THE CATALOG™

QUALITY ATARI SOFTWARE

WINTER 1987 $2.00

Cover art created with CAD-3D and HP plotter.

ONE WEEK TURNAROUND! NO KIDDING.

IF YOU WANT SOMETHING DONE RIGHT, DO IT YOURSELF. When we started The Catalog, we knew our products would be popular—but not *this* popular! Orders poured in at such a rate that we hired outside product distribution companies to fill them and ship the products. Big mistake. Those companies were hundreds of miles away. They didn't know our products and, more importantly, they didn't know our customers. Orders just weren't getting filled fast enough.

So we brought it all home. We completely revamped the Antic product fulfillment department, doubled the customer service team, built several hundred shelves in the basement and filled them with our products. And now, when you order a Catalog product, *we take care of the whole thing in house.* When you talk to one of our customer service people on the phone and they tell you that your product has been shipped, you can be sure that it has—because *they* shipped it. These are Antic people. They know their products and they care about their customers.

Since starting our new system, we've found we can turn around most orders in one or two days. But we don't want to make any unrealistic claims. So, how about one week? **We promise to fill your order and send it out the door one week from the time we receive it.** And you can take that to the bank.

Lisa Wehrer
Manager, Consumer Services



NEW!

YOUR ATARI WILL PAY FOR ITSELF BEFORE APRIL 15th

THE TAX ADVANTAGE™

by Double Eagle Software, Inc.
(no longer sold by Continental/Arrays)

Hands down, this is the most *useful* program you will buy for your 8-bit Atari this year. THE TAX ADVANTAGE is the award-winning tax software that has been on the Softsel and Billboard best-seller lists for *four years.* It's so good our *accountant* uses it to prepare *his* taxes! Here are some of the special features you can expect:

- Directly supports Forms 1040, 2106, 2441, 4562, 6251, and schedules A, B, C, D, E, G, SE, and W. Indirectly supports all other Forms.
- Interactive recalculation at *any time!*
- *What-if* mode displays tax consequence of any *projected* action alongside the original amount.
- Printouts have been *approved for submission to the IRS.*
- Three Schedule C's are provided for three businesses.
- *Supports over 235 printers* by 50 manufacturers.
- 80-page illustrated manual.
- Accepts financial data from The Home Accountant.
- Demonstration tax return included on-disk.

"...reasonably priced, easy to use,...and...can satisfy a majority of taxpayers." —*Infoworld Magazine*

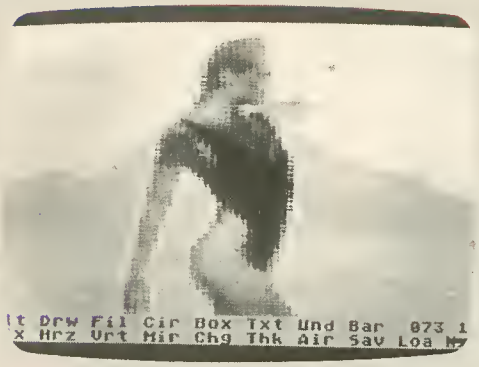
THE TAX ADVANTAGE
Atari 800/XL/XE
TH0007 **$59.95 (avail. Jan, '87)**
Atari 520ST/1040ST
TH9019 **$59.95 (avail. Feb, '87)**

RAMbrandt

Atari Design Studio

BEST SELLER!





All-time best-selling Atari paint Program

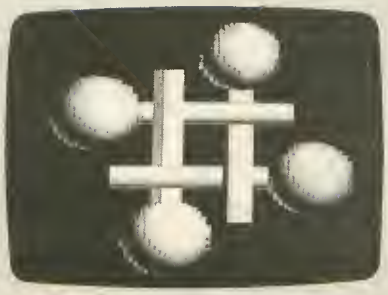
by Bard Ermentrout

Imagine . . . the ultimate paint software. For under $20! Sit down with RAMbrant and enter a design studio with the tools to make anyone a creative artist. It took our technical staff three hours to step through each of RAMbrandt's features. Use the built-in toolkit to enhance your own programs or picture files. Or just doodle for the joy of it! We barely have enough room to list all the power, but here goes:

- 5 graphics modes (7, 7+ (ANTIC E), and GTIA 9, 10, 11)
- Works with joystick, Koala Pad/Touch Tablet or both
- Horizontal and vertical coordinates always displayed
- Box, Circle/Ellipse, Rubber band line, Freehand plot, Text (4 sizes, any font—3 fonts included), Zoom, Mirror (vertical, horizontal, 4 way)
- Fill (solid, pattern, random, user-defined patterns)
- Unlimited user-defined brushes (5 pre-defined)
- Quilts and Tiles (user-definable color patterns—5 of each pre-defined)
- Paint or Fill with any pattern, quilt, tile, or font
- 128 colors in any mode with easy one key DLI access
- Random/Probability/Exclusive-Or/Transparent "colors"
- Color Hunt mode (paint over only the color you choose)
- Animate mode (up to 32 frames at any speed)
- Window mode—any or all of your picture: Rotate, vertical or horizontal flip (T-shirts), wipe, animate, scale (larger or smaller), cut and paste, rubber stamp
- Printer dumps for Epson, Star (Gemini), C. Itoh, NEC and compatibles
- Okimate 10 color printer dump supports color fine-tuning
- Load pictures from Moviemaker, Microillustrator, Micropainter, and ComputerEyes formats
- 130XE RAMdisk Support!

REQUIRES: One Joystick and/or Koala Pad or Atari Touch Tablet
AP0157 **$19.95**
FREE BONUS! Order now and get a FREE DISK of pictures and extra character fonts.

Don't miss the RAMbrandt COLLECTION (PD0073—Page 15), a slide show for your RAMbrandt pictures with ten different special effects.



A 3-D Solid Object Modeler for RAMbrandt

SOLID OBJECT MODULE

by Bard Ermentrout

Now you can easily create 3-D objects with RAMbrandt. Start with 8 different primitives: Sphere, Torus, Cylinder, Spool, etc. Combine them to make complex structures. Then flip into RAMbrandt to complete your picture. This module will not rotate the objects, but it will do just about everything else: 4, 8, or 16 level grayscales. Halftones (random or up to 64 dithered patterns). Backlighting or point source lighting. Clipping window to use parts of objects. Undo command. Much, much, more. If you use RAMbrandt, you need the Solid Object Module.

REQUIRES: 48 K RAM, RAMbrandt
AP0182 **$15.95**

TRAVEL TO THE STARS!

"Feed your imagination a banquet!"

Perfect for Geography, Science, HAM Radio, History, Current Events.

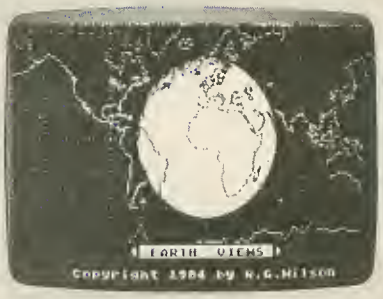
EARTH VIEWS

by R.G. Wilson

EARTH VIEWS is a WORLD ATLAS—an electronic GLOBE—an exciting adventure GAME. Yes, its all three in one. Call up 250,000 different maps and views of the Earth instantly. Includes detailed hi-res maps and projections linked to a "Gazeteer of WORLD PLACE NAMES.



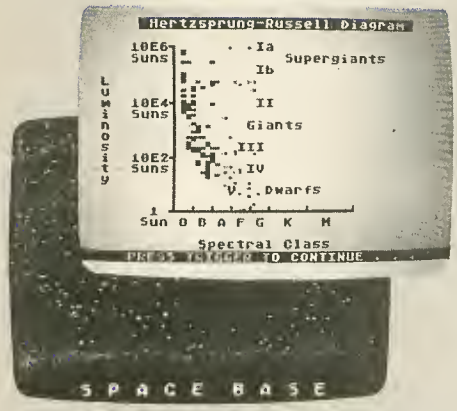
Mercator Projection



Rotating Globe

In the GAME: you fly into the Bermuda Triangle and go on quests to exciting places. Detailed screens display longitude and latitude, lots of colorful information.

REQUIRES: Joystick
AP0141 **$19.95**



SPACE BASE

by Jeff Mehlman

SPACE BASE is a computer-referenced SKY ATLAS—SPACE BASE is a STELLAR INFORMATION DATA BASE—SPACE BASE is a complete, instant ASTRONOMY REFERENCE SOURCE! SPACE BASE is **ALL THREE! In ONE PROGRAM!** Features include: Cursor movement over giant 9-foot by 3-foot scrolling color star map. Get star data: Name, Right Ascension, Declination, distance from Earth, parallax, radial velocity, magnitudes, spectral type, color index, and more! Colorful screen chart shows where each star fits into the Hertzsprung-Russell Diagram. Study deep sky objects: diffuse nebulae, planetary nebulae, open clusters, globular clusters, many types of galaxies. Border of screen is the "color" of that star! A **must** if you own a telescope. A valuable addition to your library of learning software.

REQUIRES: 48K RAM, One joystick
AP0142 **$19.95**

Simulate a trip to the Moon.

ORBIT—A TRIP TO THE MOON

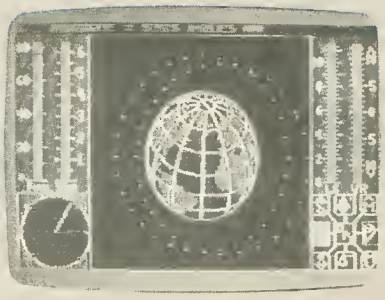
BEST SELLER!

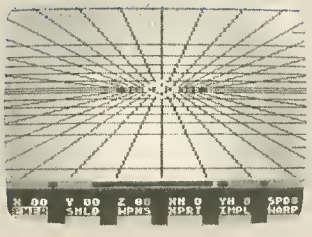
by John D. Reagh

Dock with the Space Station to get supplies, then head for the Moon. Establish a low altitude orbit, detach the landing module and descend to the lunar surface. This is a serious simulation of a true mission. Fuel consumption, life support systems, orbital position, altitude, rocket burn time, thrust vectors, radial velocities, orbital constants—keep track of them all. On-board ship's computer instantly plots new courses.

Designed and written by a Lockheed aerospace engineer. Complete with documentation that's educational too.

REQUIRES: Joystick
AP0168 **$15.95**





Star Raiders was a great game. . . for its time.

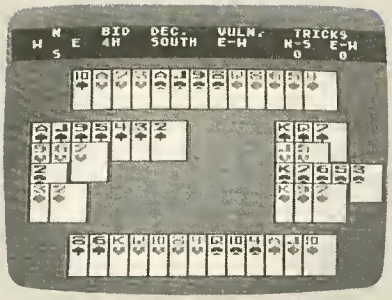
XTAL (*CRYSTAL*)—AN ADVENTURE IN SPACE

by Dave Reese

A planet-threatening Ion Radiation storm has developed in the peaceful Canasian section. Your mission: destroy that storm.

The EXCALIBUR comes equipped with impulse and warp drives, transporters, phasers, communicators, shields, quadrant map display, and a spectacular 3D cockpit/navigation viewscreen.

AP0158 Star Raiders® Atari Corp. **$15.95**



The card game of royalty . . . and society.

BLUE TEAM BRIDGE

by Walt Huber

A complete, tournament-level computerized bridge simulation. Now you can learn to play and play more often. Improve your game.

New players can learn to play right. Intermediate players can learn an advanced style of bidding. Advanced players can learn new bidding conventions to sharpen their skill. All will have a worthy competitor when you "can't get a foursome together." Your favorite game is always at your fingertips.

REQUIRES: Joystick
AP0178 **$15.95**

Great moves . . . for all level players.

COLOSSUS CHESS 3.0

The *Ultimate* Computer Chess.

by Martin Bryant, English Software UK

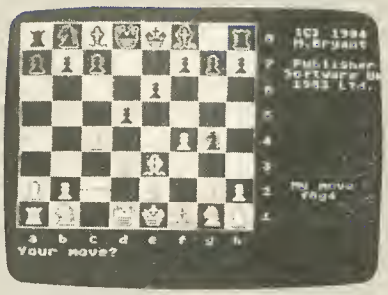
BEST SELLER!

Here's a chess program with all the moves of a *chess master*, a *great chess tutor* or a *master tournament opponent*. Whether you're a beginner or a pro, COLOSSUS CHESS 3.0 is for you.

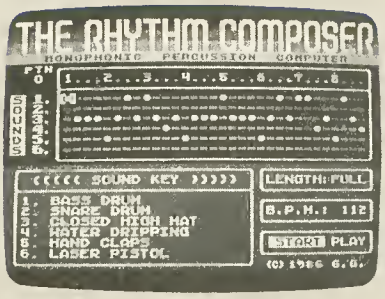
Dare to challenge the program that *outplayed* 20 of the best computer chess programs available!

- Unique two-screen dual display—current game and unique view of COLOSSUS's "brain." Watch Colossus consider thousands of moves.
- On-screen elapsed-playing-time *clocks add realism*, excitement to Tournament mode (full tournament play).
- COLOSSUS teaches *you* to be a better chess player with simulation modes (infinite mode, problem mode, equality mode, average mode, all-the-moves mode, blindfolded mode). Adjust playing speed and style.

REQUIRES: 48K RAM
AP0161 **$15.95**



NOTE: COLOSSUS CHESS 3.0 was named ". . . one of the best buys in chess programs today" by Analog *magazine (Nov., '85).*



A Professional Drum Machine

THE RHYTHM COMPOSER

by Glenn Gutierrez

Create and edit drum sequences. Use them in any order, at any tempo.

Work with the dozens of drum sounds included, or create your own. Ideal for the student and hobbyist. Indispensable for the musician and composer.

AP0180 **$15.95**

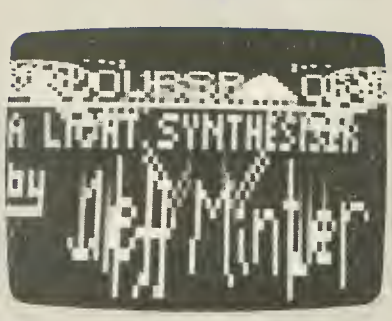
Play graphics like an instrument.

COLOURSPACE

by Jeff Minter, Llamasoft UK

There is nothing else like COLOURSPACE! This "visual synthesizer" drives the Atari's incredible graphics to the max. Use your joystick to create mind-boggling light shows. "Record" up to an hour for immediate playback, or preserve it all on video cassette. Unlimited applications: eye-grabbing displays, abstract music videos, special effects, the ultimate video titler, or turn up the music, turn down the lights, and get lost in the magic of COLOURSPACE.

REQUIRES: Joystick
AP0166 **$15.95**



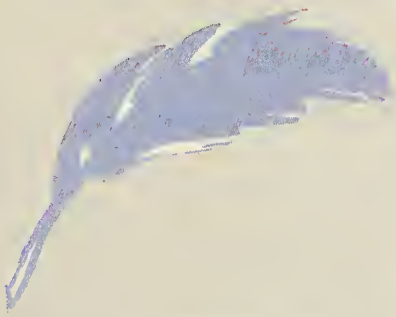
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WORDSMITH TOOLS

Now, supports the Atari 1027 printer.

WORD MAGIC™ and GRAPHIC MAGIC™

by Blue Collar Software



WORD MAGIC is *the* high-powered, low-priced word processor program for you! It's got *every major feature* you'll demand, plus all the *special* ones you'll love. "On-line help files" get you started. Choose from many type fonts. "Cut and paste" between files, then check your work with automatic, on-screen formatting. WORD MAGIC keeps you in control; use a joystick or trackball to quickly move the cursor—Scan files rapidly! *NOTE: If you own the* compatible *Antic DATA MANAGER XL (AP0129), you can easily perform professional mail-merge list processing and form letter operations. Or use WORD MAGIC with* built-in *GRAPHIC MAGIC plus an Epson or Gemini printer—Easily and professionally insert any graphic into any document. Then preview, paginate and print it out automatically. (This pair is functionally similar to the Macintosh and ImageWriter graphics/text combos.) See FREE BONUS below.*

OPTIONAL: One Joystick or Trackball Controller
AP0130 **$19.95**

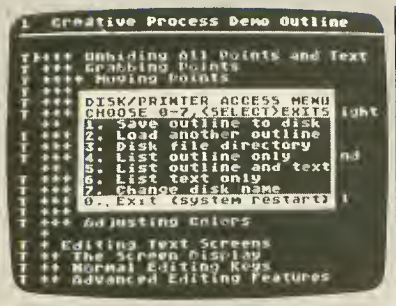
130XE version: Includes Word Magic, Graphic Magic *and* Spell Magic:
AP0160 **$29.95**

Also works with Atariwriter and Paperclip!

SPELL MAGIC™

by Blue Collar Software

Spell it *right—every time*, with this 34,000-word integrated dictionary. Get started fast with on-line help and simple menus. Install SPELL MAGIC and WORD MAGIC together on one disk. *Also*—check documents created by other word processors such as Paperclip and HomePak, *and AtariWriter*. Check in context: SPELL MAGIC *always* displays your document in a window on the upper half of your screen. Add an unlimited number of expandable *personal dictionaries* (up to 10,000 words each). Updates your personal dictionary automatically while checking words. Counts words. Works with single or double drive systems.
AP0144 **$19.95**



"Organize ideas with the only outline processor for the Atari." Compatible with Word Magic, Atariwriter, Paperclip, and other word processors.

CREATIVE PROCESS Version 1.8

by Dave Thorson

Outline processors have become indispensible authors' tools (you've seen them advertised for the Macintosh and IBM). CREATIVE PROCESS on the Atari is a tremendous aid in report writing—for business or school. Capture your ideas and turn them into *professional* documents. Reduce the time needed to get out a document, because speed is the key feature. It can help you manage your projects, make sense out of long meetings, and monitor works-in-progress. Plus, it's so flexible that it can be used as: an address and phone number filer, calendar, recipe database, and for organizing everything. Pop-up command windows let you concentrate on ideas. Undo key, adjustable screen colors, utilities package, and *130XE RAMdisk* support are only a few of CREATIVE PROCESS's huge list of features. Comes pre-configured for single and enhanced density. Capable of supporting your double-density DOS's as well. 100% compatible with Word Magic (AP0130), Atariwriter, and Paperclip.
OPTIONAL: Printer, Word Magic

AP0151 **$19.95**

Power tools for the Atariwriter™ cartridge

PRINTER DRIVER CONSTRUCTION SET

by John Eric Hinckley

Now AtariWriter is totally compatible with every printer. Comes with drivers for FX-80/MX-80, 10X/SG-10, NEC 8023, Prowriter, 1027, HR-25. Build your own drivers for other printers.
REQUIRES: AtariWriter cartridge.
AP0131 **$19.95**

MICROBASE+

by Chipsoft UK

A super fast and powerful mailmerge database for the AtariWriter cartridge.

REQUIRES: XL OR XE computer, 64K, AtariWriter cartridge.
AP0172 **$19.95**

Supercharge your Word Processing.

THE PRINT TOOL

by Marshall D. Abrams Ph.D.

This is an Atari implementation of the mini-computer program RUNOFF: It will add the missing features to your word processor: footnotes, index, contents, full text formatting, much, much more.
REQUIRES: Text editor (like WORD MAGIC-AP0130)
AP0148 was $19.95—**on sale $15.95**

Atariwriter™ Atari Corp.

PROGRAMMABLE spreadsheet for the XL and XE computers

BEST SELLER!



CALC MAGIC
by Metamorphosis Development

This is a full power, fast spreadsheet presented in a much easier-to-use programmable, multi-menu package. Now you can have sophisticated facilities to really control a spreadsheet—and get a solid grip on your budget or business .

CALC MAGIC features include:

- Built-in plain-English programming language. Reduce your keystrokes and allow build templates to allow non-technical people easy access to CALC MAGIC power.
- Quickly test multiple "what if" conditions and determine actual effects.
- Pop-up menus let you choose commands easily, avoid complex command sequences.
- Use simple "pointing" method to reference parts of spreadsheet. Reduce typing errors.
- Advanced printing capabilities.
- Special financial and statistical functions including: MEAN, STANDARD DEVIATION, VARIANCE, etc.
- Math functions such as: SUM, SQUARE ROOT, MINIMUM, MAXIMUM, COUNT, PRESENT VALUE, and more.
- Supports DIF file transfer.

REQUIRES: XL or XE computer, 64K
AP0177 **$24.95**

Two disks of financial modeling tools for the price of one.

REAL ESTATE CASH FLOW ANALYSIS
and
STRATEGIC FINANCIAL RATIO ANALYSIS
by Richard Lindgren

Complete analysis of your Real Estate and all other investments. Serious tools for serious investors.

REQUIRES: Atari BASIC
AP0125 **$19.95**

Write better and faster

PaperClip™

PAPERCLIP—Power, flexibility and the ease-of-use that made the original PaperClip an Instant best-seller! Now, the Atari version offers even greater word processing capabilities than ever before! Easy to use features give a lot more power right at your fingertips. FEATURES INCLUDED: SPELLING CHECKER, DUAL TEXT WINDOW EDITING, ON SCREEN HELP FILES FOR ALL KEY PROGRAM FUNCTIONS, COMPLETE WITH PRINTER FILES FOR ALL MAJOR PRINTERS, AUTOMATIC TABLE OF CONTENTS, AUTO SAVE CAPABILITY, CUSTOM CHARACTER SETS, MACROS, and much more!
by Steve Ahlstrom and Dan Moore
TH0003 **$59.95**

FULL FEATURED, POWERFUL INTEGRATED SOFTWARE FROM BATTERIES INCLUDED

3 in 1 Integrated Software System

HomePak™

HOMEPAK combines HOMEFIND, HOMETEXT, HOMETERM to make what Infoworld calls a "bold product". Now an electronic information manager, computerized writing tool and telecommunications product is yours on one powerful disk. EASY TO USE.
by Russ Wetmore
TH0004 **$19.95**

Charts and graphs made easy

B/GRAPH™

B/GRAPH is a serious graphics/charting and statistics package. Create pie charts, bar charts, area graphs, and much more. Change designs without re-entering data. Make beautiful presentations that can be integrated with your reports generated from PaperClip!
by Robert Wilson and Michael Reichmann
TH0005 **$39.95**

ORDER TOLL FREE 24 hours-a-day Visa/MC Only (Continental U.S. and Hawaii) 800-443-0100 x 133

BBCS II BULLETIN BOARD CONSTRUCTION SET

by Scott Brause

Use the four BBCS editors to build your own powerful, custom Bulletin Board. Remote sysop capability lets you change menus and features from anywhere in the world with complete security. Your BBS will grow as you do—even start your own on-line business, create opinion surveys, and hold user group elections. Add cursor art/animation and fancy title screens too. Build your bulletin board system for everyone because BBCS is totally compatible. Define up to 26 terminal types and directly support up to 25 other kinds of computers.

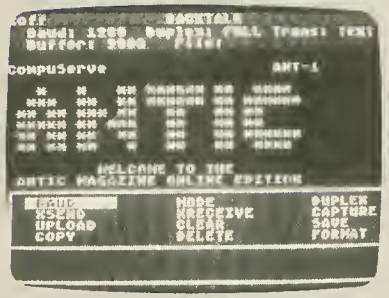
Here are a few of BBCS's long list of features:

- 65,792 security levels (plus privilege levels). Each level determines what the caller will or will not see.
- Xmodem upload/download.
- Downloadable files may be on separate drives and can be broken up into sections.
- Before a download takes place, the system calculates the actual transmission time at the current baud rate and reports it.
- BBCS may be used with or without passwords.
- System automatically checks for private email upon user log-on.
- Time each user is allowed is selectable.
- Callers may be tagged to alert the Sysop or blacklisted to auto log-off problem users.
- ATASCII/ASCII capability (defined by terminal type).
- Full subdirectory support (with appropriate DOS).

REQUIRES: Hayes compatible modem and interface.

AP0146 **$24.95**

SEE SPECIAL 850 INTERFACE MODEM CABLES ON PAGE ST 14. $19.95.



The only programmable modem software available.

BACKTALK 1.2

by Steve Ahlstrom, Dan Moore and Don Curtis

BEST SELLER!

Designed by the authors of PaperClip, Synfile+, and Sherlock 1050, BACKTALK is powerful and easy-to-use. "Script" files can be executed with the touch of a button. Or they can run automatically—even in the middle of the night while the phone rates are lowest. Now you can wake up in the morning and read your email—with your morning paper—without having to download anything yourself! Bulletproof file transfer. Three protocols: Xmodem (with or without CRC), Amodem, and Xon/Xoff. Supports 300, 1200, 2400 baud modems, ASCII/ATASCII translation, full and half duplex. CB "chat" window provides uninterrupted communication during on-line conferences. Smooth scrolling text reduces eyestrain. Friendly pop-up menu makes entering commands a snap.

Now you can use BACKTALK with every modem. Supports Hayes-compatibles, Atari 1030/XM301, and Supra/MPP 1000-series. There's even a way to load your own modem handlers. 130XE will love the way they can download files into the RAMdisk.

AP0154 **$19.95**

NOTE: Some early 810 disk drives will not work reliably with BACKTALK's high speed I/O.

CHAMELEON CRT TERMINAL EMULATOR

VER. 4.03 NEW VERSION

by John Palevich

Written in machine language

Turn your Atari into a variety of computer terminals! Five popular types: Glass TTY, ADM-3A, DEC VT-52, IBM 3031, ASCII, plus a test terminal. Software supports tab, backspace, line feed (on/off), form feed, bell signal, speeds up to 9600 bps, plus lots more. Wide-screen 80 and 132 column emulation. You've never seen anything as fast and smooth as the vertical *and* horizontal fine scrolling. All these features make CHAMELEON flexible enough to use with UNIX operating systems. Perfect for logging on to non-standard systems, such as MCI MAIL and DELPHI, because you can customize *all* terminal parameters. Autodials and stores up to 16 phone numbers. Supports file transfers and features on all Atari 850-interface, 835, 1030, and XM301 modems. Version 4.03 includes Columbia University's Kermit file-transfer capability, in addition to total compatibility with the popular Xmodem protocol.

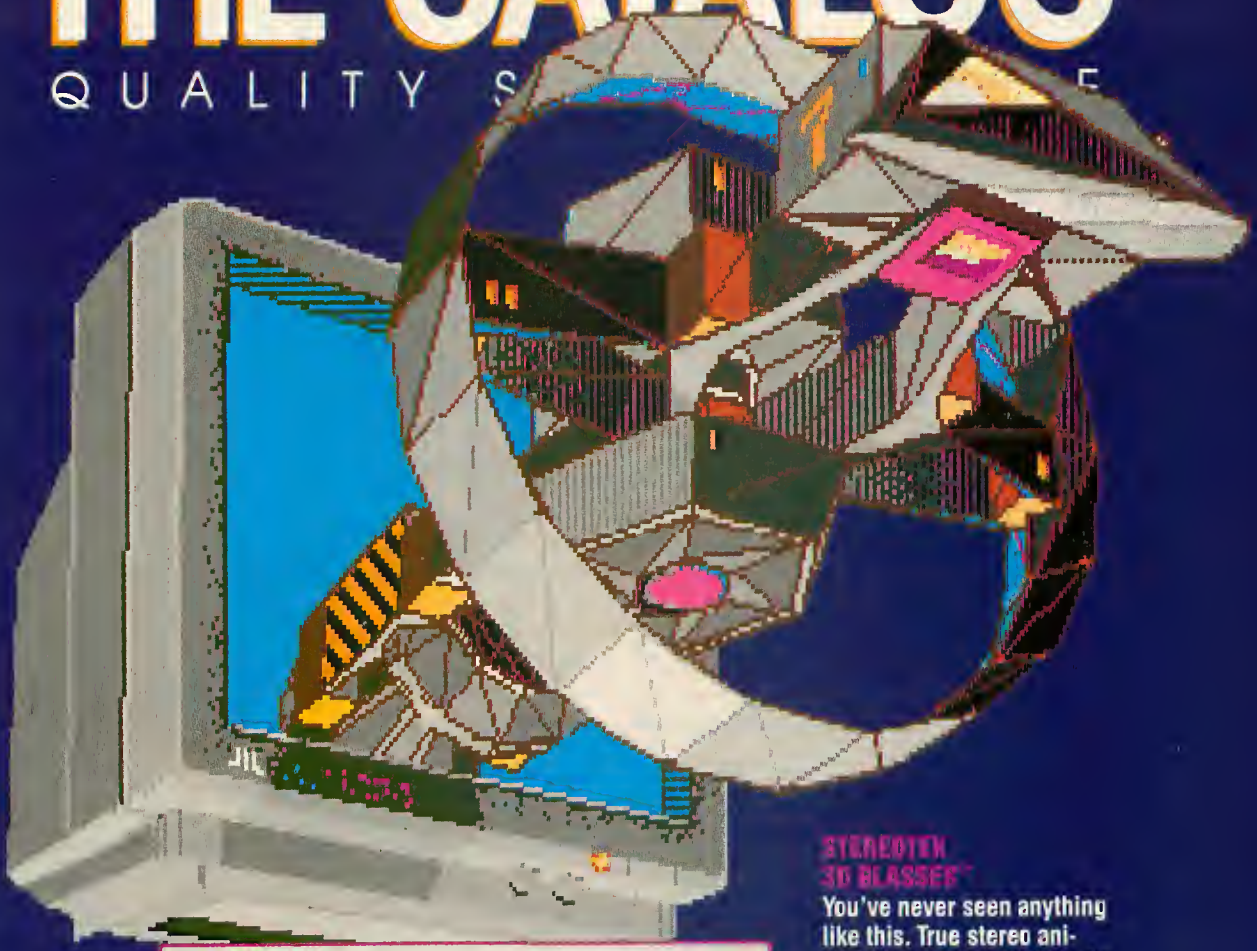
REQUIRES: 48K RAM

AP0113 **$19.95**

ORDER TOLL FREE *24 hours-a-day* Visa/MC Only (Continental U.S. and Hawaii) 800-443-0100 x 133

THE CATALOG™

QUALITY S E



"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!

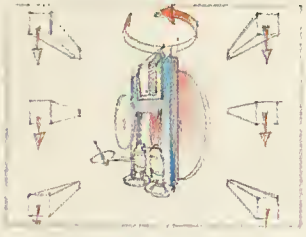
Write animation MACROS

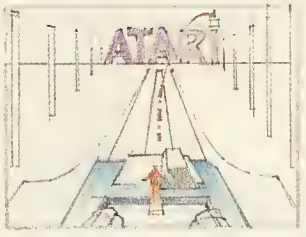
To make your animations unique and interesting, the system had to be **totally flexible.** So we developed a new "programming language" that allows you to:

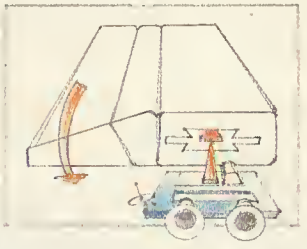
- Play sound effects or music (created with the G.I.S.T.™ sound editor, on page 10)
- Change frame rates and looping sequences
- Change the color palette
- Load and run animations as "batch" files
- Splice in animations from multiple sources
- Call other macros

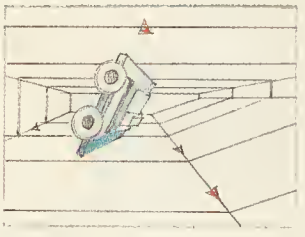
Using the tools, you can create digital "home movies," corporate logo animations, and much more. And the FUTURE DESIGN DISK is all you need to get started creating the next outer-space epic. What are you waiting for?

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***

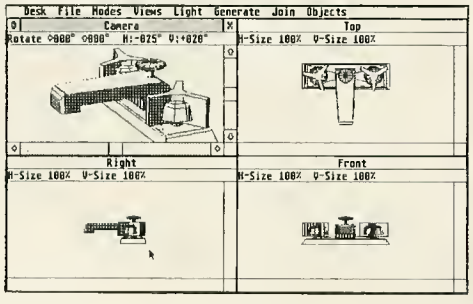
The Original...

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!

STEREOTEK™ 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"

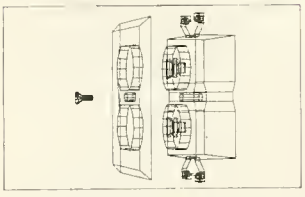


(requires CAD-3D)
FUTURE DESIGN DISK
ST0232 $24.95

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

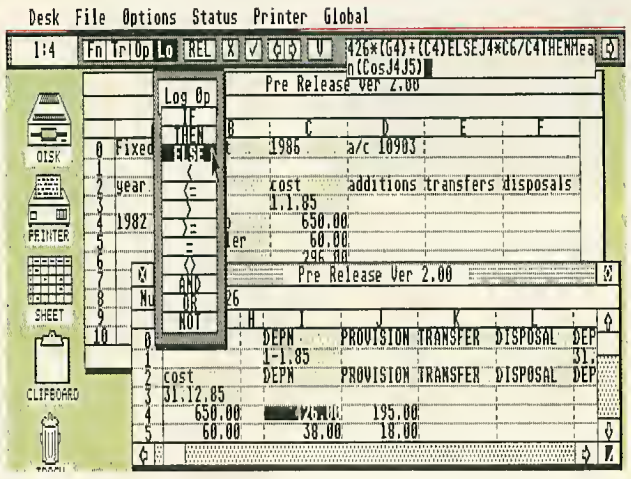
"This is the easiest to use spreadsheet that I've ever seen."

—W. Krieger
Computer Shopper Magazine

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:

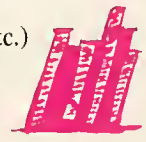
- Up to five windows open at once
- WIDE-VIEW option to see 50 percent more of your worksheet at once
- SEARCH for character strings
- Powerful PRINTER FORMATTING commands
- .DIF file compatibility
- Exclusive A-CHART compatibility
- Sparse-matrix design maximizes available RAM



- 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.***

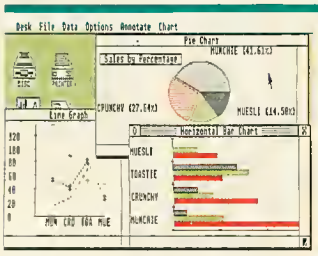
NEW!

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.**

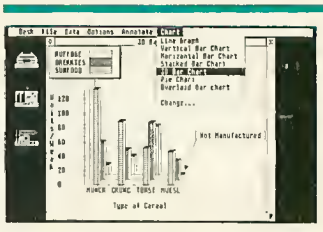
A-CHART automatically turns your A-CALC (or A-CALC PRIME) spreadsheets into beautiful graphs that are DEGAS-compatible. And if you don't have a spreadsheet, A-CHART's **built-in** editor will help you organize those numbers into a super-sharp presentation.



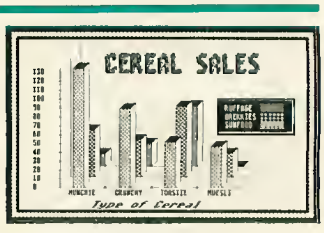
A-CHART



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!

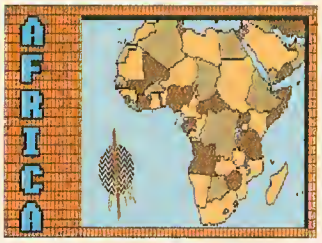
MAPS AND LEGENDS™— The Cartographer

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!





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™

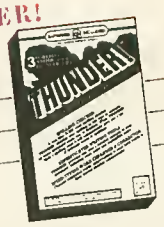
THE ISGUR PORTFOLIO is three programs in one: Portfolio manager, telecommunications, and calendar/memo pad. Receive Dow Jones stock quotes, CompuServe, The Source, and InfoGlobe financial information, automatically. Consolidate multiple stock portfolios. Hands on management of stocks, bonds, options,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

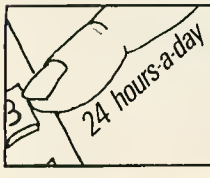


TAKE A SECOND FOR TIME MANAGEMENT

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.

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

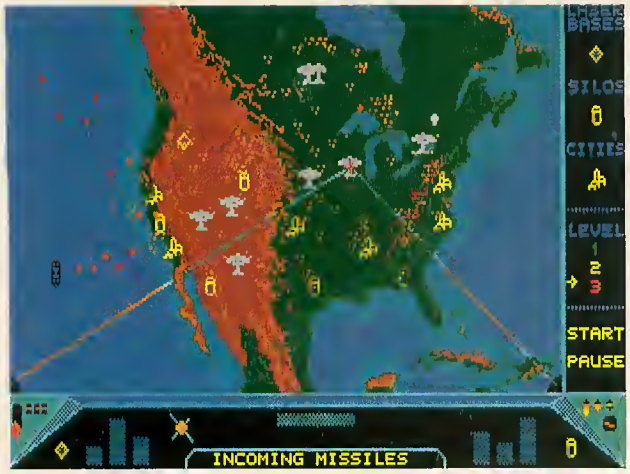
Wouldn't it be great to have **every** FLASH command at your fingertips? This rigid command card lists all 110 of the commands, with their ALT-key equivalents. It slips right into your function key slot. **Plus,** it has room for you to write down three sets of twenty of your favorite function key macros.

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

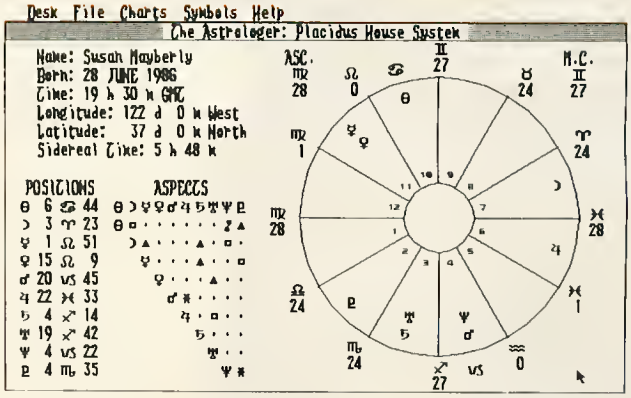
WHY TRUST GYPSIES?

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.

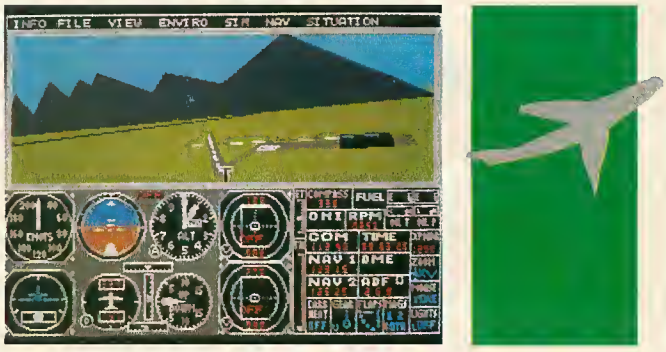
RIVALS PROFESSIONAL TRAINING UNITS!

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

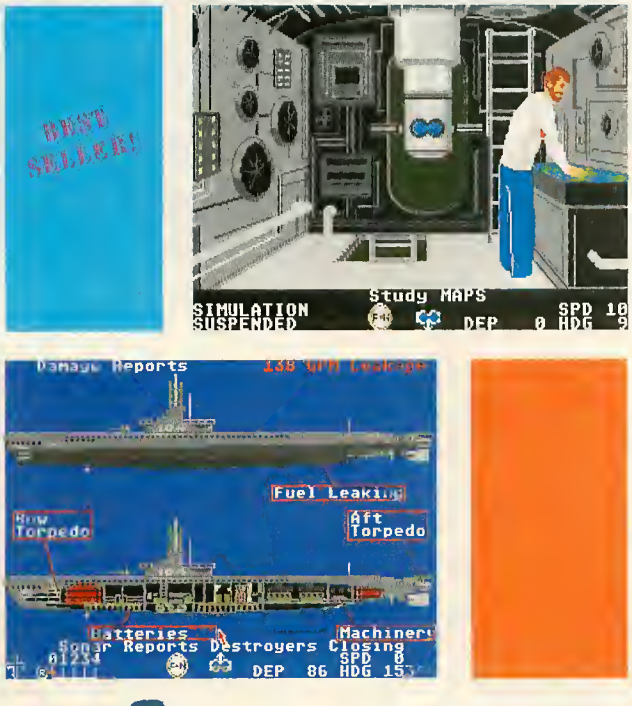




and chased each other all over the San Francisco Bay Area, circling the Trans America Pyramid and buzzing Alcatraz. If you know someone with an Amiga version, you can take your rivalry to the skies!

FLIGHT SIMULATOR II
TH9027 $49.95

subLOGIC



MICROPROSE

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

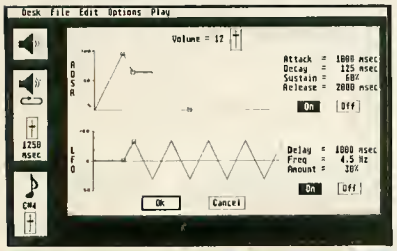
*CREATE NEAR-SYNTHESIZER-QUALITY SOUND EFFECTS WITH OUR **SOUND LABORATORY.***

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.

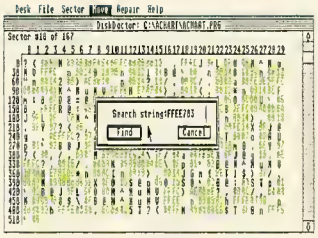


FLOPPY DISKS AREN'T PERFECT. THAT'S WHY YOU NEED DISK DOCTOR.

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

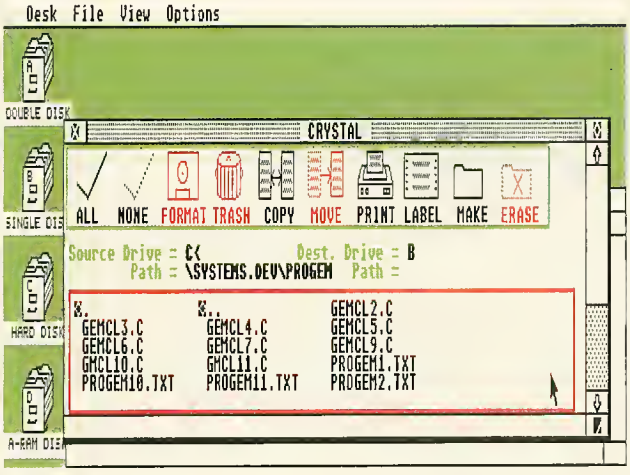
These are the DOS Icons Digital Research forgot when they wrote GEM. It's too bad Atari didn't put **CRYSTAL** into the TOS ROM's, because for about 30K of code, **CRYSTAL** gives TOS the most powerful features of MS-DOS. Plus, you never lose the look and feel of GEM. And since **CRYSTAL** is a desk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

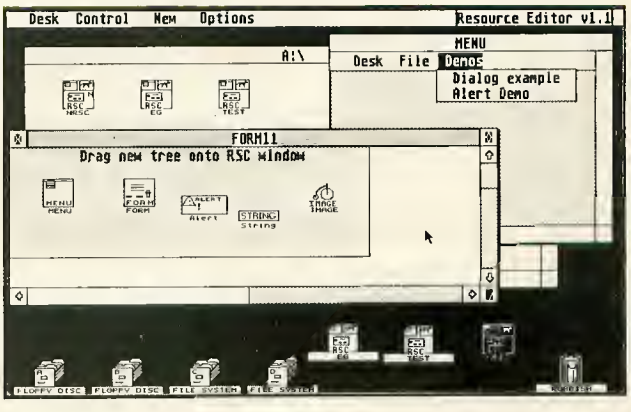
Picture this: You're in the middle of hyperwarp to an endangered sector of the Star Raiders™ galaxy when you hear the approaching footsteps of your boss. No problem. You press three keys and your ST **instantly** switches to 1ST WORD™ where you continue working on a letter to the Accounting Director.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

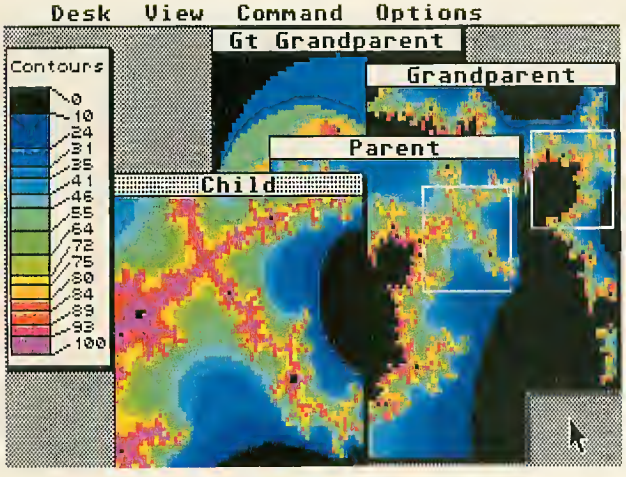
Here is the compiler that 1ST WORD™ was written in.

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 IST 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.

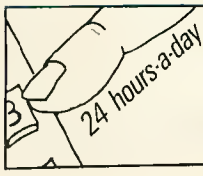
CAMBRIDGE LISP 68000 was **created in the same A.I. lab that developed the original LISP.** Its authors, Cambridge University Professors John Fitch and Dr. Arthur Norman, have custom-designed a powerhouse, mainframe language for your ST that **supports all GEM AES and VDI calls.**

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)



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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).

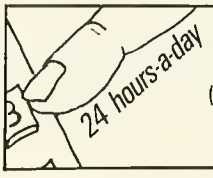
		MAGAZINE #	DISK #
START #1	SUMMER '86	SMS0686	SDS0686
START #2	FALL '86	SMS0986	SDS0986
START #3	WINTER '86	SMS1286	SDS1286

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.

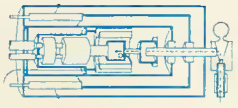
	ISSUES	DISK #
ST RESOURCE COMPENDIUM #1	8/85–1/86	SB0101
ST RESOURCE COMPENDIUM #2	2/86–5/86	SB0102
ST RESOURCE COMPENDIUM #3	6/86–9/86	SB0103

"If you're familiar with Autocad for the IBM PC... you'll feel right at home with The Graphic Artist."
—Antic Magazine



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(Continental U.S. and Hawaii) Visa/MC Only
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the Graphic Artist®



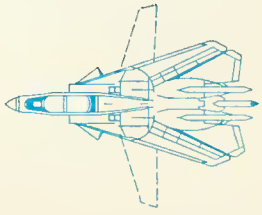
Originally sold for $495.00.
Now available for $199.95

THE GRAPHIC ARTIST

This object-oriented drafting system features a unique spreadsheet foundation and menu-driven interface for beginning users. Complex macro-programming language offers complete control for professionals.

Supports high-resolution dot-matrix printers, plotters, and laser printers. The two examples shown here were created by The Graphic Artist and were used to illustrate plotter output for the Autumn Catalog's CAD-3D plotter driver. Includes detailed 400-page manual, 2-disk set.

THE GRAPHIC ARTIST
TH9028 $199.95

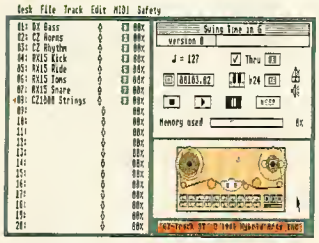


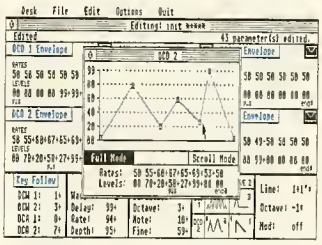
PROGRESSIVE COMPUTER APPLICATIONS

PROFESSIONAL MIDI MUSIC SOFTWARE FOR EVERYONE!

NEW!

FROM Hybrid Arts, Inc.™





The 20-track polyphonic MIDI recorder for the Atari ST.

EZ-Track™

This is the finest, moderately-priced MIDI software we've seen—and by an experienced firm with a strong music background. Easy to use, but no toy! With EZ-Track, you can make multitrack recordings in real time or step time, save them to disk, then play them back in perfect sync. Professional features include: Real-time solo and muting of tracks, quantizing (auto-correcting) of timing, instant transposition of entire song and much more. Memory capacity is over 27,000 notes on the 520ST and over 63,000 on the 1040ST—very flexible MIDI control.

TH9029 $65.00

MIDI CABLES

High-quality MIDI spec. cables in 5 foot length.

TH9032 $3.95 each

The patch librarian, editor and sound generator for the CASIO CZ synthesizer series and Atari ST.

CZ-Android™

Completely professional MIDI software designed specifically for your CASIO CZ synthesizer. CZ-Android actually **helps you program** your CASIO CZ synthesizer. Then save thousands of your lush new patches with the 20,000-patches-per-disk librarian. Plus, you can edit all CZ parameters either **graphically** or numerically. The unique **Android programmer** lets you listen to thousands of new, original sounds and select the ones you like: to use right away, for graphical editing, or to save for later use. Get the most out of your instrument!

TH9031 $99.95

The sheet-music printout program for the Atari ST.

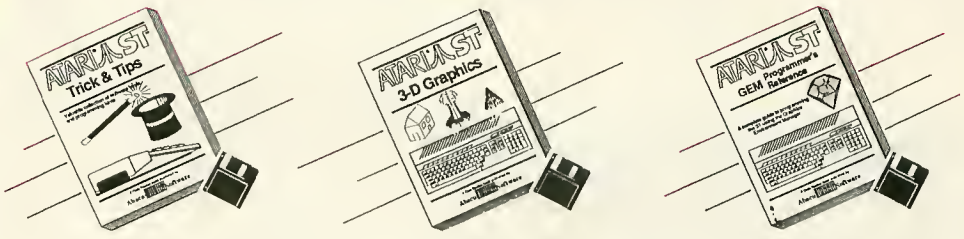
EZ-Score™

This utility program translates EZ-Track song files into sheet music on the ST screen. You can then add lyrics and chord symbols as well as define the chart format. Most popular printers are supported.

TH9030 $99.95

ABACUS BOOK 'n DISK PAKS

NEW!



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.

TH9034 $29.95

ATARI ST 3-D GRAPHICS

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

ST PUBLIC DOMAIN 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.
PD0094 $12.00

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.
PD0078 $12.00

S/Terminal plus SOURCE!
PD0057 $12.00

"Enhanced version with fill and palette functions."

ST DOODLE plus SOURCE
PD0058 $12.00

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.
PD0093 $12.00

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Brian M Sarrazin

Sales Manager

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This 2 DISK SET gives you complete command of your dot matrix printer.

PICTURE PLUS 3.0 and LISTER PLUS 1.5

by Chet Walters
Non-Standard Magic!

PICTURE PLUS is the total graphics utility combined with the ultimate ATARI screen dump. Now Version 3.0 is faster and works with nearly any DOS. It even works with RAMdisks.

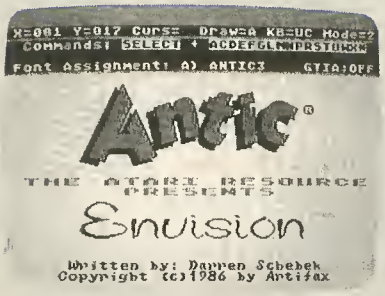
Translate pictures between Micro-Illustrator, SuperSketch, Paint, Fun With Art, B/Graph, Movie Maker, Micropainter, Atari Light Pen, Atari Touch Tablet, Koala Pad, LOGO, Computer Eyes, DrawIt, RAMbrandt (when converted), Graphics 7, 7+, 8, 9, 10, 11, and 15.

Work with the entire picture or just area you want. PICTURE PLUS will merge two pictures, reverse a picture left to right (for T-Shirts), turn it upside down, move it in any direction, make a negative, or change colors. Add text anywhere on the picture, in any color(s) and any font(s), in 6 sizes.

PICTURE PLUS will print screens in 4 sizes from 3"×4" to 8"×14". Directly supports printers compatible with Epson, Gemini, Prowriter, Okidata, color IDS, and color Mannsemann Tally. Custom Printer installation program handles most others.

LISTER PLUS will print anything exactly as it appears on your screen including control characters, inverse letters, custom character sets, and character graphics. These two packages formerly sold for over $30 each.

REQUIRES: 48K RAM, Atari BASIC
OPTIONAL: Dot Matrix Graphics Printer
AP0179 **$19.95**



The RAMbrandt of character graphics.

ENVISION

by Darren Schebek

Create giant, multi-screen, 8-way scrolling pictures. Build effortless animations (up to 128 frames at 10 speeds). There has never been anything like ENVISION before. Did you think character graphics were blocky, ugly substitutes for the real thing? Take another look at this screen shot. Graphics 0. And in real life, it's animated.

ENVISION has over 50 commands giving you total control over the Atari's 6 incredible text modes. Print out your pictures, do fancy typesetting. Envision also supports GTIA modes 9 & 11. A special utility converts microscreens to character graphics that are indistinguishable from the original. ENVISION is a brand new art medium and much more. It will create stand-alone pictures or produce BASIC and Assembler SOURCE CODE, a programmer's dream come true. On the 130XE, Envision supports 16 simultaneous fonts.

REQUIRES: Joystick
OPTIONAL: BASIC, MAC/65, SynAssembler, Epson-compatible printer
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Create Print Shop™ Icons from your favorite pictures.

GRAPHIC SHOP

by Charles Jackson and Darryl May

Now you can use most Atari picture files for your Print Shop signs, banners, letterheads, etc. It's a snap with GRAPHIC SHOP. Choose either to compress an entire picture into a Print Shop icon or to pick up and convert only a small portion of it. Print preview lets you choose which colors will be replaced by pattern fills, and which will be black and white.

OPTIONAL: RAMbrandt (AP0157)
REQUIRES: Print Shop
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Supports most plotters.

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by Robert Wilson and Michael Reichmann

Print color micro-screens on your plotter. Supports 1020, CGP-115, Pixy 3, Sweet Pea, others.

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by James Burton

Mode 7 paint package with compression for high speed graphics in your BASIC and Assembly programs.

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MAPWARE

by Harry Koons and Art Prag

Create hi-res world maps in 4 different projections. This is the predecessor to the spectacular Maps & Legends on the ST.

REQUIRES: Atari BASIC
AP0134 **$15.95**

Put music in your programs.

ENHANCED POKEY PLAYER

by Craig Chamberlain

Still unsurpassed for adding music to your BASIC programs. Includes the invisible player.

REQUIRES: Atari BASIC
AP0147 **$15.95**

SPECIAL CABLES FOR YOUR 800 ONLY $19.95. SEE PAGE ST 14.

"Finally, a flexible, full-featured database.

DATA MANAGER XL

by William Bartlett

Here's a flexible, integrated data base manager/mini-word processor that's easy-to-use. Highly flexible features include: color-coded files, program handles up to 100 field (indexable categories), each field as large as 120 characters,—Quickly make changes with easy add and delete options. Print custom reports from existing files. An Index Manager function allows sorting and file rebuilding. Use with compatible AtariWriter and/or Antic's WORD MAGIC (AP0130) for mail merge, form letters, or other letter/list processing needs! A special "Tools Manager" section features: database diagnostics and utilities plus a disk drive speed checker! How-to instructions are complete and detailed.

REQUIRES: Atari BASIC
AP0129 **$19.95**

Read Faster. Understand more.

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by Eagle Software

SPEEDREAD+ helps you to read faster with less effort, and retain more. Expand your reading skills. Uses proven "Tachistoscope Method" recognized effective for years.Features include:

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- Three texts included on disks (no typing necessary), or you can create your own (ideal for teachers).
- Vary phrase length, width, mode, flash rate, and repeat mode.
- Complete instructions with hints, tips, and guidelines.

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"The SPEEDREAD+ program was more rigorous and more challenging than the commercial course I took. It was also more fun . . . Performance-excellent; Documentation-good; Ease-of-use-excellent; Error handling-excellent." Infoworld magazine

---

THE FAMILY TREE

by Harry Koons

Record and access up to 6 generations of historical family data with THE FAMILY TREE. Enter names, dates, places and facts; then print out an actual pedigree chart of your own lineage (on any printer). Use the joystick or keyboard to select any relative. Display three windows of



pertinent information about that family member instantly. All historical data can be displayed and edited on-screen. Save up to 24 generations on one disk. Send printed charts to distant relatives—get their help in completing each family member's history. Preserve your family tree for posterity!

REQUIRES: Atari BASIC
OPTIONAL: One Joystick
AP0133 **$19.95**

Your key to quick, easy learning.

MEMOREASE+

by Eagle Software

Memorize efficiently and quickly, retain more. Gradual Recall technique is automatic, effortless.

Memorize:
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- Vocabulary
- Languages

MEMOREASE+ features:
- Full screen mode for learning text and facts.
- Split screen mode for question-answer format (flash cards).
- Includes editor to create your own material. (Many samples provided.)

AP0163 **$19.95**

Print out your family's personal astrological charts.

ASTROLOGY

by Harry Koons and Art Prag

Complete your *family records* for *posterity*. With this menu-driven program you can *easily* create astrological charts for *all of your friends and relatives*. Use your joystick to quickly enter birthplace coordinates on scrolling U.S./World map. ASTROLOGY draws a finely detailed astrology chart on your computer screen. Includes appendix to aid chart interpretation. *NOTE: Once you've recorded your pedigree with FAMILY TREE, use ASTROLOGY to chart the* exciting *and* mystical *part of* your family's history.

REQUIRES: Atari BASIC, Joystick
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SHERLOCK 1050

by Dan Moore and Steve Ahlstrom

Get a fighting chance to restore crashed disks. Examine or edit any byte in any sector of your single or enhanced density disks (in HEX or ASCII). Disassemble (from the disk itself) any machine language file or autoboot disk and learn its secrets. Restore deleted files and salvage broken files with the Trace option.

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Double Density Disk Sector Editor

by Mike Fleishman

Complete disk editor for single and double density drives. Restore, salvage, disassemble, and edit data.

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EXDDT, the perfect partner to MAC/65™. Use the cartridge for quick checks, and EXDDT for serious debugging. You already know the commands.

Power combo for Assembly language programmers

FLOATING POINT PACKAGE

Louis J. Chorich III

EXTENDED D.D.T.

by Jim Dunion

FLOATING POINT PACKAGE makes math with MAC/65 as easy as BASIC. It gives you the tools to use the precision of Floating Point operations. If you only use it once, it will pay for itself in time saved, but you'll use it over and over to make your programs more powerful, more accurate, and more useful. Also includes Floating Point array management and Trig functions.

REQUIRES: Mac/65

EXTENDED D.D.T (EXDDT) is the best debugger, made even better. The improvements include:

- Symbolic disassembler. Work with labels instead of addresses. "Mark" symbols and interpretive mode will halt if their values change.
- EXDDT is completely relocatable.
- Alter graphic control areas (such as color registers) without affecting EXDDT screen.
- NEXT instruction for single stepping past subroutines.
- Includes mini-assembler.
- Complete source code and all assemblers.

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Ideal partners for MAC/65. Use FLOATING POINT PACKAGE to speed development.

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Your computer can teach you the language of the ST.

DEEP BLUE C COMPILER

by John Palevich

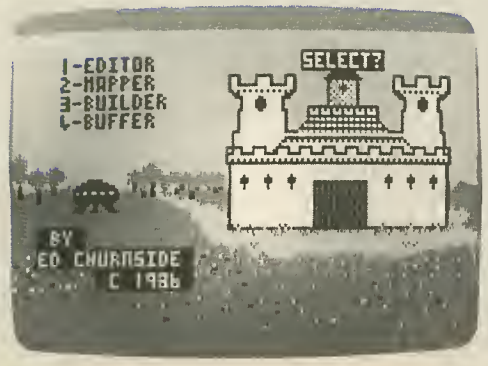
MATHLIB

by Frank Paris

DEEP BLUE C is faster and more powerful than BASIC. C is one of the most transportable languages—runs on other computers with minor modifications. This all purpose language is the *de facto* standard for the new generation of 68000-based machines like the Atari ST. Pointers, recursive functions, and high-level control structures make complete software systems easy to design, implement and maintain.

MATHLIB is a complete library of math functions for DEEP BLUE C. The 32 functions provide access to Floating Point and Trig operations. Now you can get both disks for the price of one!

REQUIRES: Text editor like Word Magic/AP0130
DEEP BLUE C and MATHLIB
AP0188 **$19.95**



The most comprehensive collection of BASIC programming tools ever published anywhere.

THE DRAGON'S TAIL

(Toolkit And Integrated Library)

by Ed Churnside

This is a HUGE package, three disks, six sides of programs, utilities, demos, and documentation. It started out as routines to write graphic adventures, by the author of ANTIC's best-selling DRAGON QUEST, but it got out of hand. Ed has produced a masterwork. There's invaluable stuff here for text parsing and string formatting, memory and bit manipulation, timing, I/O, graphics editing and compressing, animation, and more. It even does windows. There is the powerful SCRLD which will write your program for you. Like the man said, "If it ain't here, you don't need it." All this and the SOURCE CODE for DRAGON QUEST as a demo. Good programs for the Atari XL/XE are getting harder to find. Write your own.

AP0187 **$24.95**



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Sensational flying and thrilling head to head Dog Fighting

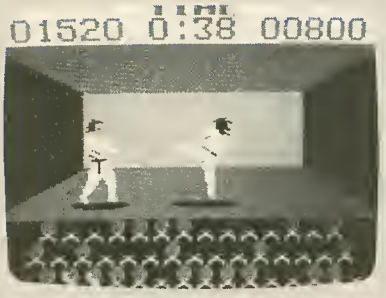
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Forget the fancy air-to-air missles, radar and all the things that make modern air combat different from historical fighter flying. Now you have the chance to prove you can be a great "hot stick" with these three exciting, joystick-smashing classics from MicroProse.

Three Game Set includes: HELLCAT ACE, MIG ALLEY ACE, and AIR RESCUE.

The action is simulated . . . The excitement is real!

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Joystick-busting Kung-Fu action.

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An action-packed martial arts competition simulation. For anyone who likes thrill-a-minute competitive games. One or two players. Eight progressive levels, two speeds-normal and (for the insane) superfast. Killer scorpions add an unpredictable element. Fast, smooth animation and 29 on-screen colors add to the excitement.

REQUIRES: One Joystick per player

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". . . one of the best Atari buys of the year. Go get it grasshopper!" Atari User magazine (UK)



The Ultimate role playing fantasy adventure game. From Sierra

ULTIMA I AND II

Rely upon your creativity and logic to unlock the mysteries of each adventure. Map skills will prove helpful as you unlock the endless fascination and intrigue that will take weeks to unravel.

Create your own alter ego who will perform brave and daring feats in your honor. Together you will explore the far reaches of the galaxy in II and travel through space and on land and deep into the sea in Ultima I.

These adventure games are truly timeless classic arcade adventures.

Ultima I TH0001 **$34.95**
Ultima II TH0002 **$54.95**

A great graphic adventure for your entire family

DRAGON QUEST

by Ed Churnside

Slay the dragon and save the kingdom. Colorful graphics, fast and fantastical.

REQUIRES: Atari BASIC

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Double play card game classics.

SEVENS (FAN TAN)

by Craig Preator

KLONDIKE SOLITAIRE

by Mike Fleishmann

SEVENS is the classic strategy card game. Plus, the best Solitaire implementation on the Atari. Colorful, fast, and completely addicting.

REQUIRES: Joystick

AP0174 **$15.95**

Two-for-one card games.

SEVEN CARD STUD

by Monty Webb

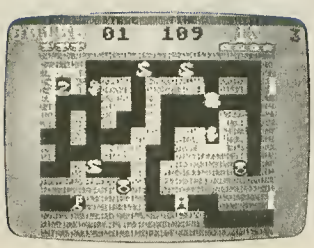
CRIBBAGE

by Jose Suarez

Stud Poker with programmable opponents and Cribbage for the connoisseur. Superb simulations.

REQUIRES: Atari BASIC and joystick

AP0173 **$15.95**



48 different tombs, or build your own!

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Up to 4 players, five levels, arcade and adventure challenges. Plus build your own tombs.

REQUIRES: Joystick

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DEC	NEW PRODUCT GUIDE	13/60K	AMS1283	ADS1283
'84 JAN	PRINTER SURVEY	12/54K	AMS0184	ADS0184
FE8	PERSONAL FINANCE	12/64K	AMS0284	ADS0284
MAR	WORLDWIDE USERS ISSUE	14/60K	AMS0384	ADS0384
APR	ATARI GAMES—	15/59K	AMS0484	ADS0484
MA/JU	EXPLORING THE XL	10/54K	AMS0584	ADS0584
JULY	TELECOMMUNICATIONS	6/38K	AMS0784	ADS0784
AUG	DISK DRIVE SURVEY	6/67K	AMS0884	ADS0884
SEPT	COMPUTER GRAPHICS	11/65K	AMS0984	ADS0984
OCT	LEARNING MAGIC	9/63K	AMS1084	ADS1084
NOV	COMPUTER ADVENTURES	9/60K	AMS1184	ADS1184
DEC	BUYERS GUIDE	6/30K	AMS1284	ADS1284
'85 JAN	SUPER UTILITIES	7/62K	AMS0185	ADS0185
FEB	MONEY MASTERY	8/67K	AMS0285	ADS0285
MAR	ULTIMATE PRINTER GUIDE	8/61K	AMS0385	ADS0385
APR	COMPUTER FRONTIERS	10/87K	AMS0485	ADS0485
MAY	3RD ANNIVERSARY ISSUE	10/86K	AMS0585	ADS0585

		# Progs/K	Mag #	Disk#
JUNE	COMPUTER ARTS	10/173K	AMS0385	ADS0385
JULY	COMPUTER CHALLENGES	8/145K	AMS0785	ADS0785
AUG	TELECOMPUTERS	9/117K	AMS0885	ADS0885
SEPT	POWER PROGRAMMING	10/60K	AMS0985	ADS0985
OCT	MIND TOOLS	8/54K	AMS1085	ADS1085
NOV	NEW COMMUNICATIONS	8/63K	AMS1185	ADS1185
DEC	4TH ANN. SHOPPERS GUIDE	6/71K	AMS1285	ADS1285
'86 JAN	ATARI PRODUCT REVIVAL	7/69K	AMS0186	ADS0186
FEB	PRINTER POWER	26/57K	AMS0286	ADS0286
MAR	PRACTICAL APPLICATIONS	25/49K	AMS0386	ADS0386
APR	COMPUTER MATHEMATICS	17/46K	AMS0486	ADS0486
MAY	4TH ANNIVERSARY ISSUE	17/68K	AMS0586	ADS0586
JUNE	SUMMER COMPUTING	10/95K	AMS0686	ADS0686
JULY	COMPUTER ARTS	10/160K	AMS0786	ADS0786
AUG	ONLINE COMMUNICATIONS	8/125	AMS0886	ADS0886
SEPT	WEATHER	9/162	AMS0986	ADS0986
OCT	HARD DISKS	11/158	AMS1086	ADS1086
NOV	PERSONAL FINANCE	10/089	AMS1186	ADS1186
DEC	SHOPPER'S GUIDE	12/115	AMS1286	ADS1286

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TELECOMMUNICATIONS

TEK 4010 GRAPHICS TERMINAL EMULATOR

A Tektronix dumb terminal for Hayes-compatible modems. 1/4 resolution graphics, 19K buffer, printer dump.

PD0083 $10.00

AMIS XM10.BBS from M.A.C.E

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by Michael Barall

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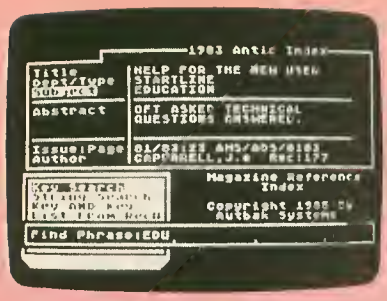
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