAGON COMPUTERS (hard drive contest)
17a. 5 Short Street
Perth. W.A. 6000

F16 FALCON

FALCON TEACHES THE ARMED FORCES!

by Richard Bennett

The latest in military technology for flight training is coming from a very unlikely source, the entertainment software industry! Sphere Inc. of Alameda Ca., points out that the game Falcon an F-16 fighter simulation for personal computers, will be the basis for a line of low cost air crew trainers for the armed forces.

Sphere has signed a seven year, exclusive contract with Perceptronics Inc., of Woodland Hills Ca., to furnish the software for a family of F-16 training products called the ASAT (Avionics Situational Awareness Trainer) line.

Falcon, the game that is the foundation for the ASAT software, was developed by Sphere and is marketed through Sphere's Spectrum HoloByte division.

Earlier this year, Falcon received three Excellence in software Awards from the Software Publisher's Association--Best Simulation, Best Technical Achievement and Best Action/Strategy. Since the game's introduction, almost a year ago, it has been on the best selling charts for IBM and MacIntosh software.

The ASAT line will be produced and marketed by Perceptronics, a pioneer and leader in low cost simulation technology. The ASAT family will include seven trainers ranging from a Basic Tabletop Trainer through an advanced Instrument and Emergency Procedures Cockpit Trainers, as well as a Cockpit Trainer with a Mini-Dome. One of ASAT trainers was first demonstrated in September at the Farnborough Air Show in England.

Each ASAT will have certain basic features, such as full color displays from from an extended graphics card, a high fidelity stick and throttle, the capability for scenario

review plus selectable flight and weapons parameters that may be reprogrammed by the user. Each of the trainers will be modular so that more features may be added and the modules are fully capable of networking. The ASATs will take advantage of the latest in microprocessor technology, including from one to four low cost 80386 based micro computers.

According to Sphere's CEO Gilman Louie, the current advanced technology of the flight simulations in entertainment software coupled with the complex and sophisticated combat scenarios developed by Perceptronics, is what attracted the attention of the military. He says "With their low cost we expect the military to acquire multiple trainers and to place them in strategic locations to provide readily available training to all personnel".

Sphere is a member of Robert Maxwell's multi-billion dollar Maxwell Communication group of companies. The company is known for it's personal computer simulations published under the Spectrum HoloByte trade name, some of which include; GATO, ORBITOR, PT-109, and FALCON.

Perceptronics is a publicly held company. It serves a full range of growing military needs for training, simulation and decision support, including research and development, manufacturing and field maintenance.

Major Perceptronics contracts include development of network tank simulators and precision gunnery training simulators for TOW and DRAGON anti-tank missiles. Without the slightest hesitation it is safe to say that FALCON certainly DOES evolve from a fine family of blueblooded professional simulations.

Article from ST Report
by Richard Bennett
Compuserve
Paragon Report

EDYUKASHUNAL SOFTWARE

for the ST

by Peter Feszczur

Kids and computers go well together, although if yours are anything like mine 80% of the child's computer time is spent playing games! It's not that I don't want them using the old ST. On the contrary, it's just that here in a room is the marvel of our time being used to play games-mostly shoot-em-ups. Any \$1.00 rubber ball can do that (maybe not the shoot-em-ups).

With this in mind I went looking for software that would keep my 10 and 12 year olds, entertained but at the same time make their gray matter work a little. I went to Paragon Computers in search of that elusive "Educational software" which is much needed but rarely found, apart from the basic numbers and alpha type games most of which my 6 year old finds too easy. To my delight there on the shelves was a large compliment of the famed SCHOLASTIC SERIES which is an Atari backed product under the banner of ARRAKIS ADVANTAGE, one of the best educational software publishers.

I found that the Arrakis series is made up of 17 educational tutorials each contained on two single sided disks. Maths and science are the only two subjects available but they are split into several sub-groups. The maths group covers algebra, geometry, statistics and trigonometry, while the science group deals with biology, chemistry and physics. Even though the Arrakis series is an American product aimed at U.S. lower high school

students, I'm sure they will be of equal benefit to our Australian school curriculum.

These must be the most "user friendly" software packages I have used in a long time, right from the auto loading, to the five types of dialogue screens; opening, overview, help, tutorial and score. The only time I had to refer to the manual was after I had been through four of the lessons sequences. (The kids didn't get much of a chance to try the programme for a while). You can tell that this computer aided learning system has been developed by people who know what education is all about and how to maintain user interest.

The tutorials are set out in such a way that the children (or adults) defines their own progress speed, with each lesson split into sequences that cover a set concept. After using the help screen a few times you learn that you can communicate with the programme using a number of simple command words. In this way a complete or part sequence can be reviewed if needed, until that concept is fully absorbed. To make sure that all concepts are understood there is a test at the end of each sequence and unless sufficient marks are gained you cannot go to the next sequence.

The use of animated graphics keeps the lesson in a (dare I say) playful mood, keeping the user interested (a little more humour would be nice though). All concepts are graphically displayed (mostly animated) as well as having a little man appear on a dialogue screen (a teacher?? is that a cane he's carrying??). All the facts needed for a concept are clearly listed, using several screens with as much time as you want to think

about what is being displayed or to make any notes. This is much better than being in a classroom if you are a slow writer like me.

I don't think anyone could complete a tutorial in one session, which is why there is a "quit" command that saves your place and score up to that point, allowing you to continue from there when next the tutorial is used. In this way, a tutorial can be split into three or four separate units like the "unit curriculum". It also keeps tabs on the students progress with the of aid the score screen, also each tutorial has a final exam. Another great feature of the series is that they all use the same format, making it very easy to go onto the next title without the fuss of starting afresh, in addition all programmes can be used with either colour OR monochrome systems.

A lot of hard work must have gone into this ARRAKIS ADVANTAGE system, Not only is this a very pleasant and easy to use programme, it seems appropriate that it has the trade name of "Socrates". My 10 year olds comment was "It really seems like you have a teacher with you"

This is the type of software package that should be promoted with vigour, for both the home and school situation. I'm sure it would help a teachers life as much as it helped mine (and now the old ST is earning a living as well). This is a TOP CLASS product well worth \$49.95 price tag.

article for Paragon Report
by
Peter Feszczur

WERCS

Wimp Environment Resource Construction Set Flexible Resource Editor

Reviewed by Steve Quartly for *The Paragon Report*

Product : WERCS
Publisher : HiSoft
Available : Paragon Computers
Author : Dave Nutkins
Cost : \$69.95

INTRODUCTION

A resource editor is not a luxury for programmers these days but a necessity and up until now there have only been three resource editors to choose from. They were the Digital Research RCS (provided with the developers kit), the Megamax RCS (provided with Megamax and Laser C) and K-Resource (from Kuma).

When I set out to do this program review, I didn't know WERCS existed and I had decided to review K-Resource. Unfortunately when I had got it home it refused to do what it should and I spent the next two hours trying to make it work, only to find out that the program doesn't want to work on the machines with the new ROM's. So I gave up in disgust and started reading *ST World*. In doing so I came across an advertisement for WERCS, so I lept on the phone and rang Phil at Paragon to see if he could get it in. Blow me down he had it on the shelves and hadn't even told me (THANKS PHIL!). After a quick run through at the shop, I bought it, needless to say I'm impressed!

PACKAGING

WERCS comes in a thin plastic

folder not unlike a twin ring folder without the rings. It has a registration card, a comprehensive soft covered 78 page manual, and a single sided 3.5inch diskette. The manual is very well setup, with a first time user and an experienced user section. One of the first things it asks you to do is make a back-up disk and write the serial number that appears on your disk in the manual. This was a little difficult for me as I could not find a serial number on the package anywhere!

The manual assumes that you know nothing about resource files so a person just starting to use them should be able to do so, however complex setups such as ProgDefs or UserDefs would require extra documentation.

Chapters 1 - 4 concentrate on how to set up and run the program. Chapter 5 has a reasonably comprehensive section on Tree Structures, Object Flags, Object States, Tedinfo Structure, Iconblk Structure, Bitblk Structure, Applblk Structure, and the Parmblk Structure. It also covers various other areas such as a Hints and Tips section, details on how to use the program with the language you are using, and an explanation on the example RCS file provided. Chapter 6 explains the utility programs provided on the disk. In the back of the manual is a Keyboard

summary chart for quick look up of keyboard commands, a complete explanation of it's .HDR file format, equivalent to the .DEF file in the DRI kit and the .RSD file with K-Resource, a complete explanation of the .LNG file format which is alterable by the user and is used to determine the end result of the .H file used by C and other languages. The manual is finished with an index.

THE PROGRAMS

The disk supplied is almost full. It has on it WERCS, a conversion utility to convert existing resource file formats to WERCS's format and a utility that enables you to grab a section of a Degas or Neochrome picture to use as an Icon. This is an excellent utility which basically means you could create your Icons using either of these drawing programs and then import them straight into WERCS.

The sample program supplied on the disk comes in C, BASIC, Pascal, Modula-2 and Assembler. A program called CHECKST is also supplied so that supplied so that if you have bugs, you can do a printout of your system details and send it to HiSoft along with your problems. HiSoft's file selector is also supplied on the disk.

After running WERCS you are presented with a very full menu bar and you soon realise that nearly everything is done via the menu rather than icon as in the other RCS editors. I found this a little hard to get used to,

WERCS

Wimp Environment Resource Construction Set

Flexible Resource Editor

however after a little practice I'm sure it will work just as efficiently.

The program does everything all the other editors do, so I will point I out what I found to be it's features. One thing I did notice with the menu was that the menu options had not been sorted so when they are displayed, it is a little messy. This seems funny, as this program is designed to allow for that!

In the FILE drop down menu you find the usual LOAD and SAVE etc. however there is a SAVE PREFS option which allows you to set up the program the way you like to run it and then store that environment. It also has the IMPORT IMAGE option for loading DEGAS or NEOCHROME Icons which once again is one of the programs best features.

Also on the menu is a LANGUAGE option to allow you to tell WERCS what language you are writing in. This is needed so it knows whether to write a .H file, .INC file, .DEF file, .I file, or a .BH file, dependant on what language you use, to include in your source listing. If your write in something other than C, Pascal, Modula-2, Fortran, Assembler, or BASIC, don't worry because you can modify the output to suit your needs.

In the FLAGS menu is an EXTRAS option. This allows you to access the objects internal structure. For example it's exact X,Y position, it's width and

height, and several other options. This is extremely handy, however it can be dangerous and should be used very carefully.

In the MISC MENU there is Auto Sizing, so that each time you change the text of an object, the size of the object's box will change to just surround it.

Auto Naming is also a very handy option, it is also included in the dialog boxes that are used to set up text strings under the SAME button. It will automatically name an object dependant on it's text, in other words if the text in a button is PUSH then the button will automatically be named PUSH. You can also supply a pre-fix to a tree. If this tree was called TREE1 then our button would then be named TREE1PUSH.

It takes a lot of the hard work out of creating resources. FIND TEXT, FIND NAME and NUMBER SELECT are also under this menu option. They allow you to search your trees for any text, names or call an object directly by it's number, which incidently can be found in the EXTRAS option.

Another extremely handy option called TEST is also provided. Test allows you to test your menu bars, dialog boxes and alerts from the resource editor. This is great to make sure your radio buttons are working!

The Icon editor is very quick indeed however when you decrease the pixel size it slows

down quite a bit. You can flip an icon horizontally and vertically. You can AND, OR or XOR points, draw straight lines by marking a start and end point. The Cover option will copy the icon to the mask and surround the bits that are already set with extra bits, in fact it almost makes a perfect mask first time! You can also zoom in on your icon as you are editing it.

CONCLUSION

This has been a very brief overview of WERCS. I found a lot more likes than dislikes. I found using the menu a little slow when setting the flags on different objects, I prefer to use the icons used by the other editors. I also had to modify the .LNK file to suit Laser C, however, if you were to take all the good points of the other RCS editors, put them together into a single package and add a few more good points you would probably call it WERCS!

I recommend this program to anyone who is interested in writing software using GEM's resources. It's price and flexibility are most attractive.

Reviewed by
Steve Quartly
for
The Paragon Report

Pete's DTP Clinic

First I would like to introduce myself. Peter Feszczur is my full name, I'm a avid ST user, (mainly DTP) and a active committee member of the WAACC. I also hold the position of DTP sysop on the Paragon BBS in Perth.

Phil has asked if I could write a regular column for *The Paragon Report*. So here it is Pete's DTP Clinic To make the column work, I would like some response in the way of questions or comments (good or bad), to get some idea of what people want in the way of information. Maybe the column could become a sort of information interchange for all those interested in DTP. I'm sure if I can't find the answers, there will be a reader out there who can.

You can send your comments or questions to : Pete's DTP Clinic C/o Paragon Computers. 17A. 5 Short Street, Perth. 6000. Leave a message on the BBS on (09) 3255160 or phone (09) 2213216, I'm sure the boys will pass the message on. In the mean time I'll try to pass on some aspects of TYPOGRAPHY that I learnt the hard way.

It doesn't matter how good your computer is, or what DTP programme you are using, to produce an attractive, readable and successful publication a basic knowledge of typography is needed. Typography to quote the dictionary is the "art of style of printing". Typography can change the message your document gives with the style, type and size of font, just as much as colour can change a painting. There are many books written on the vast subject of typography, my advice is to read a few it will help I guarantee it.

It took me some time to realise why some documents although written in the same font were easier to read than others. It was

the amount of LEADING (pronounced LEDDING) which has to do with the spacing between lines of text. (*The name dates back from the days of metal type, when the only way to introduce more space between the text was to insert a strip of lead or other metal*). Lines of text that are set without any extra spacing are said to be set solid, although the descenders on one line will not quite touch the ascenders on the line below the distance will be very close.

There are two main concerns with leaded type, first by using extra leading the readability of the type is increase. So for example, you might want to set 9pt (*one pt or point is equal to one $\frac{1}{72}$ of inch*) text with the line spacing of 10pt. (i.e. 9 point letters with a 1 pt space between the text) In metal type days, this was achieved by using 9pt type on the base blocks of 10pt type. Therefore it is referred to as '9 on 10' and written '9/10'. When using small type sizes leading should be kept small, perhaps only half a point . . while larger sizes require larger leading. A general rule of thumb is that leading should be set to 20% of the character size (e.g. 10pt type with 2pt's of leading). As a further rule of thumb, type set in a wide column can receive more leading than type in a narrow column.

Second, leaded type occupies more depth than solid setting. If a run of type falls short of the required depth (allocated space) and nothing more can be added to the text, setting it with more leading could make it fit. On the other hand, if you are short of space you might set your text solid (or very close to solid). But don't introduce such drastic changes, if you can help it. Generally, newspapers set their news text solid for reasons of economy and incidentally, because of the busy appearance it can give a page, while most magazines articles and feature pages are set

with more leading for a lighter appearance and improved readability. It's easy really, once you know why and how. So next time you think you need an eye test have a look at the leading, that might the trouble.

The next problem I had to cope with, was page layout. I bought a software package called Publishing Partner (you might have heard of it ??) it was very powerful and so easy to use. How nice it was having so much printing power at my finger tips !!! Before long all kinds of documents were rolling of my printer, all with 10 or more fonts (and sizes too) **Bolded**, **Outlined**, *Italicize*, and more. Somehow though something was lacking, I couldn't quite put my finger on the problem. So down to my friendly printer to ask his advice, after he had stopped laughing and picked himself up of the floor he put me straight.

You see the power had gone to my head !! Yes all the fonts types, sizes and attributes were very clever but were NOT needed on one document. What is needed is the old 1-2-3. Decide on ONE font (the one which will best get your message across), TWO text attributes for highlighting etc and THREE font sizes (at the most 4) for headlines, sub-headings and the body text, that's all.

It sounds easy but it take a lot of experimenting to get it right (or what you hope is right). Also beware of the urge to make your page busy with boxes, lines and graphics, as this has a worse affect than too many fonts etc. It might sound very conservative but believe me, with a little imagination the right page layout, font and attributes (and don't forget to read those books), you will make it to the top.

Article for Paragon Report
Peter Feszczur