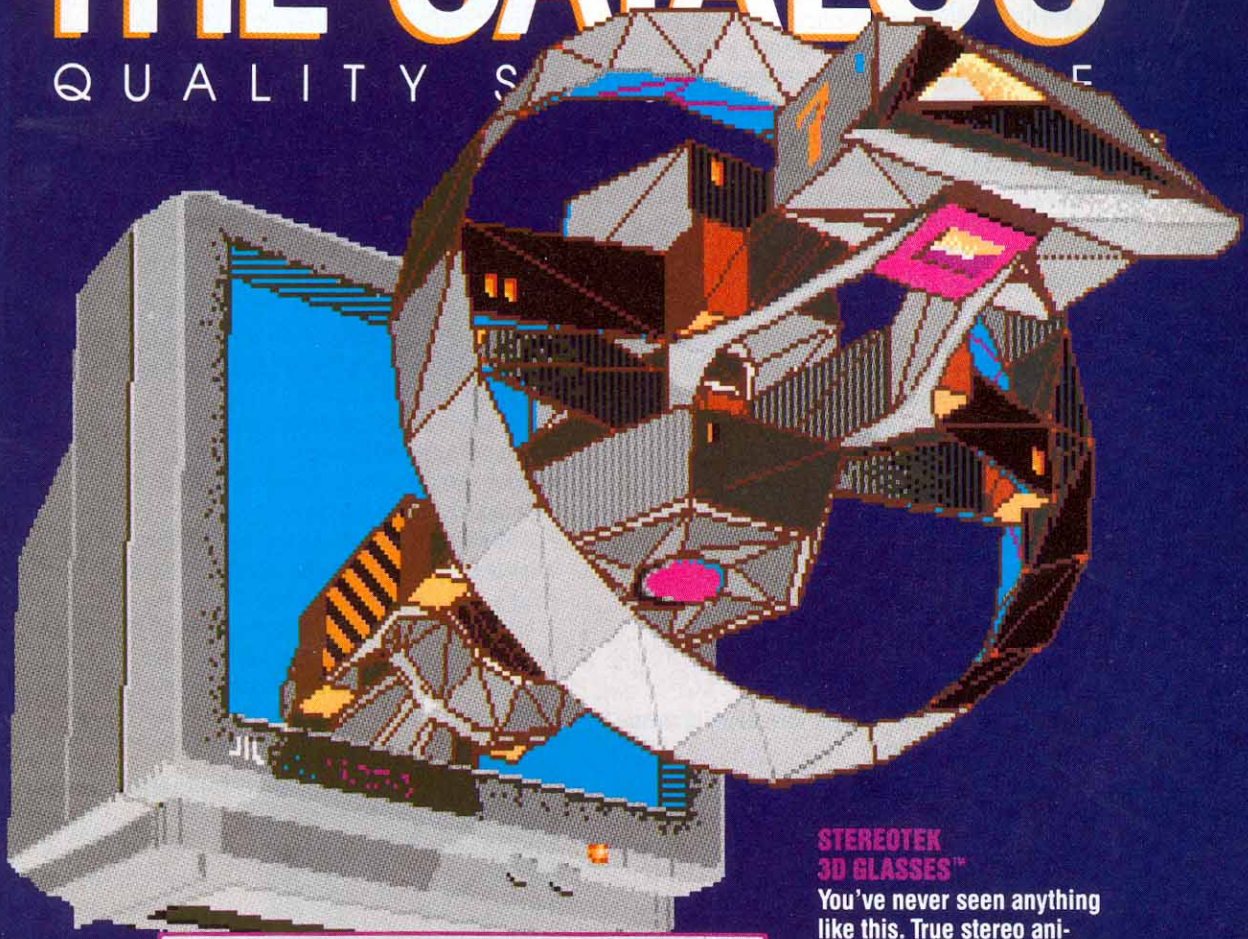
THE CATALOG™

QUALITY S[illegible]



"Antic's CAD-3D is one of the best programs I've seen for the Atari or anything else."
—Jerry Pournelle
Byte Magazine

STEREOTEK 3D GLASSES™
You've never seen anything like this. True stereo animated graphics which make CAD-3D creations leap right out of your screen. We've shown this system at computer shows and the crowds have almost knocked our booth over.
(does not require CAD-3D)
TH9020 $149.95

THE CYBER STUDIO STEREO CAD-3D™ 2.0 *plus* CYBERMATE™
Tom's supercharged version of CAD-3D. Enhancements include dimensioning (real-world scaling), GDOS output, STEREO, and over a dozen other incredible new pro-features. PLUS, *CYBERMATE*—animate the next digital cinema masterpiece.
(requires 1 megabyte RAM)
ST0236 $89.95

PLOTTER AND PRINTER DRIVERS
For graphics afficionados. Print your CAD-3D creations on a Hewlett-Packard (or compatible) pen plotter. Get 3,000×3,000 line resolution output! Includes 20 custom screen-dump drivers for every popular dot-matrix printer.
(requires CAD-3D)
ST0225 $24.95

3D-FONT PACKAGE
Use CAD-3D to design professional graphics and animations. From video titles to corporate logos. Includes two detailed font sets.
(requires CAD-3D)
ST0224 $24.95

Explore the new CAD-3D™ Universe on page 2.

FUTURE DESIGN DISK
The ultimate 3D clip art library. Everything you need to create your own science fiction fantasy film or artwork. Designed by a professional illustrator and animator to make super graphics easy for you! The FUTURE DESIGN DISK was used to create the artwork on this page.
(requires CAD-3D)
ST0232 $24.95

Image created by Darrel Anderson with CAD-3D and DEGAS Elite.

NEW!

THE CYBER STUDIO™ (2-program set)

*Tom Hudson and Mark Kimball take you into a **new** dimension!*

Tom Hudson's STEREO CAD-3D™ 2.0

- Works with StereoTek 3D Glasses
- Requires 1 megabyte RAM

If you're just getting started, or if you've already got CAD-3D 1.0, you can now look forward to over a dozen new **professional** features **plus** CYBERMATE—The CAD-3D animator. All integrated into THE CYBER STUDIO, a complete professional 3D design package. And the 2-disk set upgrade is only $40 (plus your original disk and $5 shipping).

Solid Modelling with Shading. Amazing.

With the **new** CAD-3D, **your ST** becomes the most powerful 3D graphics workstation this side of Hollywood. Even if you're not a professional designer, you can use the 3D FONT PACKAGE and FUTURE DESIGN DISK to create **network-quality graphics.** Professional 3D Clip Art—No artistic skill required! We're talking about **digital scene simulation,** not just goblets and sugar cubes. The perfect companion to DEGAS Elite.

Look at all these NEW features!

- True **STEREO** control with perspective adjuster
- **Dimensioning** for real-world object scaling
- Three independent light source icons, now put them anywhere in the 3D universe
- Z-buffering for 100% perfect hidden line removal
- GDOS printer output for ultra-high-res printouts—even with dot matrix printers
- Load/Save 2D object templates
- Super Extruder Tool for building objects with holes in them (like fonts) and/or multicolor faces
- Custom palette/shading selector
- Illustrated tutorial written by a professional artist, includes 3D objects on disk

Mark Kimball's CYBERMATE™

The CAD-3D Animator.

Supports (optional) StereoTek 3D Glasses

Now, CAD-3D is a cinematic tool rivaling workstations costing thousands of dollars. This is the software that has been drawing the crowds at our trade show booths.

Using advanced Delta compression techniques, CYBERMATE transforms your 1 meg ST into a **TEN MEGABYTE frame buffer.** Store up to a thousand animation frames of 3-D objects (no matter how complex) in RAM and play them back at speeds up to sixty frames-per-second. That's 2½ times faster than any movie. Silken smooth!

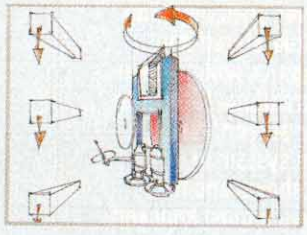
Write animation MACROS

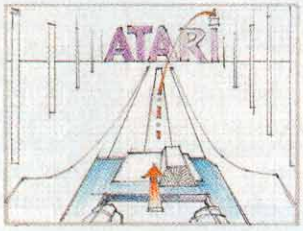
To make your animations unique and interesting, the system had to be **totally flexible.** So we developed a new "programming language" that allows you to:

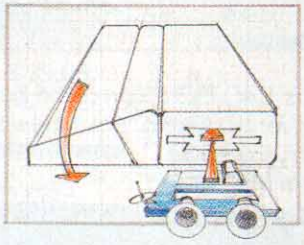
- Play sound effects or music (created with the G.I.S.T.™ sound editor, on page 10)
- Change frame rates and looping sequences
- Change the color palette
- Load and run animations as "batch" files
- Splice in animations from multiple sources
- Call other macros

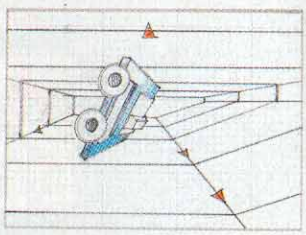
Using the tools, you can create digital "home movies," corporate logo animations, and much more. And the FUTURE DESIGN DISK is all you need to get started creating the next outer-space epic. What are you waiting for?

THE CYBER STUDIO
STEREO CAD-3D 2.0 *plus* CYBERMATE Available in February
2-disk set (requires 1 megabyte RAM)
ST0236 $89.95 DEGAS Elite™ Batteries Included









CYBERSCAPE©

A 3-D "feature film" on disk by Darrel Anderson

Skim the fantastic, 3-dimensional terrain of the mind! Metamorphosing metallatons and transforming tubular time slots! This full-color, animated feature was created by **professional artist** Darrel Anderson, to show what can be done with CYBERMATE—The CAD-3D Animator. An incredible **tour de force** of computer graphic power, this demo is a guaranteed auto-lobotomy of the very first order!

CYBERSCAPE DS
(1 double-sided disk)
SB0104 $10.00
CYBERSCAPE SS
(2 single-sided disks)
SB0105 $12.00
(Both versions require 1 megabyte RAM)
Available in February

"A remarkably powerful modeling system."
— Computer Graphics World

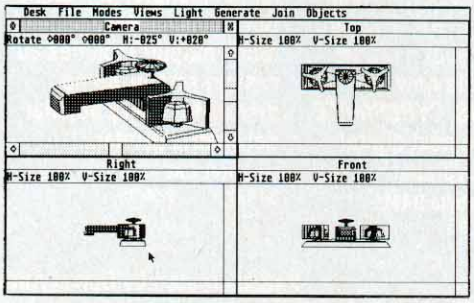
The Original...

Tom Hudson's CAD-3D™ 1.0

520ST-compatible

If you own a 520ST and are interested in computer graphics, many of the features of CAD-3D 2.0 are included in this original version—you even get a basic animation system.

CAD-3D 1.0 **(requires 512K RAM)**
ST0214 $49.95



Introducing, for the first time, true 3-dimensional stereo realism on a home PC.

STEREOTEK 3D GLASSES

NEW!

STEREO TEK™ Three Dimensional Glasses

© Michel Tcherevkoff TIB West

Last July, we got a phone call from Tektronix, the big high-end computer-graphics display company. They told us one of their ventures, LC Technologies, had designed a low-cost version of their $3,000 electronic stereo liquid crystal shutter (LCS) goggles—usually sold to the military and large universities. They were looking for a company to distribute them for the Atari ST. "Why us?" we asked. "Because the best software to make them work is CAD-3D."

From that conversation was born the most innovative computer graphics peripheral since the video display tube.

STEREO SOFTWARE AVAILABLE NOW

STEREO CAD-3D 2.0 and STEREO MAPS & LEGENDS 3.0 already work with STEREOTEK. And over a dozen **new** software titles are being readied for market right now. We have also included all the stereo C and assembler source code routines so you programmers can **write your own stereo software.**

Add the CYBERMATE animation system, and your CAD-3D movies become the ultimate in hi-tech computer graphics. Fleets of starships stream out of your monitor. Weird objects spin and fly through a thrilling new universe. Vivid MAPS & LEGENDS globes float in your lap—in amazing stereo 3-D.

Here's what you get with your STEREOTEK 3D GLASSES package.

- one pair of electronic LCS glasses w/4-foot cable (designed to also be worn over eyeglasses)
- ST cartridge interface unit—supports two sets of glasses at once (2nd set optional)
- stereo CAD-3D animation and slide show by Tom Hudson
- For programmers: developers instructions by Mark Kimball with source code on disk—teaches you how to add stereo to your own programs

STEREOTEK 3D PACKAGE TH9020 $149.95
ADD-ON GLASSES ONLY TH9021 $99.95

COMPLETE STEREO PACKAGE—SAVE $30!
STEREOTEK 3D STEREO DISPLAY with STEREO CAD-3D 2.0 and CYBERMATE
TH9038 $199.95
offer available by direct mail only

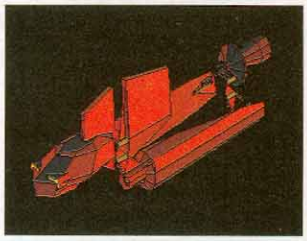
FUTURE DESIGN DISK

NEW!

by Darrel Anderson

CAUTION! Don't enter the CAD-3D Universe unprepared. Get a fast start on your three-dimensional explorations with the CAD-3D FUTURE DESIGN DISK. This modular construction set of dimensional clip-art has **everything you need** to create SPACECRAFT, STATIONS, BASES, VEHICLES, ROBOTS and ANDROIDS.

Model your future; then populate it with androids and CAD-People; bring it to life with CYBERMATE; detail it



with any popular paint program. Includes:

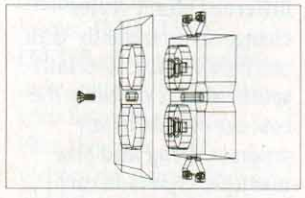
- Complete models
- Component parts
- Construction tips
- "Blueprints"

(requires CAD-3D)
FUTURE DESIGN DISK
ST0232 $24.95

PLOTTER AND PRINTER DRIVERS

Plot your 3D drawings on a high-resolution pen plotter for a truly professional look! Supports Hewlett-Packard (and HP compatible) plotters. Multi-plots on a single page-best fit system.

(requires CAD-3D)
PLOTTER DRIVERS
ST0225 $24.95



Also, dot matrix printers supported: GEMINI/STAR, EPSON, OKIDATA, IBM, COLOR (Radio Shack, Epson, Canon), NEC, PANASONIC, C-ITOH, and more.

$5,000 CONTEST

Antic and LC Technologies are co-sponsoring a competition to search for the MOST INNOVATIVE STEREO APPLICATION PROGRAM. We're going to pay $5,000 in cash (advance against royalties) for the winner, plus a continuing royalty upon publication here in The Catalog.

For an official entry blank and competition details, write to: STEREO COMPETITION; The Catalog, 524 Second St., San Francisco, CA 94107, or call (415) 957-0886.

3D-FONT PACKAGE

by Tom Hudson

Design your own 3D greeting cards, signs, logos, and letterheads with CAD-3D. Or create sophisticated 3D animated title sequences for your home videos.

At the heart of this **packed** disk is Tom Hudson's new SUPER EXTRUDER TOOL. With it, you can create new kinds of complex, **multicolored 3D objects** that can't be built with CAD-3D alone. Plus, it doubles as a 3D FONT EDITOR, and Tom has built **two incredible fonts** just for you (serif and sans-serif, upper and lower case—over 250K of fonts!).

BONUS! Tom's included new 3D object primitives (building blocks) and his own hints on how to get the most out of CAD-3D.

(requires CAD-3D)
3D-FONT PACKAGE
ST0224 $24.95

NEW!

A-CALC PRIME™ by Kuma

Supercharged
by Kuma Computers, Ltd. UK

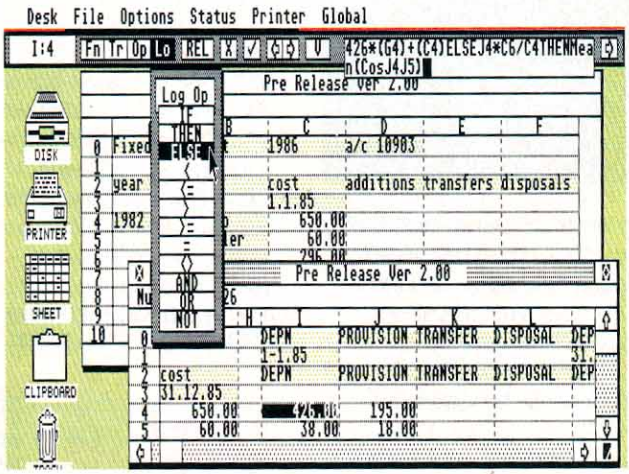
"This is the easiest to use spreadsheet that I've ever see

—W. Krieger
Computer Shopper Magazi

The first GEM-based spreadsheet for the ST just became the **best spreadsheet value on any microcomputer.** PRIME will give you the confidence to tackle **any** financial challenge. This is a next-generation spreadsheet with the power to run a large business—so intuitive **you already know how to use it.**

Features of the original A-CALC 1.0 made it the easiest-to-use spreadsheet ever:

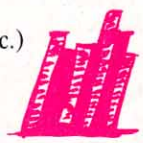
- Up to five windows open at once
- WIDE-VIEW option to see 50 percent more of your worksheet at once
- SEARCH for character strings
- Powerful PRINTER FORMATTING commands
- .DIF file compatibility
- Exclusive A-CHART compatibility
- Sparse-matrix design maximizes available RAM



- Color/pattern coding of formula, text, value, etc.
- SORT and FIND
- Trig functions
- **Sideways** printing (for Epson compatibles)
- High-speed SMOOTH screen updating
- Complete printer control from **within** the spreadsheet
- Password-protected cells (hide and unhide)
- Additional ease-of-use features:
  - **Off-screen** scrolling with the mouse
  - **Out-of-the-way,** convenient edit window
  - Cell and range reference by **pointing with the mouse** (even reference cells in **inactive** windows!)
  - **Ten** clipboards
- Illustrated manual and on-disk examples

And now, PRIME transforms you into a **numbers wizard** with dozens of special features:

- Row and column lock
- Conditional expressions (IF, THEN, ELSE, etc.)
- MACROS
- Labels
- 8192 rows × 256 columns



In short, PRIME gives you premium spreadsheet power for the rock-bottom price of $79.95. And, for A-CALC 1.0 owners, the upgrade is only $20.00 (plus $5.00 shipping. Enclose your original ver. 1 disk).

A-CALC PRIME
ST0235 $79.95
Available February

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*Make your next presentation the one they **remember.***

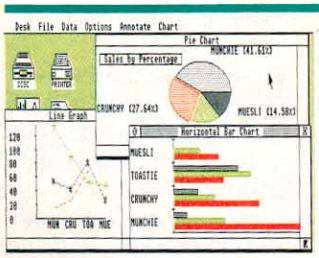
NEW!

A-CHART™ by Kuma

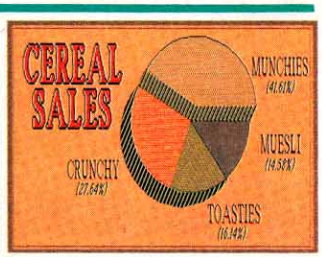
by Kuma Computers, Ltd.

When was the last time you were excited about your spreadsheet? Do numbers bore you? We can change all that. A-CHART is one program that makes working with figures **fun and intuitive.**

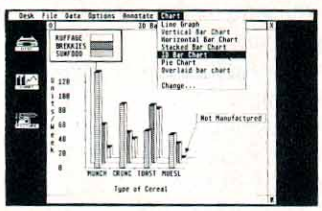
A-CHART automatically turns your A-CALC (or A-CALC PRIME) spreadsheets into beautiful graphs that are DEGAS-compatible. And if you don't have a spreadsheet, A-CHART's **built-in** editor will help you organize those numbers into a super-sharp presentation.



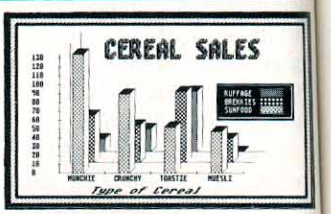
A-CHART



DEGAS ENHANCED



A-CHART



DEGAS ENHANCED

View your data in **eight different chart styles**—change styles instantly with one mouse-click. A-CHART sports what is probably the best use of GEM in any program. **Drag and size multiple charts** in each window, **define your own fill patterns and line styles.** The flexibility of the graphic presentation of your numbers will give you **an entirely new perspective on your business or home budget.** And A-CHART grows as you do, with the capability of storing up to 50,000 datapoints in a 512K machine and 150,000 datapoints in a 1 meg machine.

A-CHART
ST0230 $39.95
Available February

Epson-compatible from A-CHART. Multi-printer compatible from DEGAS.

THE WORLD ON A DISK. MAPS FOR EVERYBODY!

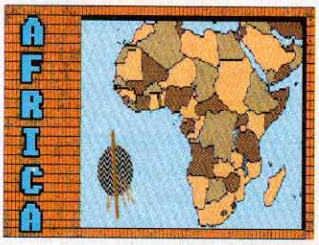
MAPS AND LEGENDS™— The Cartographer

Enhanced Version 3.0 STEREO
by Harry Koons and David Chenette

Hold on a second. Now that you've word-processed, spreadsheeted, databased and telecommunicated with your Atari ST, aren't you looking for **something different?**

How about Cartography? Until now, mapmaking has been a unique art mastered by only a few talented people. Not anymore. With MAPS AND LEGENDS, your Atari ST becomes a personal desktop cartography system.

Show your children exactly what the world looks like—with or without political boundaries. And in STEREO, the world globes appear



to be floating **in front** of your monitor. Or print an impressive custom map to go with your travel itinerary. We use MAPS AND LEGENDS all the time at the office for sales and marketing maps. And since it's based on the GEM interface, it's GEM-easy to use!

MAPS AND LEGENDS 3.0
ST0202 $34.95
(upgrade is $15)

LET'S-GET-TECHNICAL BOX

Packed with features, including: STEREO COMPATIBILITY, BUILT-IN 9000-COORDINATE DATABASE, 11 DIFFERENT MAP PERSPECTIVES, PLOTTING FROM ANY ALTITUDE, WORKS IN ALL 3 SCREEN MODES, BUILT-IN PAINT SYSTEM (and compatible with DEGAS and NEO), MULTI-FONT LABELLER, CUSTOM OVERLAY PLOTTER (create your own maps—build your own map databases), AUTO-LOCATE MODE (reads coordinates, distance and bearing from maps) and so many more that we don't have room to list them all.

DATAMAP COLLECTION I
Expand Your Maps and Legends Database!

NATIONAL POLITICAL BOUNDARIES
Europe, Latin America, S. America, Asia, Africa

PROVINCIAL BOUNDARIES
Australia, Canada, China, U.S.S.R.

(requires Maps and Legends 2.0 or greater)
DATAMAPS
ST0227 $24.95

PLUS HISTORICAL MAPS AND MORE!

800-443-0100, ext. 133
(Continental U.S. and Hawaii) Visa/MC Only
ORDER TOLL FREE

ARTIFICIAL INTELLIGENCE
Teach your ST, then let it teach you!

EXPERT OPINION™

by Mind Soft

Curious about expert systems and artificial intelligence? Discouraged because most expert systems tools are either for the IBM PC or Macintosh? And usually cost over $700?

Transform your ST into an expert on any subject. EXPERT OPINION creates production-rule knowledge bases with more power than the average university system. And you don't need to know a programming language like Prolog or LISP—EXPERT OPINION is totally GEM-based... so you already know how it works.

Create your own expert systems for classification of Horticulture, Animal Husbandry, Gemology, Medical diagnosis, Economics—any subject you want. Be a part of the first wave of knowledge engineers!

EXPERT OPINION's "Inference Engine" solves problems three ways: **DEDUCTION** (forward chaining); **VERIFICATION OF A HYPOTHESIS** (backward chaining); or a unique combination of both modes. **CERTAINTY LEVELS** allow you to fine-tune your knowledge base with heuristic control. Plus, the clear, well-written documentation includes a tutorial by Harvard expert and START contributing editor Christopher Chabris.

FREE BONUS! To get you started, we've included a disk packed with knowledge bases about a typical application ... Gemology. The six linked knowledge bases will guide you through the classification of over eighty kinds of rocks and minerals.

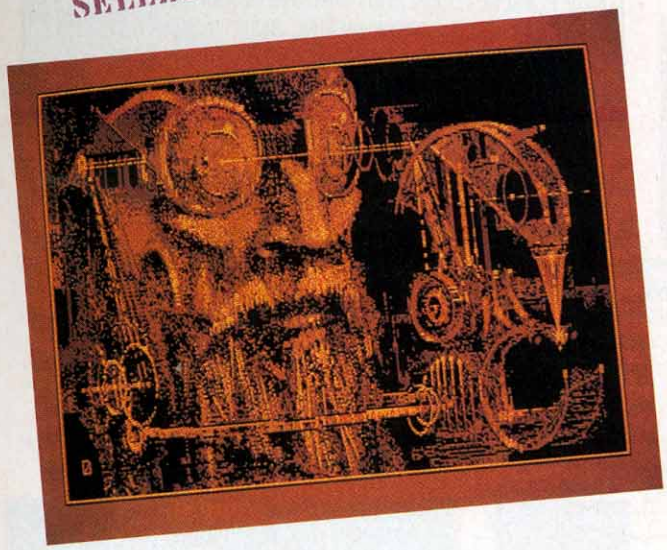
Perfect for studying how an expert system is built.

EXPERT OPINION
(2-disk set)
ST0219 $99.95

WARNING: This is a sophisticated computer science tool requiring study to use it effectively.

BEST SELLER!

POWERFUL SOFTWARE FROM BATTERIES INCLUDED



ANYTHING THIS MUCH FUN IS USUALLY ILLEGAL.

NEW!

D.E.G.A.S. ELITE™

by Tom Hudson

The best-selling graphics software on the Atari ST just got **ten times better!** D.E.G.A.S. ELITE has all the power of the original, **plus:**

1) Multi-color fill patterns
2) Special effects like scaling, perspective distort, rotating, outlining, and color animation
3) Multiple screens in RAM at once (up to 8)—cut and paste between them
4) Color search and replace
5) Multiple GDOS or DEGAS fonts in any style available at any time
6) Polygon block grabber for lifting any section out of place
7) Stipling and smearing for real paintbrush effects
8) Load or save any resolution picture in any other resolution
9) Built-in icon editor for programmers
10) Color palette blending for smooth shading effects

DEGAS ELITE
TH9036 $79.95

SAVE! GET THE COMPLETE PICTURE!

"Between them, CAD-3D and DEGAS make the Atari worth owning."
—Jerry Pournelle
Byte Magazine

DEGAS ELITE & STEREO CAD-3D 2.0
TH9039 $149.95

INTEGRATED FINANCIAL SOFTWARE FROM BATTERIES INCLUDED

THE ISGUR PORTFOLIO™

THE ISGUR PORTFOLIO is three programs in one: Portfolio manager, telecommunications, and calendar/memo pad. Receive Dow Jones stock quotes, CompuServe, The Source, and InfoGlobe financial information, automatically. Consolidate multiple stock portfolios. Hands on management of stocks, bonds, options, commodities, mutual funds—your key to financial success.

THE ISGUR PORTFOLIO is PC magazine's "EDITOR's Choice." The integrated GEM-based system provides intuitive access to your data and unlimited versatility. A complete financial management package for the professional and individual investor.

A real value for your investment. Plus, **THE ISGUR PORTFOLIO** includes **I•S TALK.** Invest in your future . . . today.

TH9009 $199.95

BEST SELLER!

A SPELLING CHECKER THAT IS LIGHTNING FAST!

THUNDER™

THUNDER gives you a powerful spelling checker accessible from within your favorite application program. Your accuracy will skyrocket, so the time spent proofing will plummet.

It's so simple. Here's how it works. Example: you're happily writing away and you make a "mstake" and BEEP (**THUNDER** picks up the error with lightning-fast speed). Now **THUNDER** will display a list of similarly spelled words (stake, mistake, etc.).

Compatible with Paperclip Elite, Homepak, BTS, other Batteries Included products, 1st Word, GST-Edit, DB Master One, as well as FLASH, A-CALC and many more GEM software titles.

TH9011 $39.95

TAKE A SECOND FOR TIME MANAGEMENT

TIMELINK™

TIMELINK is a great GEM-based scheduling and time-keeping tool for home and business. Your day, week, month and year appointments are only a mouse-click away. Useful for messages, reminders and much more. There are many incredible uses for this handy elegant, time-saving tool.

TH9010 $49.95

800-443-0100, ext. 133

(Continental U.S. and Hawaii) Visa/MC Only

ORDER TOLL FREE

"FLASH is my #1 choice on the Atari ST."

—Ron Luks, Founder of CompuServe's SIG*Atari and Atari Developers Forum.

FREE! Try FLASH now and get $15.00 of CompuServe access time, FREE.

Order now and you'll receive a CompuServe Intro-Pak; your free introductory subscription to the CompuServe Information Service with a 46-page CompuServe mini-manual. Plus $15.00 worth of CompuServe access time, free.

This offer is valid for everybody, including current CompuServe subscribers.

THE MOST POPULAR TERMINAL PROGRAM FOR THE ATARI ST.

FLASH™

Version 1.11
by Joe Chiazzese and Alan Page

If you own a modem, you should be using FLASH. Why? Because FLASH is the best. It will simplify your online time and make telecommunicating more enjoyable and less expensive.

TOTALLY PROGRAMMABLE PLUS BUILT-IN WORD PROCESSING

Imagine turning on your ST and, with **one click** from the GEM Desktop, beginning an online session on your favorite BBS. Watch FLASH dial the number, log on, and **automatically** browse through the most recent messages or files. Then, edit some email in the **built-in message editor,** and upload it right from the capture buffer. Instantly! It's your personal telecom droid. So programmable that you have **total control,** and so GEM-intuitive that you feel right at home the first day you use it. No wonder FLASH is the most popular Atari terminal program of all time.

BEST SELLER!

TERMINAL EMULATION PLUS BULLETPROOF FILE TRANSFERS

Of course, FLASH has a barrel full of terminal-emulation features, such as DEC VT100/VT52 and CompuServe Vidtex graphics, so you can use it with **every** mini or mainframe editor. And talk about bulletproof file transfers! It's got the most **reliable** Xmodem around—never lose a file during transmission again!

PACKED WITH FEATURES!

Here are just a few of the most useful features. Shop around and see if any other terminal program can even come close!

- Built-in GEM word processor with cut & paste
- Programmable "script" language (70 commands)
- Mainframe terminal emulation
- Xmodem (CRC), ASCII and DC2/DC4 file transfers
- Totally configurable to **your** needs!
- Free online time and membership

Ask your local telecom guru's opinion. FLASH is the winner... **hands down!**

FLASH
ST0220 $39.95

"FLASH is to the Atari ST what Lotus 1-2-3 is to the IBM PC."
—Ken Wolburn
Microtimes Magazine

*DOUBLE THE POWER OF YOUR **FLASH!** TRANSFORM IT INTO A BBS! ADD KERMIT!*

REMOTE CONTROL ACCESSORY & KERMIT PROTOCOL™

by Joe Chiazzese and Alan Page

One mouse-click tranforms FLASH into a password-protected BBS. You can send and receive files while you're in another room or even away from home!

Plus, you can now use the powerful KERMIT protocol with FLASH. **With KERMIT, you can transfer up to 128 different files without touching your keyboard!** More powerful than the version shipped with the Atari Developer's Kit—total automation for less than $25!

Works with any Hayes-compatible modem.

(Remote/Kermit requires FLASH™)
ST0226 $24.95

ALL THE FLASH COMMANDS ON ONE POP-UP CARD!

FLASH-CARDS™

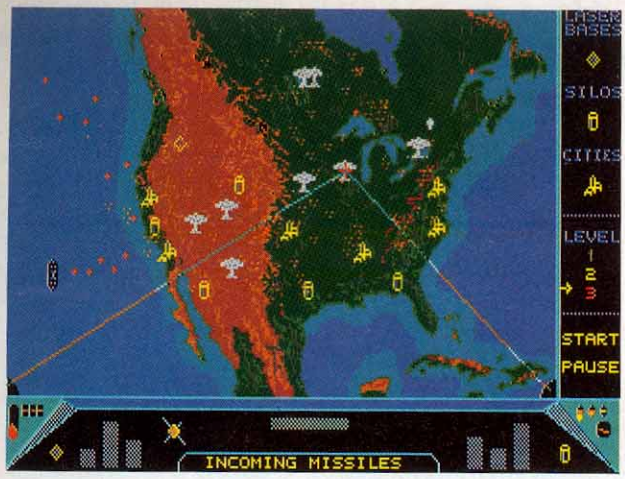
The Ideal Flash Add-on

Wouldn't it be great to have **every** FLASH command at your fingertips? This rigid command card lists all 110 of the commands, with their ALT-key equivalents. It slips right into your function key slot. **Plus,** it has room for you to write down three sets of twenty of your favorite function key macros.

Get the most out of FLASH.

Start using FLASH-CARDS today!

FLASH-CARDS
TH9025 $7.95



MISSILE COMMAND™ MEETS SDI—WITH A TWIST.

RED ALERT™

by Stanley Crane and Daniel Matejka

What if you could view a game of SUPER MISSILE COMMAND from space? You'd be playing RED ALERT! Your cities are under attack. Russian ICBM's and MIRV's are coming in—both over the pole and from subs. **You** make the decisions about where to locate your Antiballistic Missile Silos, Ground-based Lasers, and when to use your space-based Particle Beam Weapon. The twist is that you may also place your cities anywhere you want... from your hometown to Havana. Or use the European scenario and defend London, Paris and Rome from the Red Menace! **The perfect blend of strategy and arcade excitement.**

RED ALERT
ST0223 $24.95

MISSILE COMMAND™ Atari Corp.

GET ORGANIZED AND HAVE FUN WITH MICHTRON

Eliminate the desk battlefield and make organizing easy!

CORNERMAN™

What Sidekick did for the IBM, **CORNERMAN** does better for your Atari ST. This utility gives you a host of useful desk-top tools in one simple, neat package. With everything from a built-in clock, notepad, phone book and ASCII table, to a full-function calculator, a cluttered desk is a thing of the past. And as a desktop accessory, **CORNERMAN** is available nearly anywhere within GEM.

CORNERMAN doesn't interfere with other programs and comes complete with security. HIRE THE PERFECT SECRETARY TODAY—HIRE **CORNERMAN.**

(One megabyte RAM recommended.)
TH9013 $49.95

MichTron

NEW!

Now you're organized—so take a break and have some fun.

PINBALL FACTORY™

Design your own pinball machines! Full-featured editor includes graphics line, circle, ray, box, textured fill, and more. Use your mouse to drag bumpers, borders and bells into position. Adjust the gravity, elasticity and speed. Save your creations to disk and build a whole arcade of pinball wonders!

TH9026 $39.95

BEST SELLER!

TIME BANDIT

The arcade adventure takes you to the world of the biggest, fastest, most detailed game ever designed for a home computer. You're the bandit rogue travelling through time and space. The quest always beckons: recover the Great Artifacts and break the Gates of Time! Features: 16 unique arcade lands, 3,000 screens, realistic detail, three text adventures, unique dual-player mode. Uses 16 color monitor.

TH9014 $39.95

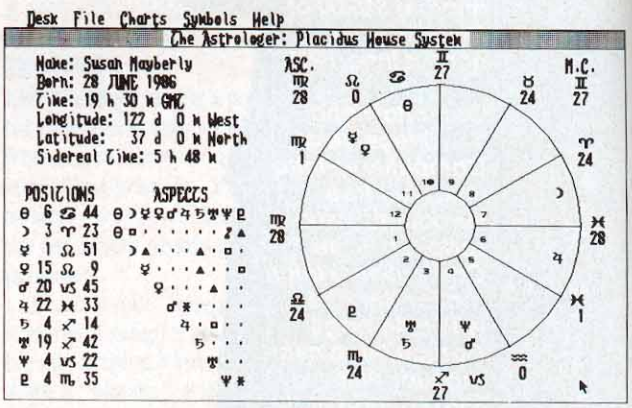
WHY TRUST GYPSIES?

STAR STRUCK™ —The Astrologer

by Harry Koons

Sure, you can cross that palm with silver, but can you **trust** the results? Your ST, on the other hand, won't leave you in the gutter with empty pockets. And it's accurate! This GEM-based celestial workhorse **instantly** creates charts using formulas for the 9 most popular historical house systems (Placidus, Morinus, Porphory, and 6 more). And if you don't know the coordinates of your birthplace, just **point and click** on the US or world maps! Of course, you can save charts in DEGAS format and create your own **astro-masterpieces.** STAR STRUCK works in color or monochrome and comes with loads of extra fonts. Now you've got something to talk about at the local singles bar.

STAR STRUCK
ST0222 $24.95



AT LAST! subLOGIC'S FLIGHT SIMULATOR FOR THE ST

FLIGHT SIMULATOR II™

NEW!

Buzz the World Trade Center—fly under the Golden Gate

You're going to love this one! We knew it was hot software the moment the prerelease copy hit the office. Whenever subLOGIC's **FLIGHT SIMULATOR II** was started up, a crowd of otherwise jaded programmers crowded around the computer station to watch. We finally had to take it away from them—nothing was getting done. **This is it.** The Atari ST version of the phenomenally successful FLIGHT SIMULATOR II. And it's really something.

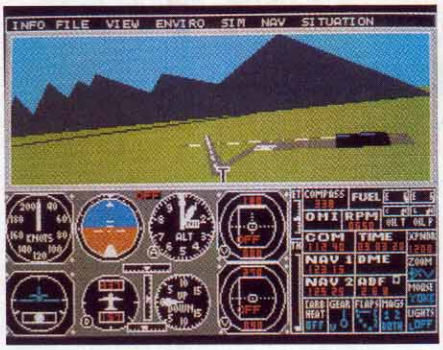
Fly a Cessna prop plane, soar in a Lear jet, or dogfight with other planes in a World War I scenario. **Completely mouse controlled!** Multiple windows for multiple viewpoints: cockpit, spotter plane, tower, zoom-map—set up as many as you like, drag them, size them and put them where you want. Special custom-graphics routines permit multi-tasking windows. Explore accurate, solid, three-dimensional geographical scenarios which sweep by at update rates as high as 10 frames-per-second. Supplied scenarios include San Francisco, New York to Boston, Chicago to Champaign, Los Angeles, and Seattle.

RIVALS PROFESSIONAL TRAINING UNITS!

Two experienced pilots on our staff took FLIGHT SIMULATOR II up for a spin and pronounced it a complete success—detailed, accurate, in many ways far better than professional flight simulators. You can preset your position and altitude and adjust your seasonal and weather conditions—including wind direction and multiple cloud layers. Nine directional views are available from the cockpit **plus** a zoom and a pan. "Instant Replay" feature lets you redo your most successful moments—which you can then watch from any vantage point!

TWO-PLAYER MODEM FLIGHT!

Spectacular two-player mode lets you **fly with a friend over modem.** Choose a distinctive color for your plane and you're all set to stage your own aerobatic shows. Signal each other through the special text-message mode—or simply dip your wings. Our two in-house pilots hooked up a null-modem cable



and chased each other all over the San Francisco Bay Area, circling the Trans America Pyramid and buzzing Alcatraz. If you know someone with an Amiga version, you can take your rivalry to the skies!

FLIGHT SIMULATOR II
TH9027 $49.95

subLOGIC

BEST SELLER!

SILENT SERVICE™

Exciting World War II Submarine Action in the South Pacific!
by MicroProse

0400 hours, Tuesday, August 12, 1942 . . . BATTLE STATIONS!! BATTLE STATIONS!! Enemy convoy identified on radar!!

SILENT SERVICE, The Submarine Simulation, brings exciting action, great strategy, detailed graphics and an ultra-realistic simulation of World War II U.S. submarine action in the South Pacific.

SILENT SERVICE's outstanding features include: all the critical battle stations, engine room, conning tower and ship's bridge; challenging and realistic combat versus single ships and heavily escorted convoys; and an infinite variety of situations using complete maps and charts for the entire Southwest Pacific and a sophisticated and realistic attack plotting system.

SILENT SERVICE provides a wide selection of historic scenarios. From hit-and-run attacks to patrol missions that bring challenge and fun to both the first time player and the experienced submarine veteran.

As captain, you select a quiet patrol sector in the Marianas Islands, or choose the dangerous waters off the coast of Japan. Is the submerged daylight periscope attack best, or do you charge in on the surface at night using only radar bearings as your guide? These and many more decisions will determine your place among the elite ranks of the **SILENT SERVICE.**

TH9016 $39.95

MICROPROSE

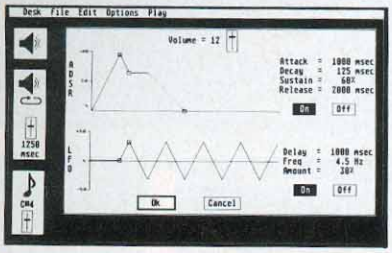
*CREATE NEAR-SYNTHESIZER-QUALITY SOUND EFFECTS WITH OUR **SOUND LABORATORY.***

NEW!

G.I. Sound Tool G.I.S.T.™

by Lee Actor & Gary Levenberg for Synthetic Software

If **sound** has always fascinated you . . . or if you're a programmer or developer . . . take a look at G.I.S.T., the sound editor. G.I.S.T. was created to establish a standard of sound generation on the Atari ST that far surpasses the abilities of the built-in sound chip.



G.I.S.T. is really two programs:

1) GEM-based editor
2) Sound Driver

As you can see from the screen display, the G.I.S.T. editor gives you real-time mouse control over any sound shape. The key to G.I.S.T.'s power is dynamic control of the GI chip. Each voice has three ADSR (envelope) controls and three LFO's (low frequency oscillators). You'll be creating sounds like a professional engineer—Near Synthesizer Quality (NSQ) sound.

For programmers, the Sound Driver is linkable object code that can be used in your own software. Adding superior sound effects to **any** program . . . It's interrupt-driven, so it won't impact the speed of your software. In fact, it's already built into CYBERMATE for CAD-3D—just one of many useful applications.

LET'S-GET-TECHNICAL BOX

- Volume ADSR to shape attack, decay, sustain, release
- Volume LFO for Tremolo effects and AM (Amplitude Modulation)
- Frequency ADSR—frequency shifts up to ± 3 octaves!
- Frequency LFO for Vibrato effects and FM (Frequency Modulation)
- LFO delay lets you add effects at any point in the sound
- Cut and Paste to copy part of one sound to another
- MIDI-compatible! Use your keyboard to play the GI chip
- Three sound windows may be open at once

G.I.S.T. is also compatible with CYBERMATE. **Add sound effects to your CAD-3D animations!**

Source-compatible with Alcyon C, Megamax C, and Lattice C.
G.I.S.T.
ST0233 $34.95
Available February

MORE POWER FOR PROGRAM DESIGNERS!

C.O.L.R. OBJECT EDITOR™

by The Rugby Circle

What is it? Originally designed to create the beautiful birds in ST Joust, C.O.L.R. OBJECT EDITOR is the original tool for making software sprites and bit-mapped game objects. Perfect for converting any piece of a low-res screen to a file linkable to your own C or assembly-language program.

Use the powerful block-manipulation commands to create perfect images for your own programs. For example, design separate 360-degree views of a spaceship with CAD-3D, then cut each view out and link them together for your own space game. CAD-3D and C.O.L.R. OBJECT EDITOR are the **perfect** graphics team for every action programmer.

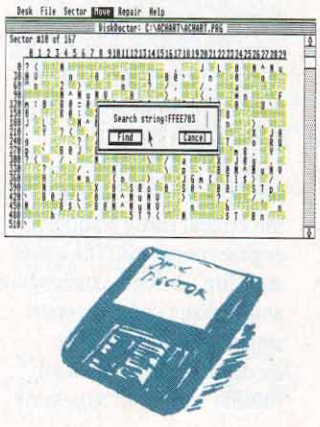
C.O.L.R.
ST0201 was $29.95—on-sale only $19.95
Joust™ Atari Corp.

FLOPPY DISKS AREN'T PERFECT. THAT'S WHY YOU NEED DISK DOCTOR.

DISK DOCTOR™

by Dan Matejka

The best time to get a good disk editor is **before** your un-backed-up disk is zapped by a power surge—or you mistakenly send your tax-return to the **trash can** instead of the backup disk in drive B.



DISK DOCTOR will make recovery of your lost data as painless as possible. You can even use its built-in GEM disk editor to personalize your own software's menus and error messages. DISK DOCTOR is the perfect file repair utility for casual users, plus it's one of a programmer's most valuable tools.

DISK DOCTOR
ST0211 $29.95

800-443-0100, ext. 133
(Continental U.S. and Hawaii)
Visa/MC Only

ORDER TOLL FREE
24 hours-a-day

CRYSTAL™

(It makes GEM shine...)
by Jim Thompson

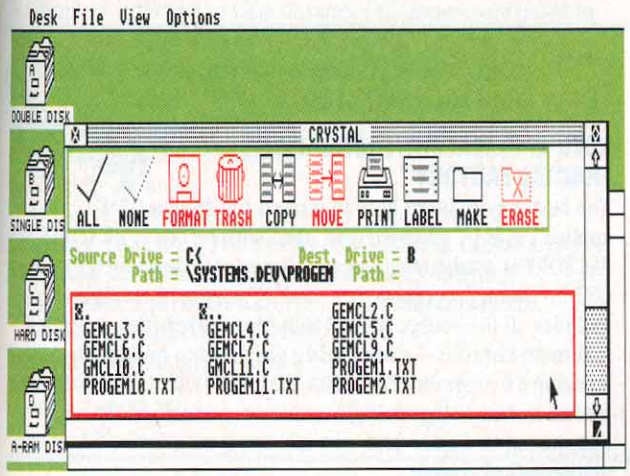
These are the DOS Icons Digital Research forgot when they wrote GEM. It's too bad Atari didn't put **CRYSTAL** into the TOS ROM's, because for about 30K of code, **CRYSTAL** gives TOS the most powerful features of MS-DOS. Plus, you never lose the look and feel of GEM. And since **CRYSTAL** is a desk accessory, it's always available.

In fact, these eight icons will eliminate all the frustration you feel from not having powerful DOS functions available from within your favorite GEM program (or the desktop)...

Of course, **CRYSTAL** is compatible with all monitors, all disk drives, and all printers.

Make your personal version of GEM shine—for $24.95.

CRYSTAL
ST0229 $24.95



*ADD A WORLD OF **DOS ICONS** TO ALL OF YOUR GEM PROGRAMS.*

- **RENAME files singly or batch**
- **CREATE and DELETE folders**
- **MOVE files in and out of subdirectories or to other disks**
- **TEXT FILE FORMAT and PRINT using headers, footers, and page numbers**
- **COPY files**
- **DISK LABELS printed automatically**
- **FORMAT disks**
- **DELETE files**

NEW!

TURN YOUR ST INTO TWO COMPUTERS!

K-SWITCH™

by Kuma Computers, Ltd.

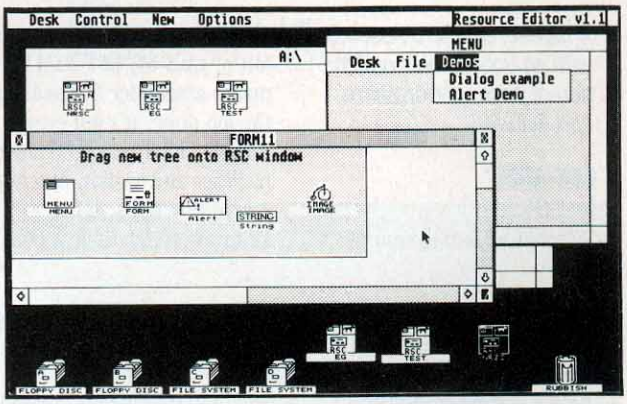
Picture this: You're in the middle of hyperwarp to an endangered sector of the Star Raiders™ galaxy when you hear the approaching footsteps of your boss. No problem. You press three keys and your ST **instantly** switches to 1ST WORD™ where you continue working on a letter to the Accounting Director. The boss's steps recede in the corridor...press three keys and—WHAMO! Right back in the middle of hyperwarp.

If you have a megabyte of RAM in your ST you can now **load two programs at the same time.** K-SWITCH splits your ST into two isolated 400K blocks, with a shared RAMdisk. You can toggle between two programs instantly—at any time. The inactive program will be frozen in progress, ready to continue right where you left off.

Now you can use your favorite word processor and database **together.** And for the ultimate in financial software, mate A-CALC PRIME and A-CHART, transferring data instantly with the RAMdisk. Even run low res. programs in one half, and medium res. in the other—it's a marvel to see it switch.

If you own a megabyte ST, K-SWITCH will transform the way you use it. Today.

(1 megabyte RAM required)
K-SWITCH
TH9023 $29.95



Construct GEM resources without spending $300 for the Atari Developers Kit.

NEW!

K-RESOURCE™

by Kuma

Do you program in any of these languages? ▪ C, ▪ Pascal, ▪ Modula 2, ▪ Fortran, ▪ Lisp.

Now you can write professional GEM programs with custom icons and dialog boxes—without spending an arm and a leg. K-RESOURCE makes creating menus, icons, and screen dialogs easy. More powerful than the original DRI Resource Construction Set, K-RESOURCE is also compatible with all other .RSC files.

K-RESOURCE
TH9024 $49.95

NOTE: Take a look at the ATARI ST GEM PROGRAMMERS REFERENCE from Abacus on page ST-15. It's the perfect companion to K-RESOURCE.

Here is the compiler that 1ST WORD™ was written in.

GSTC COMPILER™
by GST, Ltd.

If you've recently begun programming in C, this is the compiler you're looking for. Its GEM Superstructure Library™ will make your very first program run with GEM windows—**automatically.** Write GEM applications without the complex learning curve associated with GEM AES and VDI. **Plus,** you don't have to remember any arcane commands. The compiler and editor use GEM **everywhere**—it couldn't be easier!

The package includes a special programmers version of the GEM-intuitive 1ST WORD™ editor, Linker, C Compiler, 68K Assembler, GEM bindings (including XBIOS) and a comprehensive user manual.

GSTC
TH9018 $79.95
1ST WORD™ Atari Corp.

LEARN GRAPHICS PROGRAMMING WITH GSTC!

NEW!

GSTC APPLICATION/FOUNDATION I FRACTAL FACTORY™

The best way to learn how to write a full-blown GEM application is by example. You need **source code.** FRACTAL FACTORY is a unique and beautiful program developed by the GST in-house programmers—and it's a **great tutorial.** It includes all the source code, batch files, linker files, graphics and math libraries—**everything** you need to build your own amazing ST program. **Plus,** FRACTAL FACTORY is the ultimate fractal-maker, using multiple windows, variable zoom, and contouring to display and save infinite generations of dazzling mathematical graphics.

(Does not require GSTC.)
FRACTAL FACTORY
ST0228 $19.95

A high-level Macro Assembler with an unbeatable combination of price, performance, and features.

GST-ASM™
by GST, Ltd.

When you want to squeeze that last drop of performance out of your ST, GST-ASM is the macro assembler that will get the job done. It's got everything... high-powered macro facilities and toolkit, extended macro functions, 100% Motorola compatibility, plus the built-in exclusive GEM editor and GEM "shell" operating environment. In fact, it's probably the most elegant and sophisticated assembler available for **any** microcomputer. Naturally, it also creates cross-reference listings, symbol tables, supports include files, generates relocatable code, and produces object files compatible with every high-level language.

GST-ASM
TH9017 $59.95

Be the fastest assembly-language programmer around—for under $35!

A-SEKA™ by Kuma Version 1.6
by Andelos Systems/Kuma, UK

68K Assembler, Editor, Debugger, Disassembler

Sometimes you just need to tweak that code for speed. Or maybe you want to prototype an idea... fast. SEKA does it fast, because it's all in RAM. All of it. Source code assembles at over 30,000 lines per minute! Plus it assembles and links simultaneously, so you can **run your code instantly.** Naturally, this macro assembler has a full-screen editor and uses standard Motorola mnemonics. But what really sets it apart is its powerful machine language monitor, **disassembler and symbolic debugger.** SEKA will pay for itself in the time you save on your very first project.

A-SEKA
ST0216 $34.95

A-RAM™ by Kuma
by Roddy Pratt, UK

Can your RAMdisk partition **any size** disk emulator you want?

- A-RAM can.

Can your RAMdisk **accelerate** your **floppy** write speed?

- A-RAM can.

A RAMdisk is an area of memory set aside as a buffer that responds like a disk drive—only **much faster.** Everybody needs a great RAMdisk, and A-RAM is powerful, simple, and flexible enough for every application.

BONUS! Order now and we'll send you the **best** print spooler you've ever seen. Never wait for your printer again!

A-RAM & SPOOLER
ST0215 $19.95

METACOMCO...The standard for the 68000.

LATTICE C™

Here it is. The industry-standard C compiler for the IBM PC and Amiga is available now for your ST.

- Full Kernighan & Ritchie implementation
- Macros
- Complete interface to GEM libraries (all libraries included in object **and source** form)
- Compatible with linkers for Alcyon (DRI) and GSTC
- Includes MENU+ GEM shell operating environment
- Full floating-point arithmetic
- No runtime licenses required
- 270-page manual

If you're writing serious software, you need a lot of flexibility. LATTICE C has it: **PRE-PROCESSOR COMMANDS, STORAGE CLASSES, TYPE DECLARATORS, OBJECT MODIFIERS, INITIALIZERS,** and **STATEMENT TYPES.**

INCLUDES: **EDITOR, LINKER, MENU+.**

Compatible with G.I.S.T. (page 10)
LATTICE C
TH9007 $149.95

MCC MACRO ASSEMBLER

by Metacomco

The MCC MACRO ASSEMBLER is the companion assembler for Lattice C and MCC Pascal. This full-specification assembler was specifically designed to complement those languages. Features include: linker, editor, GEM libraries, macros, MENU+ and 100-page manual.

MACRO ASSEMBLER
TH9005 $79.95

Technical questions? Talk with a Metacomco System Software Engineer: Call (408) 438-7201.

MCC PASCAL™

ISO PASCAL COMPILER

A fast and powerful implementation of ISO PASCAL conforming fully to the exacting ISO 7185 standard. MCC PASCAL is the ideal Pascal for new or experienced users. Features include:

- Fast, single-pass compilation
- Compatible with ISO Pascal running on other macros
- 32-bit integer math plus 32-bit floating point
- Comprehensive error-handling
- Includes MENU+ GEM shell operating environment
- 215-page manual

INCLUDES: **EDITOR, LINKER, MENU+.**

ISO PASCAL
TH9006 $99.95

NEW!

MAINFRAME ARTIFICIAL INTELLIGENCE ON AN ST? ABSOLUTELY!

CAMBRIDGE LISP™ 68000

LISP, the symbolic language of **artificial intelligence applications,** is now available on the Atari ST. LISP (LISt Processing) is the language of choice in the fields of robotics, expert systems, and natural-language interfaces.

CAMBRIDGE LISP 68000 was **created in the same A.I. lab that developed the original LISP.** Its authors, Cambridge University Professors John Fitch and Dr. Arthur Norman, have custom-designed a powerhouse, mainframe language for your ST that **supports all GEM AES and VDI calls.**

Transform your Atari ST into a full A.I. workstation at the most outstanding price/performance yet achieved by a LISP system on any personal computer. And **CAMBRIDGE LISP 68000 is both an interpreter and a compiler.** Use the interpretive mode together with the trace package to quickly develop and debug programs. When all the diagnostics check out—compile it!

INCLUDES: **EDITOR, LINKER, MENU+.**

CAMBRIDGE LISP
TH9037 $199.95

"For an environment that's superb for development, I vote for Metacomco."
—Anita Sinclair,
Magnetic Scrolls, UK
(developers of THE PAWN)

800-443-0100, ext. 133
(Continental U.S. and Hawaii) Visa/MC Only
ORDER TOLL FREE

WANT TO SELL YOUR ST SOFTWARE?

HERE'S HOW:

We market a wider range of software than anyone in the ST marketplace. Whether you're a first-timer, veteran, or a major software firm, we have a place for you in The Catalog. We also distribute thru over 1,000 retailers. So, if you're looking for broad distribution and understanding support, send us your program and let us take a look. Worried about security? So are we. Just send us a description of your software and we'll arrange the necessary non-disclosure agreements.

THE CATALOG
Product Development Dept.
544 Second Street
San Francisco, CA 94107
(415) 957-0886

An Electronic Jewish Mother Created by a Former Playboy Cartoonist!
Written by Yakov Kirschen and Just For You, Inc.

MOM and ME™

Just think. Your own computerized Jewish mother—on-screen in an over-stuffed chair; knitting, cajoling, dispensing advice, and offering you encouragement —or making you feel guilty, of course. She'll speak to you by name and brag about you to your friends.

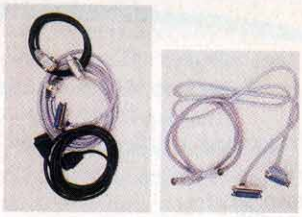
monochrome/color
ST0204 $19.95

MURRAY and ME™

Some people don't want a Jewish mother. How 'bout a Jewish uncle? The London Times called MURRAY "the first in a new generation of Biotoons"—computerized, interactive cartoon characters. MURRAY is always ready to cheer you up when you're feeling blue.

monochrome/color
ST0203 $19.95

HARD TO FIND CABLES ONLY $19.95



THE CATALOG has premium quality shielded cables with gold contacts.

What makes these cables so special? They have the unique non-standard Atari connectors and provide the length that can free-up your workstation of awkward peripheral arrangements.

520 ST
6' ST Micro floppy disk drive cable (SF354 and SF314 drives)
PH0003 $19.95
6' ST to printer cable
PH0001 $19.95
5' ST to modem cable
PH0002 $19.95

800/XL/XE
10' Atari standard peripheral cable (Serial/SIO connector)
PH0006 $19.95
5' 850 Interface to printer cable
PH0004 $19.95
5' 850 Interface to modem cable
PH0005 $19.95

ST ARCHIVES

START BACK ISSUES AND ANTIC COMPENDIUMS

GET YOUR ST LIBRARY OFF TO A GOOD **START!** Back issues of START, The ST Quarterly are now available. You can order either the magazine, or the START disk—or both. Be sure and get them all now while we still have them in stock. (Issue #1 is in very limited supply. If you want that one, don't linger.) Magazines are only $4.00 each, disks are $10.95 (shipping and handling included).

		MAGAZINE #	DISK #
START #1	SUMMER '86	SMS0686	SDS0686
START #2	FALL '86	SMS0986	SDS0986
START #3	WINTER '86	SMS1286	SDS1286

AND—**THE ANTIC ST RESOURCE COMPENDIUM**

A complete collection on 3½" disk of all the programs appearing in the ST RESOURCE section of ANTIC Magazine from the very first issue. Each disk is packed with example source code and runnable programs. $10.95 each.

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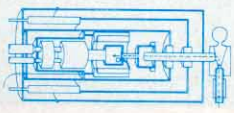

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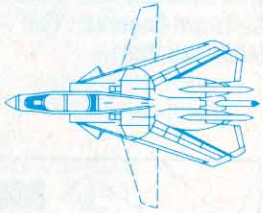

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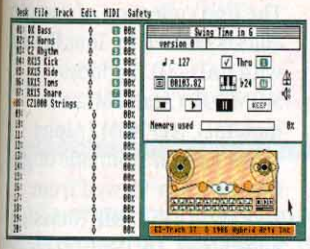

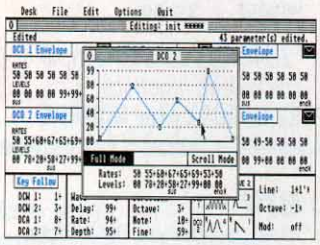

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The sheet-music printout program for the Atari ST.

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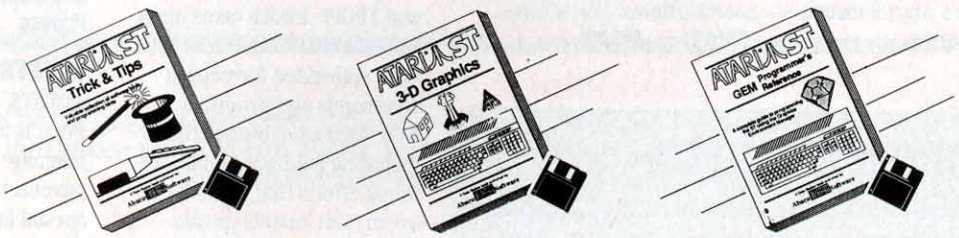

ATARI ST TRICKS AND TIPS

Learn by example! This book contains a very important collection of ST programming tools and techniques, including: RAMdisk, print spooler, color print screen dump, and plotter output driver. Discover how to make brilliant graphic displays, use the VDISYS commands and master the powerful world of GEM applications, refine your BASIC, assembler and C programs with advanced programming techniques. 260 pages, single-sided disk.

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Learn ultra-fast 3-D graphics techniques in 68000 machine language. Teaches 3-D rotation, zooming, mathematics, and data structures. Topics include: transformation of one-dimensional figures to 3-D, hidden line removal, shading, and an introduction to 3-D computer-aided design. Features a 3-D patternmaker and animator. 351 pages, single-sided disk.

TH9035 $34.95

ATARI ST GEM PROGRAMMERS REFERENCE

If you don't have the $300 Atari Developer's Toolkit, you will need this indispensable guide for the serious ST programmer. Detailed information about GEM written specifically for the Atari ST in an easy-to-follow format. Topics include: programming the VDI, AES, and GDOS, interfacing with TOS, how to choose the right programming language, and an introduction to C and assembly language. Includes a disk packed with example programs. 412 pages, single-sided disk.

TH9033 $29.95

You Can Count On Abacus Software

SOLID SOURCE CODE

Features Jim Luczak's VDI SAMPLER and C PRIMER, which demonstrates C programming techniques and the use of VDI functions and their C BINDINGS. BICALC, a desk accessory Binary-Hexadecimal-Decimal calculator. Plus two very fast versions of LIFE, written in Assembler.

PD0079 $12.00

ARChive Collection NEW!

A collection of tools for manipulating archives—multiple files combined and compressed into single library files for later extraction and use. Includes TOS-based ARC, TTP (with generic C source code), ARC-SHELL (with full Modula-2 source code), a GEM-based front end program, and full documentation of the programs and their standard ".ARC" file format, as used with the Amiga, MS-DOS, and Compuserve's Atari Forums.

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UNITERM—TEK/DEC Terminal Emulators NEW!

UNITERM, written by Simon Poole, is a public domain GEM-based terminal emulator supporting complete VT100 and Tektronix 4010/4014 modes (with zoom), as well as ASCII file-transfers and other features. Also included on the disk, both with full C source code, are WTERM II, a GEM-based Tektronix 4010 emulator that is compatible with Thunder! in terminal mode, and the XMODEM program for error-free downloads.

PD0091 $12.00

ST BASIC/LOGO SAMPLER

BASIC: Includes MIDIREC.BAS—a simple MIDI sequencer and sample song files, BG.BAS—backgammon, Fractals in BASIC, Biorythm's, and more. LOGO: Nearly a dozen useful routines including complex graphics. Plus two bonus desk accessories.

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XLISP

XLisp, written by David Betz, is a version of the LISP programming language on the Common LISP standard with extensions for object-oriented programming. Applications written in XLisp on the ST can be run as-is on many systems for which XLisp has been implemented, including Amiga, Macintosh, MS-DOS, CP/M-86, CP/M-68K, CP/M 2.2, VAX/VMS, and Unix. Includes 43-page manual and full C source code on disk.

PD0084 $12.00

PROFF NEW!

PROFF is a text formatter similar to popular mini-computer tools like RUNOFF and TROFF. PROFF takes input from standard ASCII text files with embedded formatting commands and produces fully-formatted output files, including boldface and underlining effects that reproduce on any dot-matrix printer—just print from the GEM Desktop! Includes 37-page manual and full C source code.

PD0089 $12.00

MicroEMACS Collection NEW!

MicroEMACS, originally developed by David Conroy, is a popular implementation of a useful subset of the EMACS text editor used on mini-computers. This disk includes an excellent version by Moshe Braner, with documentation and full C source code, as well as a version by Dan Lawrence that supports 40-line editing with the SM124 monochrome monitor.

PD0090 $12.00

CAD-3D COLLECTION I

The first collection of complex objects created by Tom Hudson with CAD-3D. Includes: MONITOR (Atari SM124 monitor), ALPHOM (Alpha when viewed from one angle, Omega when viewed from another!) STARSHIP (Starship Enterprise), OUTLET (exploded view of electrical wall outlet), HELMET (16th century Japanese battle helmet), and more!

(requires CAD-3D ST0214)
PD0085 $12.00

ST FRACTALS plus SOURCE!

Uses Mandelbrot algorithm to draw fractals in GEM windows in any resolution. Then zoom in with 2×, 4×, 8×, or 16× magnification. Change fractal iteration values and rescale fractals to enhance their color. Then save your fractal picture to disk. Includes all "C" source and object files. PLUS, a half dozen other fractal programs that use different algorithms and display techniques.

PD0068 $12.00

ADVSYS NEW!

ADVSYS, written by David Betz, is a complete Lisp-like language for creating text adventure games. It offers special facilities for giving descriptions, parsing user-input sentences, and handling objects and actors. Includes complete docs on disk, as well as "Starship Columbus," a completely documented sample adventure that's also fun to play!

PD0092 $12.00

SPELL/Writer's Tools NEW!

SPELL, written by Eric Bergman-Terell in Personal Pascal, is a simple spelling-checker for ASCII or 1st-Word files. It scans your document, reporting incorrect words and allowing you to add them to the program's unlimited-size dictionary.

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