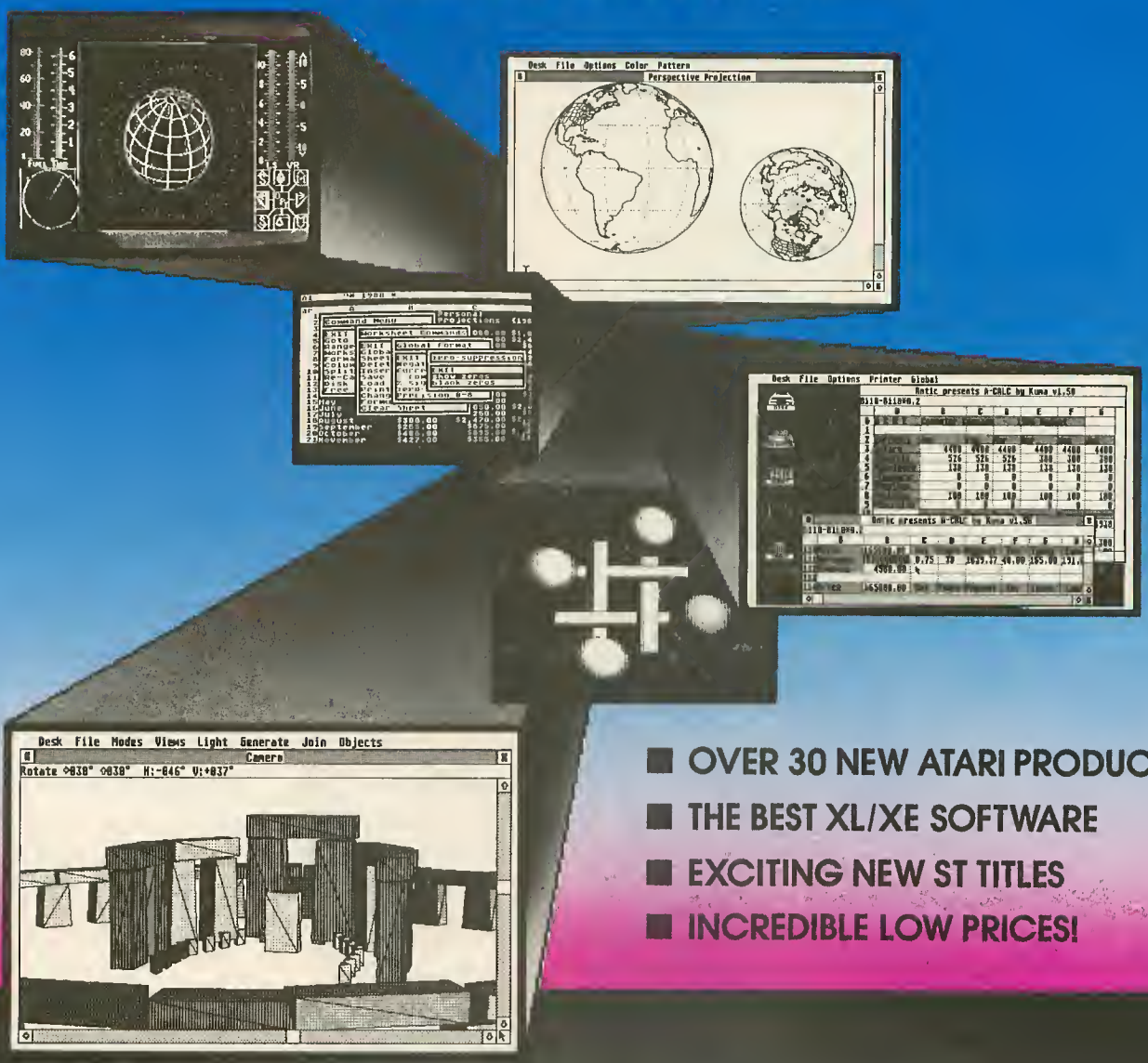
THE CATALOG™

QUALITY ATARI SOFTWARE

■ **DESIGN-THE-COVER CONTEST**



■ **OVER 30 NEW ATARI PRODUCTS**
■ **THE BEST XL/XE SOFTWARE**
■ **EXCITING NEW ST TITLES**
■ **INCREDIBLE LOW PRICES!**

AUTUMN 1986 $2.00

Cover art designed with DEGAS, from Batteries Included. See page ST4.

THE CATALOG™ COVER DESIGN COMPETITION

You could be our next cover designer for THE CATALOG!

Create an illustration or design using CAD-3D, C.O.L.R. Object Editor or DEGAS for the ST; or Envision, RAMbrandt, or DrawIt! for the XL/E. Work must not be a copy of any published or copyrighted photograph or illustration. Your creation must be original and incorporate three colors only; black and two of your choice. Only one submission per person. Give us your best.

Submissions are judged by the producers of The Catalog. A winner from both 8-bit and 16-bit categories will be selected.

GRAND PRIZE:

Your design will be used on the next new issue of The Catalog. Grand prize winners will receive a $200.00 gift certificate good for any purchase from The Catalog.

RUNNERS UP:

Three runners up will receive a $50.00 gift certificate good for any purchase from The Catalog.

TO ENTER:

Send your entry on disk with your name, address, phone and age. Mail it to THE CATALOG COMPETITION, 524 Second St., San Francisco, CA., 94107. Only one entry per person will be accepted and must be received by midnight October 15, 1986. To win you must comply with the competition rules.

COMPETITION RULES:

- Entries must include the information above to be eligible. No responsibility is assumed for lost or misdirected mail. Entries are not returned.
- This competition is open to all customers of The Catalog and must be created by one of the graphic programs featured in The Catalog.
- Winners will be notified by mail, and must claim their prize within 30 days or an alternate winner will be selected.
- All federal, state, provincial, and local taxes and gift rules will be the responsibility of the prize winner. Winners may be required to execute an affidavit of eligibility and release.
- All prizes will be awarded. Prizes are non-transferrable and not redeemable for cash. No substitution of prizes.
- Selection of winners will be conducted by the producers of The Catalog, whose decision will be final. No correspondence will be entered into and all entries become the property of The Catalog.
- Entrants grant to The Catalog, without limitation, the right to use their names, likeness, and competition entry for any advertising and/or marketing promotion purpose.

WHY THE CATALOG™ IS THE BEST PLACE TO SHOP FOR YOUR SOFTWARE

EASY ORDERING—24 hour TOLL FREE ordering. 800-443-0100 ext. 133

AVAILABILITY—No matter where you live, if you have The Catalog you can get software!

PRICE—Software in The Catalog is competitively priced. The best value, dollar for dollar!

EXCELLENT QUALITY—The Catalog features only products that have passed our rigorous endurance test. You get software that goes the distance.

NEW—The Catalog features new products with every new issue.

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AWARD WINNING SELECTION—The Catalog has the best in approved third party products from Award-winning companies.

CUSTOMER SUPPORT—At The Catalog, you come first. Our products are guaranteed! Technical problems? Our Customer Service Specialists are ready to help you.

DEALER SUPPORT—No middleman here! Talk to the boss and buy direct! A customer has a question? Our customer service department is only a phone call away.

TO ORDER: CALL TOLL FREE (800) 443-0100 EXT 133. This number has been dedicated to order-taking only. Please refer to the product code (e.g. ST0202) listed with each product.

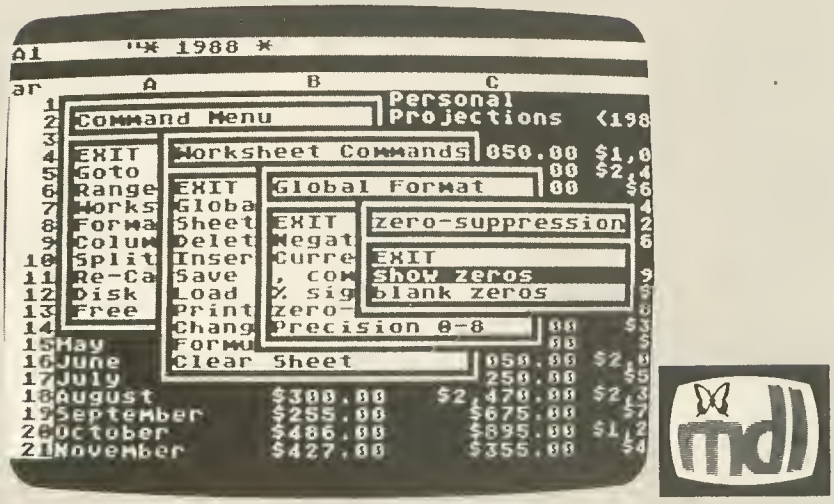
FOREIGN AND ALASKA: Please call or write our corporate headquarters listed below in Customer Service.

CUSTOMER SERVICE: Write or call:
The Catalog Customer Service, 524 Second St., San Francisco, CA, 94107. (415) 957-0886 M-F 8AM-1PM Pacific time. Please include your name, address, daytime phone and a clear explanation of your inquiry. Technical questions require hardware configuration information. Retain all receipts and payment methods.

COMPUSERVE: Log on to ANTIC ONLINE. Type GO ANTIC for new product information, The Catalog, On line Customer Service and Ordering.

Programmable Spreadsheet Package. Uses all 128K RAM on the 130XE!

CALC MAGIC



by Metamorphosis Development

Own an XL or XE? If so, CALC MAGIC is the electronic spreadsheet you've been waiting for. It offers the speed and sophisticated facilities of more expensive programs on the Atari ST, Macintosh, and IBM PC—for under $25.

Now, with CALC MAGIC, you can really "control" a spreadsheet. Initiate complex processing, do high-level "what-if" analyses, print formatted data, load and modify spreadsheets—all with professional results.

CALC MAGIC features include:

■ Built-in PROGRAMMABLE LANGUAGE allows you to "RUN a special program sequence"—reducing your keystrokes and allowing non-technical persons easy access to CALC MAGIC power.

■ The ability to quickly test multiple "what-if" conditions and determine beforehand the actual effects on the "bottom line".

■ SPLIT-SCREEN display and unique POP-UP MENU WINDOWS let you choose commands easily, avoiding complex character sequences (emulates Sun Workstation menus).

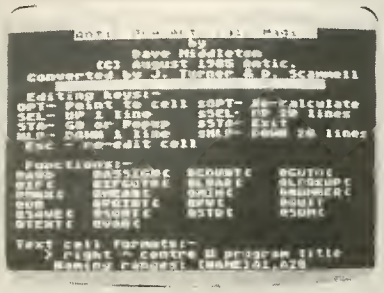
■ Reduce typing entry errors. CALC MAGIC uses a simple "POINTING" METHOD to reference other parts of the spreadsheet.

■ Printer features include: programmable page width, line feed, and page eject. Also printer initiation codes—for condensed or normal print.

■ MATH FUNCTIONS: CALC MAGIC offers advanced financial and statistical functions including: MEAN, STANDARD DEVIATION, VARIANCE, etc—useful in probability analysis and prediction calculations. Plus normal functions such as SUM, SQUARE ROOT, MINIMUM, MAXIMUM, COUNT, PRESENT VALUE, and more.

NOW! SUPPORTS .DIF FILES.
Last month's Catalog said that CALC MAGIC did not support the standard .DIF file format. Well, luckily, that was wrong. In a burst of programming genius, the British wizards created the complex file conversion routines especially for the ANTIC version. It was too late to change the catalog, but not too late to change the disks. All of the CALC MAGICs that we have shipped support this important spreadsheet standard. And at no increase in price.

"Super-fast spreadsheet power & features, presented in a much easier-to-use, programmable package. . . Just right for any XL or XE owner."



■ Complete documentation, with on-disk examples.

AP0177 **$24.95**

REQUIRES: XL or XE computer with 64K RAM minimum.

NOTE: CALC MAGIC is the most powerful spreadsheet ever developed for the Atari Computer. Just released in England under the name SWIFT for the Atari, IBM, Apple, and Commodore, CALC MAGIC is one of the most useful business tools we have ever seen. And it's under $25!

TOLL FREE
Credit card holders, call toll-free, 24 hours-a-day
800-443-0100, ext. 133 (Continental U.S. and Hawaii)
ORDERS ONLY!

NEW! MPP and 1030 VERSIONS

NOW, BBCS SUPPORTS 130XE RAMDISK

BBCS II
BULLETIN BOARD CONSTRUCTION SET

by Scott Brause
CompuServe ID: 76703,2000
Now, you can use the best Atari bulletin board system with EVERY KIND OF MODEM. BBCS II has versions for the MPP 1000-series and XM301/1030/835 modems (in addition to the Hayes).

CUSTOMIZE YOUR BBS

Use the four BBCS editors and create your own powerful, customized BBS. 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.

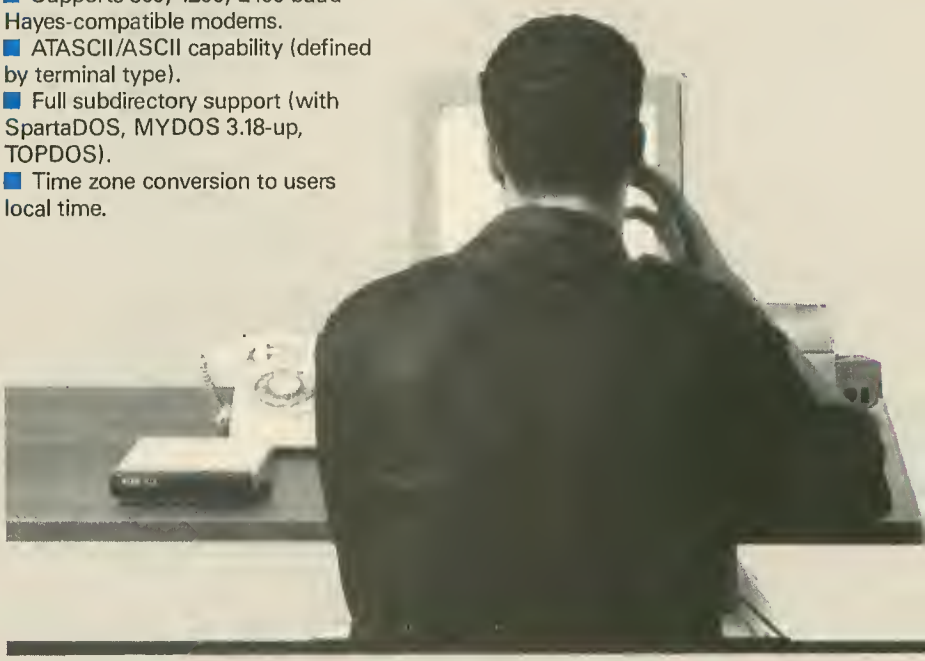
PLUG IN THE WORKS

Choose the hardware configuration you want: supports 130XE and Axlon RAMdisks, ICD P:R: Connection and R-TIME cartridge, Hayes Chronograph, Supra hard disk interface, and most Atari DOS's in most densities.

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

- 65,792 security levels (plus privilege levels). Each level determines what the user will and will not see, plus access to a given area.
- Users can hit a key in the middle of a menu update, and if it is a valid function it will execute immediately.
- Xmodem upload/download.
- Downloadable files may be set up 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. Full-featured email editor has search-and-replace functions.
- Screen is word-wrapped for users.
- Time each user is allowed on is selectable.
- Userlog entries may be marked blacklisted to auto log-off problem users, or they may be tagged to buzz sysop upon log-on.
- Status window on line 1 to convey important information.
- Positively, absolutely, no back doors.
- 100% machine language.
- Supports 300, 1200, 2400 baud Hayes-compatible modems.
- ATASCII/ASCII capability (defined by terminal type).
- Full subdirectory support (with SpartaDOS, MYDOS 3.18-up, TOPDOS).
- Time zone conversion to users local time.
- Better user reporting for sysop. Over 30 kinds of info for sysop-definable reports.
- Delete user passwords by date.
- RAMdisk write-back to eliminate data loss by power failure.
- Wild card search capability for users searching the message base.
- One-user/one-vote per survey.
- External chat bell support for XL/XE owners.
- Much faster message base access.
- Better defaulting for users reconfiguring their own terminal type.
- For programmers, vectors are published and available in XLBOOT.COM to make it easy to write add-on programs (e.g. games) in assembly language.

Hayes-compatibles AP0146 $24.95
Atari 1030/XM301 AP0153 $24.95
MPP1000-series AP0181 $24.95
NOTE: 1030/835 modems require ring detectors (less than $7). Instructions included.



SEE SPECIAL 850 INTERFACE MODEM CABLES ON PAGE ST 15. $19.95

MPP HAYES 1030/XM301

The only programmable 800/XL/XE terminal software available.

BACKTALK 1.2

by Steve Ahlstrom, Dan Moore and Don Curtis

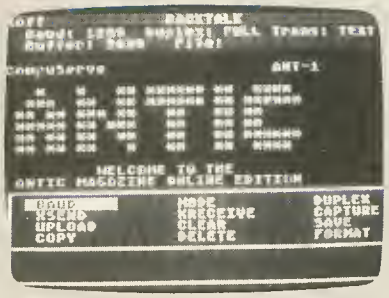
When you've got BACKTALK, you're using the most advanced modem program ever written for an Atari 8-bit computer. Why? Because it's *PROGRAMMABLE*. BACKTALK uses Crosstalk™-like "script" files that tell the computer what to do for you.

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, if you want, set them up to 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!

PROGRAMMABLE POWER

BACKTALK's Macro Command Language (MCL) will turn your Atari into a telecommunications droid. Write an MCL program for it to dial up and log on to a list of on-line services or BBS's. Once on, it can read mail, upload or download files, log off, and dial the next one. Using this technique (nicknamed 'Broadcasting'), you can send messages to hundreds of bulletin boards—automatically reaching THOUSANDS of people. Start your own advertising business using BACKTALK and BBS's!

Three protocols: Xmodem (with or without CRC), Amodem (Atari-style Xmodem), and Xon/Xoff (plus, you can now download .BIN files from CompuServe without using Tscope). Supports 300, 1200, and 2400 baud modems, ASCII/ATASCII translation, and full or half duplex. CB "chat" text window provides clean, uninterrupted communication during on-line conferences. Fine-scrolling text feature definitely reduces eyestrain. And the friendly pop-up menu makes entering commands a snap.



TOTAL MODEM COMPATIBILITY

Now, you can use BACKTALK with EVERY MODEM. Supports Hayes-compatibles, Atari 1030/XM301, and MPP1000-series. There is even a way to load your own modem handlers. 130XE owners will love the way BACKTALK can download files into the RAMdisk—saves money.

AP0154 **$19.95**

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

Crosstalk™ Microstuf ,

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™

HOMEPACK 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 **$49.95**

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**

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VISA **800-443-0100, ext. 133** (Continental U.S. and Hawaii)

ORDERS ONLY!

TRAVEL TO THE STARS!

"Feed your imagination a banquet!"

ORBIT—A TRIP TO THE MOON

by John D. Reagh

Boot Up and Blast Off!

Simulate a trip to the moon!

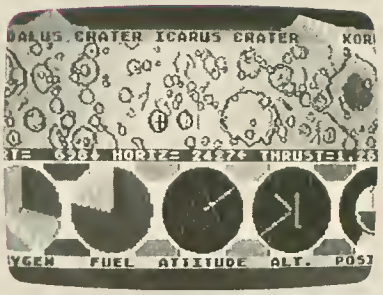
Control your simulator with your joystick. While in Earth orbit, dock with the space station. Or use your radar and intercept the target drone. Your objective is to enter a near circular, low altitude lunar orbit—then detach the lunar landing module and descend to the moon's surface. But it's not that easy . . .

- Adjustable magnification mode gives variable earth views. View the moon out your porthole while landing.
- 92× real-time simulation includes life-support system emulator. This is a serious simulation of a true mission.
- Scan your targets with the radar mode.
- Fuel consumption, rocket throttle, oxygen supply, orbital position, altitude, radar scope, graphic display and more.
- On-board ships computer calculates planetary orientation. Experiment with different radial velocities and orbital constants and instantly see your newly-plotted course on the high-res screen.

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

REQUIRES: 48K RAM, Joystick

AP0168 **$15.95**



BEST SELLER



"Makes Astronomy Fascinating!"



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

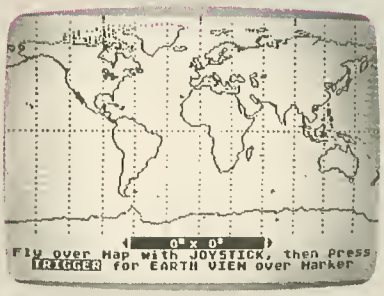
AP0142 **$19.95**

"Perfect for Geography, Science, HAM Radio, History & Current Events"

EARTH VIEWS

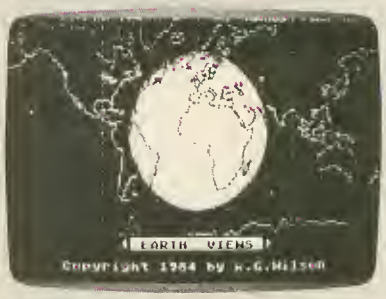
by R.G. Wilson

EARTH VIEWS is a WORLD ATLAS!—An electronic world GLOBE!—An exciting adventure game! Yes, It's all 3 in 1: An ATLAS, a GLOBE, a GAME! Call up 250,000 different maps and views of the earth **instantly** at the touch of a button! Includes detailed hi-res maps and projections linked to a giant "Gazeteer Of WORLD PLACE-NAMES".



Mercator Projection

In the "GAME" Section: You fly into the Bermuda triangle—Go on quests to exotic places—On your search for Fame, Fortune and Happiness! A built-in HELP feature guides you. Detailed screen displays of longitude and latitude, lots of colorful information.



Rotating Globe
Cylindrical Projection with Orthographic Overlay

REQUIRES: 48K RAM, One joystick

AP0141 **$19.95**

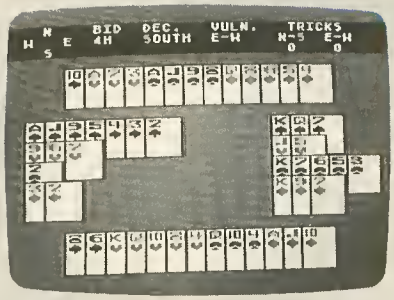
A complete, tournament-level, computerized bridge simulation, featuring full-color graphics and joystick control.

BLUE TEAM BRIDGE

by Walt Huber

- Learn To Play.
- Learn To Bid.
- Play To Win!

Do you want to learn to play bridge, but no one will take the time to teach you? Ever wish you could play bridge more often, but don't have all night—or can't find enough players? Do you want to improve your bridge game? Get BLUE TEAM BRIDGE.



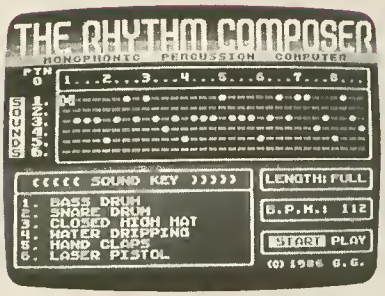
New players can immediately learn an advanced style of bidding. Advanced players can learn new bidding conventions to sharpen their skills. All will have a worhty competitor when you can't "get a foursome together." BLUE TEAM BRIDGE is a new level of computer bridge with Standard American bidding enhanced with Jacoby Transfers, Roman Two Diamonds, Gambling 3 No Trump, Michaels Cue Bid, Blackwood, and much more. And BLUE TEAM BRIDGE plays hands as well as it bids them. Your favorite game is always at your fingertips.

REQUIRES: 1 joystick

AP0178 **$15.95**

NOTE: BLUE TEAM BRIDGE is a fine example of well-written software-educational, very playable with plenty of realism and beautiful graphic displays.

The card game of royalty. . . and society.



Create a different drummer.

THE RHYTHM COMPOSER

by Glenn Gutierrez

The Rhythm Composer is a DRUM MACHINE that lets you create and edit drum sequences and then play them back in any order. Think of this program as the ultimate, programmable, drummer. Ideal for you—or any member of your family who plays a musical instrument.

Excellent for the composer to experiment with complex **polyrhythmic** patterns, for the professional to lay down some rhythm tracks, or for the beginner as an **accompaniment** tool to develop rhythm.

RHYTHM COMPOSER FEATURES:

- Up to ten patterns in memory at once. Mix the patterns to create songs which you can save to disk. Vary the tempo or time signature at any time.
- SIX user-defined drum sounds are available at a time.
- Colorful graphics display makes composing a snap.
- All PATTERNS, SONGS, and DRUM SOUNDS can be saved to disk for later use or for print out.
- SounDesigner (included) creates **your own** drum sounds. Control pitch, volume, and distortion envelopes. Comes with ready-made "patches" for Bass Drum, Snare, Open and Closed Hi-Hat, Cow Bell, 3 different Toms, hand clap, synth drum, and others.
- Complete user documentation.

OPTIONAL ACCESSORIES: Audio amplification device.

AP0180 **$15.95**

Great moves . . . for all level players.

COLOSSUS CHESS 3.0

The *Ultimate* Computer Chess.

by Martin Bryant, English Software UK

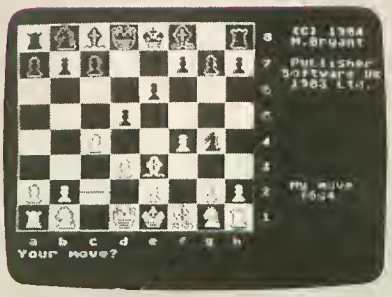
Here's a chess program with all the moves of a *chess master*, a *great chess tutor* or a *master tournament opponent*. Whether you're a beginner or a pro, COLOSSUS CHESS 3.0 is for you.

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).

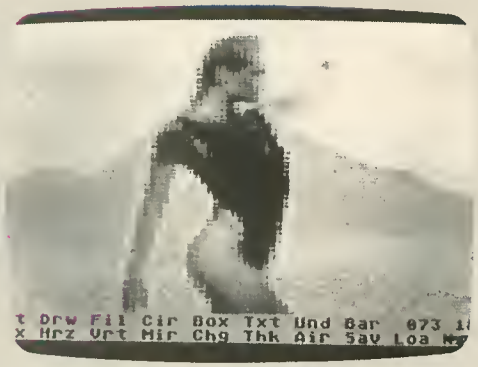
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Credit card holders, call toll-free, 24 hours-a-day
VISA 800-443-0100, ext. 133 (Continental U.S. and Hawaii)
ORDERS ONLY!

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 20), 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**

VISUAL TREATS!

"Ignite Your Imagination!"

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. And GRAPHIC SHOP has an easy to use menu system similar to the fabulous, friendly Print Shop.

OPTIONAL: RAMbrandt (AP0157)
REQUIRES: Print Shop
AP0156 **$19.95**

Print Shop™ Broderbund Software

The RAMbrandt of character graphics.

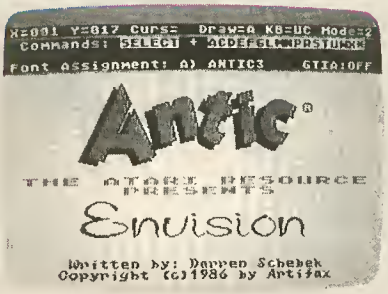
ENVISION

NEW!

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
AP0185 **$19.95**

Play computer graphics like an instrument. New pixel technology!

COLOURSPACE

by Jeff Minter, Llamasoft UK
Written in machine language

QUESTION: What is Colourspace?
ANSWER: A program to do for light what a music synthesizer does for sound.

Your keyboard is used to select and adjust parameters (42 factory presets and 80 programmable presets). The joystick is used for actual playing.

Up to an *hour's* worth of joystick input can be recorded and then played back. During playback you can adjust parameters, change presets and *instantly* judge the effect. (ex. a sequencer and four burst generators can be programmed for explosion effects.) All presets, light-form primitives, etc., *and* the joystick



input can be saved to special tape files. Over fifty commands (without including presets). Special "Duet" mode lets you and a friend compose together at once. Plus, use "Overdub" mode for double-tracking. Even draw your own pictures and compose on top of them.

Just Look!
42 factory presets include: curved screens, hardware reflections, interlace effects, stroboscopics, "Ooze" for pulsating pixels (variable speed and pulse width), Vector mode tracks color to 32 different trace angles, "Speed Boost" accelerates pixel rates. Even alter the shape of the light elements!

COLOURSPACE is fascinating all by itself. But if you really want to get creative, boot it up and put on some good music! Access the colorful power of the Atari computer. At last, the *ultimate creative lightshow*!

REQUIRES: 48K RAM, Joystick
AP0166 **$15.95**

NOTE: We found COLOURSPACE on a licensing trip to England last September. The software is so elegant and unusual that we *had* to bring it back to the States. *Personal Computer Games* magazine said COLOURSPACE ". . . looks like being one of the greatest entertainment programs ever."

TOLL FREE
Credit card holders, call toll-free, 24 hours-a-day
VISA 800-443-0100, ext. 133 (Continental U.S. and Hawaii)
ORDERS ONLY!

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.)

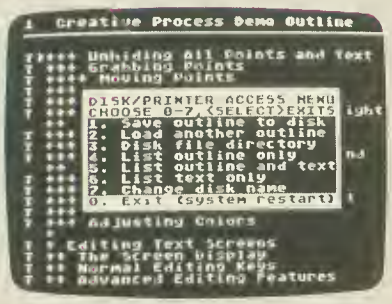
OPTIONAL: One Joystick or Trackball Controller
AP0130 **$19.95**
130XE version: Includes Word Magic, Graphic Magic *and* Spell Magic:
AP0160 **$29.95**

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 1.7

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 (AP0130)
AP0151 **$19.95**

XL/XE owners! Your Atariwriter™ cart. can now be your *ultimate productivity tool.*

MICROBASE+ For AtariWriter

by Chipsoft UK

Want to see something amazing? Put your Atariwriter cartridge into your XL/XE and boot up MICROBASE+ in your 1050 disk drive. You're now using the *fastest*, most powerful *mail-merge* utility ever created for the Atari. This program is designed to make life super-simple for anyone who's keeping mailing lists and wants to use them with Atariwriter. It is not a full-featured database, but because we've designed it for mail-merge, it's *fast*. Everyone will love the extremely versatile search functions. Plus, 130XE owners will appreciate the one-pass backup program, eliminating disk swapping.
REQUIRES: 64K or 128K XL or XE computer, Atariwriter cartridge,
AP0172 **$19.95**
Atariwriter™ Atari Corp.

NOTE: We found that MICROBASE+ gives us incredible power to communicate with all the different lists of people we send mailings to from Antic. The British developers have outdone themselves.

"For Business, Fine Arts, Engineering, Computing!"

SCREEN PLOT

by Robert Wilson and Michael Reichmann

Now you can easily transfer color Atari screen graphics to paper. Supports Atari 1020 color plotter, Radio Shack CGP-115, Mannesmann Tally Pixy 3, Sweet Pea color plotters. Plot in different sizes; modify aspect/display ratios; display pictures and preview pen colors on screen. Special "superimpose" option stacks one plot on top of another. Generate drawings on screen with Rambrandt, Micro-Illustrator, Atari Artist, Atari Graphics, Atari Paint, Atari World or Micro-Painter. Then print them out in color! It's easy with SCREEN PLOT! Includes source code to teach how plotter drivers are written.

REQUIRES: One of the above-listed plotters.

AP0135 $12.95

"Minicomputer power—now your documents can look like the pro's."

THE PRINT TOOL

by Marshall D. Abrams Ph.D.

Control exactly how you want text laid out on a printed page or on a screen. THE PRINT TOOL is an Atari conversion of RUNOFF: the document formatter/compiler previously available only on DEC PDP-11's and VAX's. Automatically generate a table of contents, footnotes and index. Make slides for audiovisual presentations. Automatic section, chapter, appendix and page numbering. Use it for any size document—it outputs word plus line count. And much more! Compatible with every text editor/word processor. Students use THE PRINT TOOL for thesis formatting. Teachers use it for class materials—the same source can be used for slides and outlines. Plus, more professional programmers use it for documentation than *any other* text formatter.

REQUIRES: Any text editor (such as WORD MAGIC/AP0130)

AP0148 was $19.95—on-sale **$15.95**

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

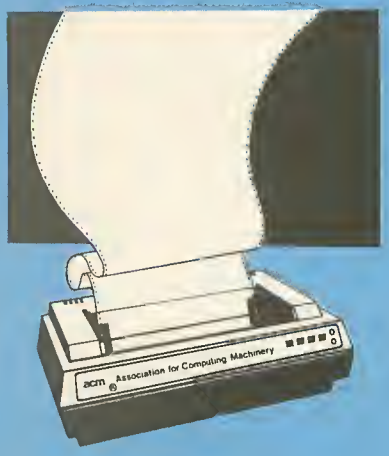
Non-Standard Magic!

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

SPECIAL CABLES FOR YOUR 800 ONLY $19.95 SEE PAGE ST 15.

PRINTER DRIVER CONSTRUCTION SET — For AtariWriter™

by John Eric Hinckley

Build your own printer drivers for AtariWriter! Now AtariWriter is totally compatible with every printer. Comes with 12 preconfigured drivers on disk, including: Epson FX-80/MX-80, Gemini 10X, NEC 8023, C.Itoh Prowriter, Atari 1027, and Brother HR-25. Get improved utility from AtariWriter and your printer! Finally, you get all the features you need with your printer: Elongated text, centering, up to 3 different type fonts, proportional spacing, underlining, superscript, subscript, and blocked right text. Includes demo file to show what functions are seen by your printer and special control-code prompts for quick one-time configuring of your custom printer driver.

REQUIRES: AtariWriter cartridge, any Atari-compatible printer.

AP0131 $19.95

Atariwriter™ Atari Corp.

TOLL FREE

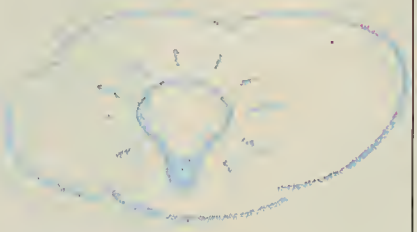
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READ FASTER

Understand More!
Save Time!
Save Effort!



SPEEDREAD+

by Eagle Software

SPEEDREAD+ teaches you to read faster with less effort. Just load the program, answer the questions and read the provided text. Now you're reading faster. And *retaining MORE!* Expand you reading skills! Uses time-proven "Tachistoscope Method" recognized as effective by reading teachers for years.

SPEEDREAD+ features include:

- Four modes for reading text chosen specially to develop: high reading speeds, proper eye movement and timing, peripheral vision, single column reading skills.
- Excerpts from three classical texts included on disk: "The Legend Of Sleepy Hollow, Rip Van Winkle, The Outcasts Of Poker Flat." No typing necessary (but you can add more if you want).
- You can vary: Phrase mode (standard/random/double), Length, Width, flash rates and repeat modes.

Special APPENDIX includes tips to help slow readers, guidelines, and more.

REQUIRES: 48K RAM, Joystick
AP164 **$19.95**

"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

KEEP IT ORGANIZED

"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**

The most unusual and ergonomic database available.

HOMECARD

by Russ Wetmore and Sparky Starks

HomeCard is really a simulation. It is the most elegant card file you have ever seen. Yet it is more than just a card file. HomeCard is a computerized version of an ingenious 19th century mechanical information retrieval system. This mechanical analogy makes HomeCard very simple to use and extremely powerful. It is as easy as a rolodex and as powerful as a computerized database (after all that's what it is). Add to this power the most flexible printer formatter ever seen on an Atari (requires the 850 printer interface). And HomeCard also has an instant telephone auto-dialer. It will dial through your modem or if you don't have a modem (yet), it will dial through the TV speaker! This information management system has it all. It is absolutely perfect for business- and sales-people who spend a lot of time on the phone. Ideal for User Groups, schools, organizations, and homes.

AP0175 **$19.95**

REMEMBER MORE

MEMOREASE+

by Eagle Software

Learn how to memorize efficiently and quickly. Retain more. Uses a tested Gradual Recall technique. Based on well-known psychologist B.F. Skinner's work.

Many operational modes:

—Memorize Speeches
—Poems
—Facts
—Prose of any kind
—Memorize Vocabulary
—Definitions
—Comparative Statements
—Languages
—Any flash-card information!

MEMOREASE+ features include:

- Two text modes: Full page memorize and split page memorize.
- Split page quiz allows a special flash-card review of material.
- Text page editing for addition or deletion of text.
- User adjustable page colors.
- Excellent documentation with memory tips and techniques.

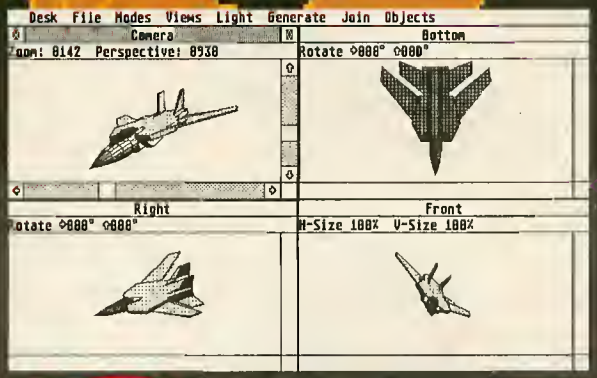
REQUIRES: 48K RAM
AP163 **$19.95**

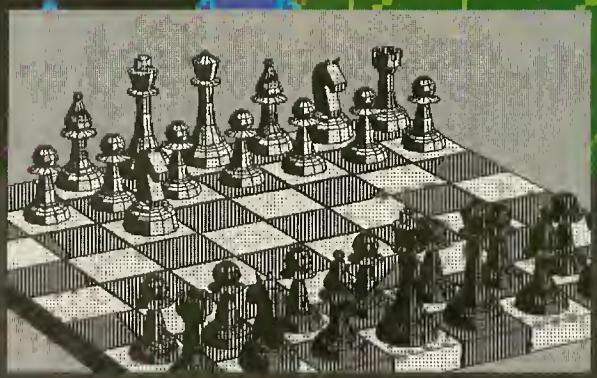
NOTE: Finally, after a year of trying, we've made MEMOREASE+ and SPEEDREAD+ an excellent value. They were each recently sold by another publisher for over twice our low price!

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THE CATALOG™

QUALITY ST SOFTWARE





BEST SELLER

The author of DEGAS™ enters a new dimension.

Tom Hudson's CAD-3D™

A full, three-dimensional modeling station for your ST. Solid modeling, with shading from three adjustable light sources, plus wireframe and hidden surface dimensional sculpting—*you name it.* All your 3-D graphics fantasies have been poured into the power and speed of the ST's 68000. So step on the gas and take off!

From starships to solar systems, skyscrapers to your front stoop. Create and animate views of your own 3-D objects. And no keyboarding here—CAD-3D is entirely GEM-based. It's got to be seen to be believed.

DESIGNERS: You now have power at your fingertips that was previously available only on systems costing $30,000 or more. *Visualize ideas instantly*—speeds up design process.

DOODLERS: Easy to learn, easy to use. *Create the ultimate in dimensional scenes.* Then detail them with any ST paint program.

CAD-3D features include:

- Works with monochrome or color monitor. Monochrome mode gives 16 levels of shading, color gives choice of 1 color/14 shades or 2 colors/7 shades each.
- View objects in see-thru or hidden wireframe form or *solid form with true light shading.* Change object form with one mouse click.
- Three independent user-defined light sources plus ambient lighting.
- Built-in 3D primitives (cubes, spheres, toroids, wedges).

continued on next page

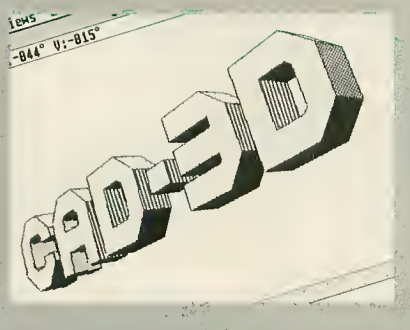
- ☐ *Automatic* JOINER creates more complex objects:
  ADD objects together
  SUBTRACT one object from another
  AND objects (retains only the intersection)
  STAMP one object on another
- ☐ Create radially symmetrical objects or expand 2D shapes into 3D shapes with one mouse click.
- ☐ *Animation capability*—"record" view sequences for viewing with separate display program (included).
- ☐ Spin and Extrude functions allow even the novice 3D experimenter to create a wide variety of beautiful shapes (includes 'Snap To' grid).
- ☐ Independent scaling and rotation of objects or groups of objects.
- ☐ "Camera View" includes zoom lens and variable perspective.
- ☐ GEM user interface allows use of four views at once, or one large view. Four-view mode is user-definable.
- ☐ Save completed images in DEGAS, Neochrome or COLR Object Editor format.
- ☐ Print your objects with a graphics printer.
- ☐ Detailed illustrated user manual.
- ☐ Sample complex objects included, featuring Ian Chadwick's *STONEHENGE* (circa 1100 BC).

Requires TOS in ROM
ST0214 **$49.95**

DEGAS™ Batteries Included

INCREASE YOUR DESIGNING POWER WITH CAD-3D ACCESSORY DISKS!

FONTS, PRIMITIVES, HINTS AND TIPS: NEW!

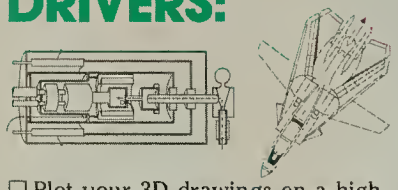


- ☐ Create logos, signs, 3D letterheads and more with 3D fonts. Includes upper and lower case alphabet, numbers, and symbols.
- ☐ Useful 3D 'primitives'—these building blocks speed up the design of large-scale models.
- ☐ Sample models and a file of Tom Hudson and Ian Chadwick's hints and tips on how to make complete digital scenes with CAD-3D.

AVAILABLE OCTOBER 1ST
ST0224 **$24.95**

See pg. ST-16 for Tom's CAD-3D Collection I. Only $12.00!

PLOTTER AND PRINTER DRIVERS: NEW!



- ☐ Plot your 3D drawings on a high-resolution pen plotter for a truly professional look! Supports Hewlett-Packard (and HP compatible) plotters. Also includes custom printer drivers for all popular dot-matrix printers.

AVAILABLE OCTOBER 1ST
ST0225 **$24.95**

A Full Function Relational DataBase
REGENT BASE™ NEW!



by Regent Software

You don't need to be a dBase III programmer to use this database. Perfect for the small business owner or for personal productivity and it's GEM-based.

REGENT BASE's procedural language makes it a natural for handling any small business need. Modules are available for Invoicing, Accounts Receivable, Checkbook Balancing, General Ledger, and more.

This relational data base is written specifically for the Atari ST. Don't settle for simple clones of IBM products. **REGENT BASE** is easy to use and state-of-the-art!
Unique to **REGENT BASE** is the use of B+Tree Indexes. Multiple fields within a **REGENT BASE** table may be indexed for quicker access. Use the Bridge program to move and merge other database information. Sort, file, mail-merge, select up-graded word processing functions, unlimited records and indexes per table.

REGENT BASE runs efficiently on hard or floppy drive systems and supports 15 printer types.

Recommended—
1 Megabyte RAM
TH9003 **$99.95**

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ORDERS ONLY!

Pure telecommunications power...Realized.

BEST SELLER

FLASH™

Version 1.1

by Joe Chiazzese and Alan Page

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

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



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

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

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

Want to take telecommunications to the outer limits of your imagination? All you need is **FLASH** and a modem to get you there. We wanted the *ultimate* in telecommunications for the Atari ST. And it had to be affordable.

We couldn't wait. We built it. ...Plus, it's GEM-powered.

Now you can have the automation features and VT100 terminal emulation of Crosstalk™ on the IBM and the intuitive mouse/window interface of Smartcom™ on the Mac. Plus, the built-in GEM-based word processor is integrated with the capture buffer—to give you a scrollable, editable history of every online session.

You can have all of it *now*, for under $40. Plus, we'll give you $15 of CompuServe connect time ***FREE!*** (Effectively bringing the cost of the software down to under $25!)

FLASH features include:

- ☐ Built-in GEM mini *word processor* (features block move, undo, search, merge files, and more)
- ☐ Review your online session. Scroll through it at high speed—edit it, print it, transmit all or part of it, save all or part of it to disk. Huge capture buffer automatically adjusts to fill available RAM.
- ☐ Create "script" files that automate *any* operation—log-ons, file transfers, "broadcasting," email collection, etc. (69 powerful commands)
- ☐ Execute a complete online session with *one* mouse-click from the desktop.
- ☐ ANSI VT100 and VT52 cursor and keypad editing emulation (full 24 line×80 character smooth scrolling display).
- ☐ CompuServe Vidtex high-resolution graphics terminal emulation. Save Vidtex graphics as DEGAS files and use them as *clip art!*
- ☐ Supports Xmodem (CRC & Checksum), DC2/DC4, and ASCII TEXT file transfer protocols.
- ☐ Ultra-reliable. **FLASH** features *bullet-proof* file transfers to and from CompuServe (and other packet-network online services) at speeds up to 9600 baud.
- ☐ Extensive DOS functions at your fingertips. Two clocks: built-in real-time system clock and elapsed timer.
- ☐ Unlimited banks of twenty programmable function keys, which can be linked to script programs on disk.
- ☐ Translation tables can independently filter any incoming or outgoing characters.
- ☐ Detailed 50-page user manual by Ian Chadwick, including complete reference guide.

ST0220 — **$39.95**
Crosstalk™ Microstuf — Smartcom™ Hayes

FREE OFFER! Here's what you have access to on CompuServe as soon as you receive your copy of **FLASH:**

■ **ATARI 16-BIT FORUM:** The best ST PD software, support, and gossip.

■ **ATARI DEVELOPERS FORUM:** Official Atari support, and talk of the trade.

■ **ANTIC ONLINE:** Hot news, special articles never released in print.

■ **VIDTEX GRAPHICS:** Hundreds of pictures. Everything from Hollywood stars to the FBI's most wanted. Outrageous stuff—*the ultimate clip art library!*

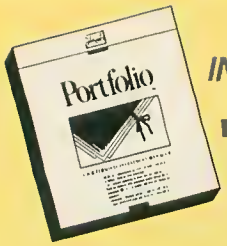
KERMIT SERVER & REMOTE CONTROL ACCESSORY

NEW!

Adds the Kermit file transfer protocol to **FLASH.** Plus, you can now call your computer from anywhere in the world and have control over: disk directory, send/receive Xmodem, send/receive Kermit, Kermit server, and upload/download text files. Your system is secured with real password protection. *Perfect for sales, business, and school.* Now you can use your ST from your office or while you're on the road.

AVAILABLE OCTOBER 1ST

ST0226 — **$24.95**
Requires FLASH



INTEGRATED FINANCIAL SOFTWARE FROM BATTERIES INCLUDED

THE ISGUR PORTFOLIO™

ANTIC AWARD

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 managment 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**

D.E.G.A.S.™

BEST SELLER

by Tom Hudson



DEGAS features all the artistic tools that you may need including:

- ☐ Unique dual-screen GEM interface makes **DEGAS** intuitive and fun to use.
- ☐ Works in any resolution.
- ☐ Numerous functions to create and draw lines, rays, circles, boxes, or frames. Create perfectly straight lines or beautiful circles automatically.

PLUS ADVANCED GRAPHIC DESIGN FEATURES:

- ☐ An airbrush effect that lets you control the "paint flow."
- ☐ Automatic "Fill" function. Fill any outline instantly.
- ☐ Create "Fill" patterns.
- ☐ Instant Mirror Image, in any direction.
- ☐ Automatic Shadow or Border, you control the width and the angle.
- ☐ Zoom window lets you work with fine-detail designs.

PLUS NOW YOU CAN INTEGRATE WORDS WITH YOUR VISUALS.

- ☐ Use the Text feature to add words to your art.
- ☐ Choose the character weight and size from various fonts, or create your own with the font editor.

Now you have the power to reach the third dimension with your **DEGAS** pictures using the powerful **CAD 3-D** system on page ST-1.

TH9008 **$39.95**



A spelling checker that is lightening fast!

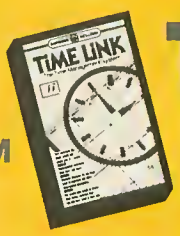
THUNDER™

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 on page ST-3, A-CALC on page ST-5, and many more GEM software titles.

TH9011 **$39.95**



TIMELINK™

Take A Second For Time Management

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 the handy elegant, time-saving tool.

TH9010 **$49.95**

TOLL FREE

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800-443-0100, ext. 133 (Continental U.S. and Hawaii)

VISA MasterCard

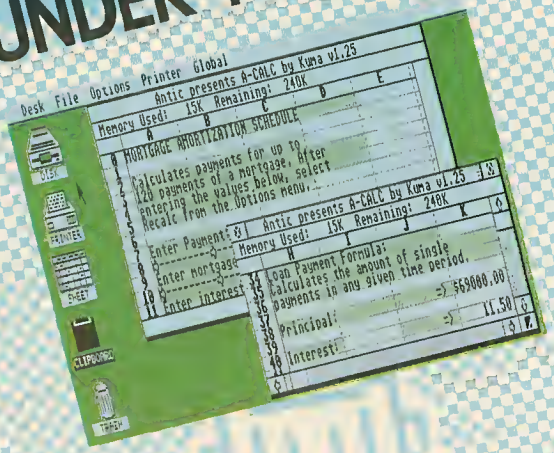
ORDERS ONLY!

A-CALC™ by Kuma

BEST SELLER

A FULLY GEM-BASED SPREADSHEET FOR UNDER $60.

The first mouse-driven spreadsheet for the Atari ST computer system. A-CALC's GEM interface is exceptional. For example, load a spreadsheet simply by dragging the disk icon over the sheet icon. Imagine how *easy* it is to merge a file from disk by dragging the disk icon into the appropriate cell.



Version 1.50

by Kuma Systems, Ltd., U.K.

A-CALC's dozens of features include:

- ☐ Primarily mouse/icon driven. Keyboard or ten-key calculation entry.
- ☐ Math functions include all standard algebraic and trignometric functions for performing financial and statistical analysis.
- ☐ Up to five windows can be open at once.
- ☐ Spreadsheet capacity of 256 columns × 512 rows (128,000 cells).
- ☐ Cells, blocks, rows, and columns can be copied, moved, saved, printed or deleted with the mouse.
- ☐ Special WIDE-VIEW function permits half-size text display to let the user see more of the sheet at one time, in color or monochrome.
- ☐ SEARCH for the location of any text string in the sheet. GOTO command jumps to any cell.
- ☐ Clipboard for temporary storage of block, row or column of cells which can be transferred to another spreadsheet.
- ☐ Powerful printer formatting commands. Comes with an easy-to-use GEM-based printer installation program for any parallel or serial printer. Customize your spreadsheet with the following:
  - headers/footers
  - horizontal/vertical dividers
  - selectable form feeds
  - selectable page break
  - send printer-specific control codes
  - character translation
  - loading and saving printer configuration files
- ☐ Includes on-disk spreadsheet examples.
- ☐ Worksheets are compatible with all popular word processing software. Plus, A-CALC is .DIF compatible with other spreadsheets.
- ☐ "Sparse matrix" spreadsheet design *maximizes available memory.* Create extra-large spreadsheets with RAM to spare.
- ☐ Cells can be protected from tampering —locally or globally.
- ☐ First-ever use of "Dynamic icons" makes operation totally intuitive.
- ☐ Includes illustrated manual.

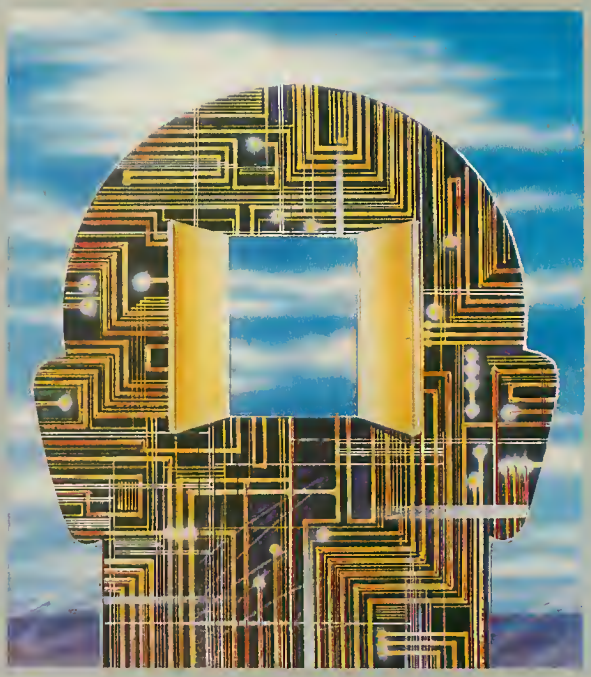
ST0212 **$59.95**

A-CHART, THE solution for presentation-quality graphics, will be available in early October. Check for availability with your local retailer.

ARTIFICIAL INTELLIGENCE

"That's right! Expert Systems, the artificial intelligence tool for business, industry, and problem-solving. The latest in knowledge engineering."

EXPERT OPINION™



Fifth-generation. Artificial intelligence. Now, with **EXPERT OPINION**, you can be creative in this growing new field...without having to learn a complicated language like Prolog or Lisp.

Be The First...

EXPERT OPINION is the *first* general-purpose expert system creation package for the Atari ST. Expert systems are collections of natural language rules that you create, database-style. Your "knowledge bases" can be about any subject. **EXPERT OPINION** will give you new insight and advice about your expertise. And, because **EXPERT OPINION** uses the GEM interface, the system is remarkably simple to use. Currently, expert systems are used in the fields of medicine, computer science, economics, and geology.

YOU CAN BUILD YOUR OWN KNOWLEDGE BASE WITH THE INCLUDED MANUAL AND SUGGESTED SUPPLEMENTARY READING MATERIAL.

Mainframe Power In Your ST...

Once you've built your knowledge base, **EXPERT OPINION** is easy-to-use because it's based on a powerful natural language interface, so you can give your input—and get your answers in plain English. Plus, it is the only expert system presently available for micro-computers which can clearly explain why a particular question is being asked (it backtracks up to 10 levels).

EXPERT OPINION's "inference engine" solves problems three ways:

- ☐ **DEDUCTION**—Use this mode if you have some initial data about the problem (also known as Forward Chaining).
- ☐ **VERIFICATION OF A HYPOTHESIS**—Your computer asks you questions about your hypothesis (also known as Backward Chaining).
- ☐ **EXPERTISE** (totally new technique)—A combination of the above, for situations where you have no initial data about the problem, and no hypothesis (Mixed Chaining Mode).

EXPERT OPINION features:

- ☐ Dictionary linked to each knowledge base.
- ☐ Unlimited number of knowledge bases.
- ☐ BaseManager has powerful tools for creating and editing knowledge bases.
- ☐ Illustrated manual includes tutorial and tips by Christopher F. Chabris, Glossary, Bibliography, and more.
- ☐ GEM-driven interface, on-line [Help], and user-friendly command structure make **EXPERT OPINION** simple to use.

FREE BONUS!
Comes with example knowledge bases on disk to get you started.

ST0219 **$99.95**

WARNING: This is a sophisticated computer science tool requiring study to use it effectively. We recommend the following books to help you use the program to its fullest:
THE COGNITIVE COMPUTER, Addison Wesley 1984
EXPERT SYSTEMS, Wiley Press 1985
INTRODUCTION TO ARTIFICIAL INTELLIGENCE,
Addison Wesley 1985

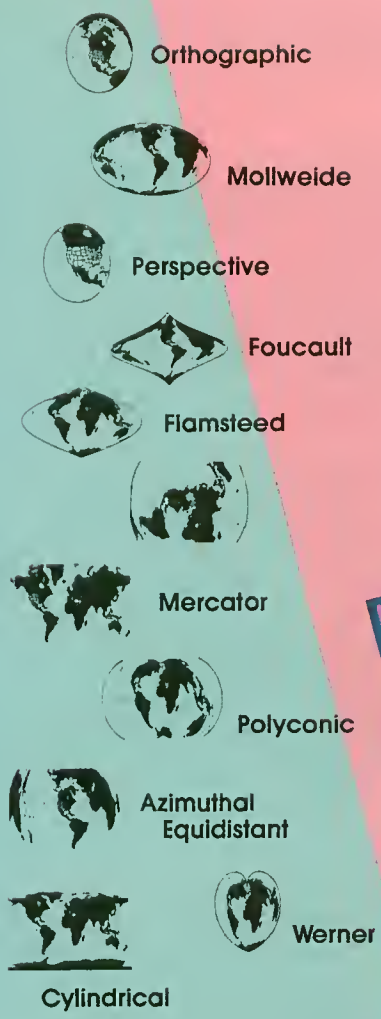
MINDSCAPE

THE CATALOG WANTS YOU! PUBLISHING OFFER.

A New Opportunity.

We're looking for people to create useful knowledge bases using EXPERT OPINION. If you're an expert on a subject (any subject), get EXPERT OPINION—write a knowledge base... And if it's very good, and has broad appeal, we'll publish it for you in this catalog. Write to me, Catalog Product Manager, for more details (my address is on the back page). Give me your expert opinions. I'll try to help you publish some of your knowledge bases on a commercial basis.

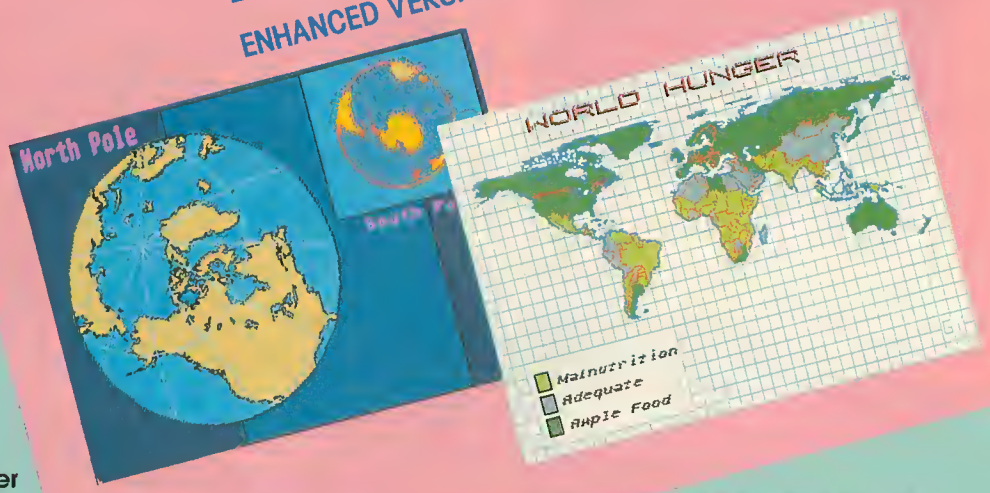
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Now you can customize MAPS AND LEGENDS to plot any coordinates you want!

MAPS AND LEGENDS™ The Cartographer

ENHANCED VERSION 2.0



by Harry Koons and David Chenette

Put yourself anywhere in the world — even your own hometown. And now view that land mass from any altitude—in full perspective!

Unlimited Versatility

The *new* OVERLAY feature in version 2.0 gives you total flexibility and professional power. Now, *plot your own maps in scale on top of the built-in world map database.* Or use the new DATAMAP disks to add the boundaries of the nations of the world, historical maps, and more.

Tap Your ST's Speed...

Using advanced CAD system algorithms, MAPS and LEGENDS takes less than a minute to do what used to take hours for computers—and weeks by hand. It features ultra-fast drawing of world maps from one of 11 perspectives, three resolutions, up to 16 colors.

ENTIRELY GEM-BASED FEATURES INCLUDE:

- ☐ OVERLAY option for plotting your own maps, flight plans, routes, city locations, etc.
- ☐ BUILT-IN DRAWING TOOLS
  - Multiple Pattern Fills, Pen sizes, Text sizes, Fonts
- ☐ MULTI-FONT DESK ACCESSORY
  - Comes with extra fonts for customized legends
- ☐ AUTO-LOCATE MODE
  - Reads geographic coordinates from map, and distance and bearing from any point on the Earth—just by pointing with your mouse!
- ☐ DEGAS and Neo compatible. Use your maps as basic elements in the most popular ST graphics packages.
- ☐ Works with color and monochrome systems.
- ☐ Built-in topic-based [Help] system.

NOTE: With the new overlay enhancement, MAPS and LEGENDS has become one of the *best* cartographers tools in history. We added this capability to the system after a request for it from a navigational flight officer. He told us that he and the other flight officers at his base were using MAPS and LEGENDS and ST's to draw their flight plans, and that they needed to be able to accurately plot their routes. We liked the idea so much that now anyone can build custom map databases out of simple coordinate lists. And arguably the best thing about version 2.0 is the price...still $34.95.

ST0202 **$34.95**

INTRODUCING DATAMAPS

DATAMAP COLLECTION I: NEW!

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

PROVINCIAL AND STATE BOUNDARIES
Australia, Canada, China, U.S.S.R. (the SSR's)

HISTORICAL MAPS
Pre World War I Europe, Pre World War II Europe, Original 13 U.S. colonies, and more...

Requires Maps and Legend 2.0
ST0227 **$24.95**



Exciting World War II Submarine Action in the South Pacific!

NEW!

SILENT SERVICE™

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**

GET ORGANIZED AND HAVE FUN WITH MICHTRON

NEW!

CORNERMAN

Eliminate the desk battlefield and make organizing easy!

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 RIGHT HAND PERSON TODAY—HIRE **CORNERMAN.**

One megabyte RAM recommended.

TH9013 **$49.95**



CARDS

CARD games for the entire family and serious strategy card player. Beat the dealer in Blackjack, skunk your opponent in Cribbage, play out the aces in Solitaire and win at Klondike and Poker Squares. Incredible graphics.

TH9015 **$39.95**

TIME BANDIT

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

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 color monitor.

TH9014 **$39.95**

MichTron

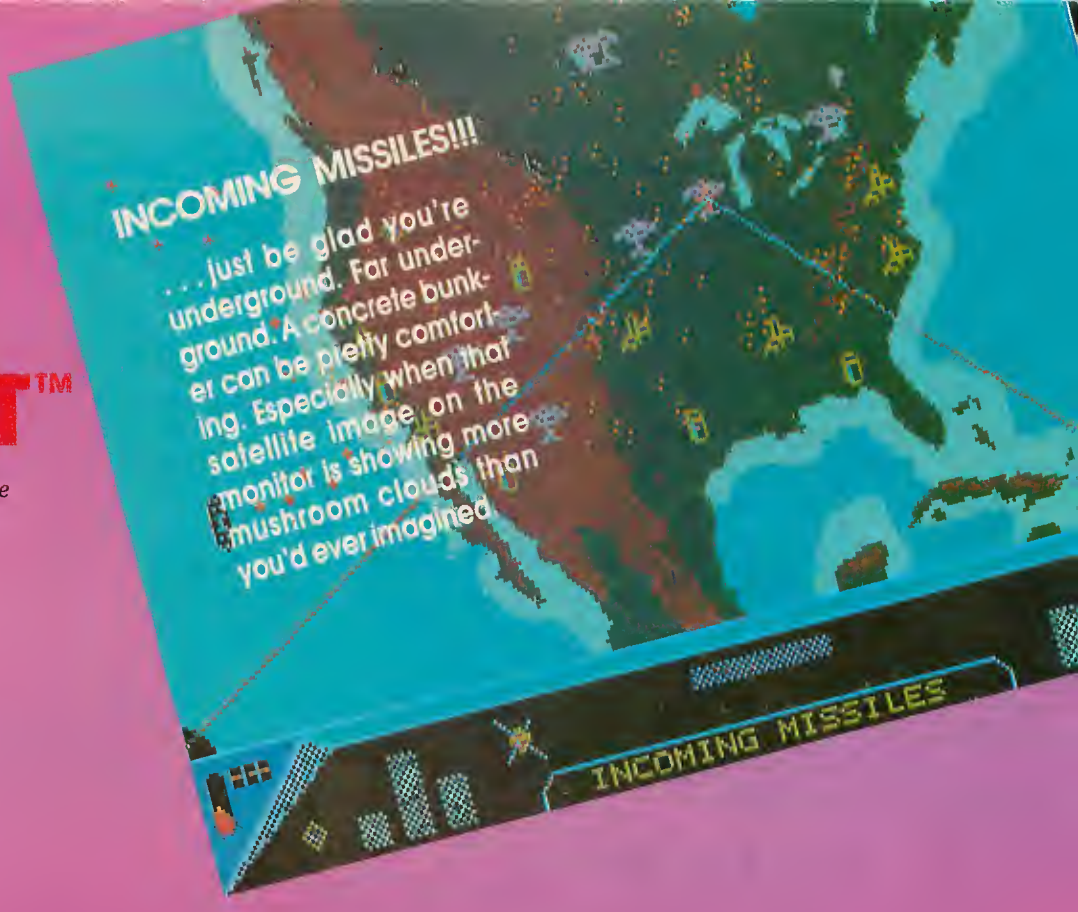
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ORDERS ONLY!

RED ALERT™

Written by Stanley Crane and Daniel Matejka



But you have some options. A few. Strategically-placed Ground-Based Lasers and Antiballistic Missile Silos are the backbone of your defense. Your last space-based Particle Beam Weapon is available, but you must allocate your resources wisely to use it.

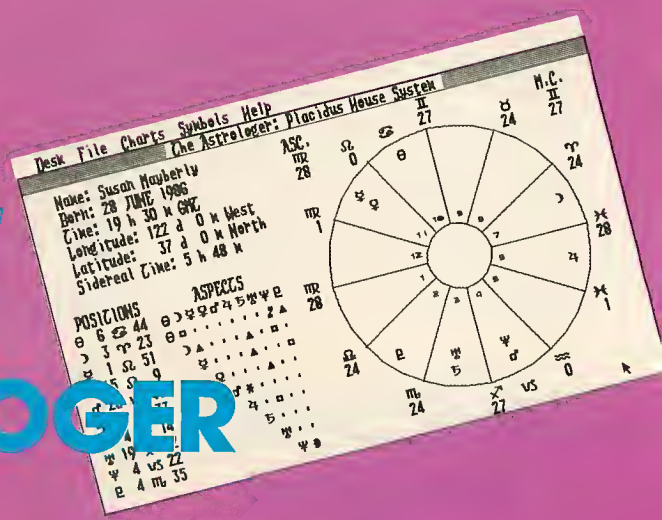
Your cities are under attack. It's up to you to try and destroy the Russian ICBM's and MIRV's—plus the missiles launched from nuclear subs. RED ALERT features real-time animation, on-screen help, auto-demo mode, color/monochrome compatibility, three selectable levels of play, PLUS a unique construction set which lets you customize North America with the cities that you want to protect, and the positions of the Ground-Based Lasers and Antiballistic Missile Silos.

NOTE: RED ALERT is an addicting game, but it's also a thought-provoking version of an SDI (Strategic Defense Initiative) nightmare scenario. (RED ALERT was developed by the authors of DB Master.)

ST0223 **$24.95**

The Perfect Addition To Your Family Album!

STAR STRUCK™ —THE ASTROLOGER



By Harry Koons

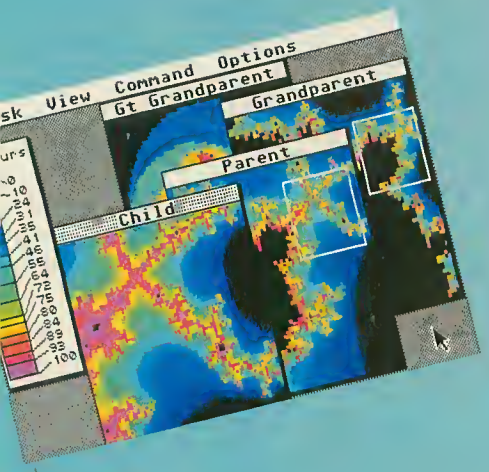
Now your ST can *instantly* generate accurate natal charts for you, your family, and friends—the way an astrologer would do it. Entirely GEM-based, STAR STRUCK creates charts using formulas for the nine most popular house systems used throughout history (Placidus, Morinus, Equal Spaced, Porphory, and five more). On-screen help windows and reference documentation show you exactly what all of the astrological icons mean.

Excellent Graphics, Custom Fonts...
STAR STRUCK includes the Font Loader desk accessory and fonts (gothic, roman, etc.) to give your charts that authentic look. All astrological aspects are displayed in graphic form. U.S. and world maps are built into the program. Locate your birthplace with the mouse or key-in the exact coordinates. Charts can be printed out or saved to disk in DEGAS format. Compatible with color and monochrome monitors.

ST0222 **$24.95**

GSTC APPLICATION FOUNDATION I FRACTAL FACTORY™

NEW!



Discover how to do graphics programming! Learn how to write a GEM application! Learn by example with the source code for FRACTAL FACTORY. This remarkable disk contains *all* the source code, batch files, linker files, and graphics and math libraries for a unique graphics application written by the GST in-house programmers. FRACTAL FACTORY is the ultimate fractal-maker, using multiple windows, variable zoom, and contouring to display many generations of dazzling fractals at once. Monochrome and Color versions illustrate how to write GEM graphics applications for both types of monitors. The FRACTAL FACTORY source code can be the *foundation* for almost any type of GEM application written in GSTC.

ST0228 **$19.95**

Sixty Eight K Assembler, Editor, Debugger combo for under $35.00!

A-SEKA™ by Kuma

Version 1.6

By Andelos Systems/Kuma, UK

Sometimes you just need to get that code running faster. A high-level language application needs a burst of energy. Or maybe it's arcade action—high end stuff. A-SEKA does it *fast*, because it is all in RAM. All of it: The Assembler, Editor and Monitor/Debugger. Those who know how can create exciting codes mighty fast. And if you're learning Assembly, you won't ever have to wait for your latest attempt to go through the assemble and link process.

A-SEKA assembles source codes at over 30,000 lines per minute! And since it can assemble and link simultaneously, you can *run your code instantly.* Of course, A-SEKA is also a macro assembler and uses standard Motorola mnemonics. But what really sets it apart is its powerful machine language monitor, disassembler and symbolic debugger.

FEATURES:

- ☐ Symbol table access.
- ☐ Arithmetic operations. Input in any base.
- ☐ Disassembles 16 lines at a time.
- ☐ Motorola mnemonics.
- ☐ Single step. Trace.
- ☐ Multiple breakpoints. Memory inspect and modify.
- ☐ Line assembler.
- ☐ Examine registers.

VERSION 1.6 ENHANCEMENTS:

- ☐ Full-screen editor, including cut & paste
- ☐ Expanded GEM AES and VDI libraries
- ☐ Compatibility with other assembler source code
- ☐ Support for GEM subdirectories, additional pseudo-op's for printer and Line A control
- ☐ Step command now skips trap and Line A OS calls

ST0216 **$34.95**

NOTE: We're carrying both the SEKA and GST-ASM assemblers because they are complimentary—each is designed to meet the needs of a different type of programming. SEKA is a low-level assembler that is most useful for programmers who like to work entirely at the machine level or want ultra-fast response time. GST-ASM is really a professional developers tool—its extra GEM features and GEM environment make it the perfect assembler to use with any high-level language.

A-RAM™ by Kuma

By Roddy Pratt, UK

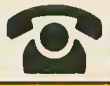
Can your RAMdisk partition any size disk emulator you want?

☐ A-RAM can.
Can it work with TOS in ROM?
☐ A-RAM can.
Can your RAMdisk accelerate your floppy write speed by turning off the verify mode?
☐ A-RAM can.
Can you have multiple RAMdisks present at the same time?
☐ You guessed it. A-RAM can.

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

ST0215 **$19.95**

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FINALLY! GEM DEVELOPMENT AND LEARNING TOOLS AT A SUPER VALUE!

GSTC™ Compiler

Version 1.3

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

Do you want to write GEM-based programs for the Atari ST? With GSTC you can—without spending hundreds of dollars on expensive compilers. Now you can add windows, dialogs, and all the GEM forms to any program — it's *easy* with GSTC. Use your mouse and pull-down menus to write C programs within a desktop menu-driven "shell" environment. GSTC allows compile-assemble-link and assemble-link operations to be batched, avoiding tedious and error-prone command line entry. And it all fits on one single-sided disk. No excessive disk swaps.

At the heart of the GSTC package is the remarkable *GEM Superstructure Library.* This enables the beginner to write GEM applications software at once, without the complex learning curve associated with GEM AES and VDI. Open a fully-functioning window with one call. GSTC is fast—providing compile and linkage turn-around times speedy enough for the most impatient hacker!

GSTC features include:

- ☐ GEM Text Editor (GST EDIT)
- ☐ Linker (GST LINK)
- ☐ C Compiler
- ☐ GEM "shell"
- ☐ 68000 Assembler
- ☐ GEM Superstructure Library
- ☐ GEM bindings, (Standard Unix, GEM VDI, GEM AES, GEM XBIOS, TOS)
- ☐ Comprehensive printed user manual

Version 1.3 enhancements

- ☐ All 40 GEM XBIOS routines, with documentation
- ☐ All 12 GEM BIOS routines, with documentation
- ☐ Hints and Tips on using pointers to simulate structures
- ☐ FRACTAL FACTORY object code

TH9018 **$79.95**

NOTE: We searched all over the world to find the best introductory C compiler. When we discovered that GSTC was used to write 1ST WORD, we decided that it was just what we were looking for. This compiler is very powerful and remarkably easy to use. But at present, it doesn't have structures or a floating point library. To help you here, our version 1.3 of the GSTC documentation includes information about how to simulate structures with pointers, and the FRACTAL FACTORY disk has a math library on it. If you're writing a program that uses very serious math, you may need to look at Lattice C. But for most applications, GSTC will do the job.

GST-ASM™

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

Elegance and sophistication... GST-ASM

GST-ASM is a Motorola-compatible 68000 macro assembler designed to work with high-level languages (C, Pascal, Fortran, etc.). Now, assembly language programming is truly accessible to all ST users. And because GST-ASM uses the GST GEM interface and text editor, it's a joy for beginner and advanced programmers alike.

Includes Macro Tools and more!

GST-ASM has high-powered macro facilities, for extremely fast throughput. Plus, extended macro functions include several 'pseudo-functions' such as .LEN and .INSTR (which can be used in string substitutions). A large toolkit of useful macros is included for conditionals, loops, stack handling, and subroutines.

GST-ASM features include:

- ☐ GEM text editor (GST EDIT)
- ☐ GEM "shell" operating environment
- ☐ Unique, high level instruction macro library (IF, WHILE, REPEAT, CASE, etc.)
- ☐ Supports conditional assembly
- ☐ Creates cross-reference listings
- ☐ Symbol table
- ☐ Supports Include files
- ☐ Generates relocatable code
- ☐ Produces object code compatible with: Lattice C, Pascal, Fortran, Modula 2, etc.
- ☐ Comprehensive printed user manual, including thorough documentation of all assembler error messages.

TH9017 **$59.95**

FREE WITH GSTC & GST-ASM! GST EDIT and GST LINK

GST-EDIT is a GEM-based screen editor that is to programming, what 1ST WORD is to word processing. Features up to four independent windows, cut & paste, search & replace, plus is 100% integrated with GSTC and GST-ASM.

GST LINK is the same linker that comes with Lattice C. It is an extremely flexible linker that is relocatable, supports SID symbols, symbol tables, link maps, batch control files, and more.

The standard for the 68000.

LATTICE C™

By Metacomco

- ☐ Full Kernighan and Ritchie implementation
- ☐ Powerful data types (pointers, arrays, structures, unions)
- ☐ Separate and conditional compilation
- ☐ Macros
- ☐ LATTICE design
- ☐ True native code compiler
- ☐ Comprehensive error handling, including warning messages
- ☐ Full floating point arithmetic
- ☐ Optimized to produce fast, compact code
- ☐ No runtime licenses required
- ☐ All C language features are supported, including:

PRE-PROCESSOR COMMANDS: #include, #define, #undef, #if, #ifdef, #ifndef, #else, #endif, #line.
STORAGE CLASSES: extern, static, auto, register, typedef.
TYPE DECLARATORS: int, char, short, unsigned, long, float, double, struct, union.
OBJECT MODIFIERS:, ", [ ], ( ). Declarations may be arbitrarily complex.
INITIALIZERS: Full range of expressions accepted.
STATEMENT TYPES: All are supported, including labels and goto.

- ☐ LINK 68 and GST LINK compatibility.

GEM Libraries

- ☐ Complete interface to GEM VDI and AES functions and to library of Unix and utility functions, allowing all the features of the Atari ST—icons, windows, graphics, etc.—to be used. The graphics libraries are also included in source code form.
- ☐ 270-page manual

EDITOR LINKER MENU+

TH9007 **$149.95**

MCC PASCAL™

By Metacomco

ISO Pascal Compiler

This Pascal compiler has been widely used on the Commodore Amiga and the Sinclair QL. It is a fast and powerful implementation that conforms *fully* to the exacting ISO 7185 standard. **MCC PASCAL** is the ideal Pascal for all users, whether new to Pascal or experienced programmers.

- ☐ FAST, SINGLE-PASS COMPILATION. **MCC PASCAL** compilation is straightforward and fast—ideal in education or program development.
- ☐ COMPATIBLE—COMPLETE IMPLEMENTATION OF ISO 7185. Compatibility with the International Standards Organization's definition of ISO Pascal.
- ☐ 32-BIT INTEGERS AND 32-BIT IEEE FLOATING POINT.
- ☐ COMPREHENSIVE ERROR HANDLING. The compiler recognizes over 150 different errors, and the run-time system provides over 30 different English error messages.
- ☐ 215-PAGE MANUAL.

EDITOR LINKER MENU+

TH9006 **$99.95**

"For an environment that's superb for development, I vote for Metacomco."

Anita Sinclair, Magnetic Scrolls, UK
(developers of THE PAWN)

FREE WITH EACH METACOMCO LANGUAGE SCREEN EDITOR, LINKER, MENU+

- ☐ **EDITOR** features include: Horizontal and vertical scrolling, file merging, cut & paste, search & replace, macros.
- ☐ **LINKER** features include: Relocatable, optional SID debugger symbols, auto run-time relocation.
- ☐ **MENU+** is a remarkable new menu-driven GEM environment designed to speed up your program development cycle (EDIT, COMPILE, LINK, RUN). You can now specify a number of TOOLS (for example, any editor, compiler, debugger, etc.) together with the options for each of these tools. And MENU+ remembers all the little things that you do during a programming session—so you don't have to.

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.

TH9005 **$79.95**

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

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

FORMAT disks

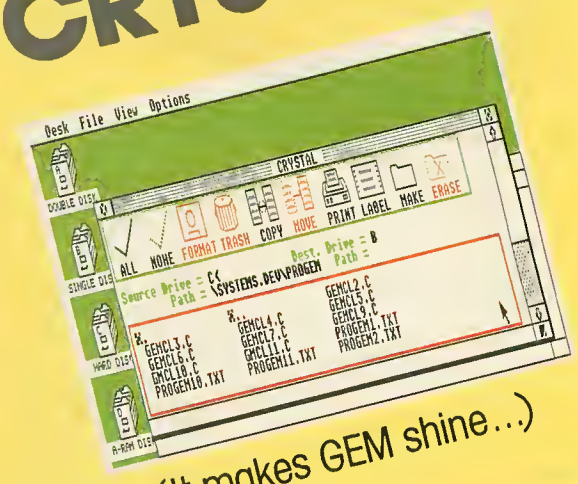
DISK LABELS printed automatically

DELETE files

NEW!

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

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 less than 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.

ST0229 **$24.95**

Use the language that professionals use from Prospero—the language specialist

PRO FORTRAN-77 NEW!

PRO FORTRAN-77 compiles up to 10,000 lines and utilizes over 1,000 identifiers. Pro Fortran-77 is a full implementation of ANSI (American National Standards Institute) Fortran 77 with no omissions and many useful extensions.

PRO FORTRAN-77 gives programmers a secure base on which to build.

Package includes: compiler, linker, run-time libraries, librarian, X-ref program, sample programs and 200 page manual.

Fortran is the most widely used language by universities, scientists and professional programmers. Take advantage of Fortran power combined with the wealth of information and subroutines that have been developed over the past 25 years. There is software for everything from particle physics to mechanical engineering.

Ideal for Atari soltware developers, schools and colleges, computer science students, training institutions and great for solving technical problems.

Fortran should be in every ST programmers library.

TH9012 **$149.95**

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VISA 800-443-0100, ext. 133 (Continental U.S. and Hawaii)

ORDERS ONLY!



The Programmers Choice

A bit-map 'raster cutter' for ST program designers using the 16-color mode.

C.O.L.R. Object Editor

by The Rugby Circle

NOW, the first all purpose graphics design programming package is available for the ST. An essential time-saving tool developed for creating software sprites and bit-mapped game objects.

Your original art or favorite low-resolution picture from any ST paint program can be sketched or modified. Invert, twist or copy your objects. The zoom editing feature gives your picture that professional look. Your object is stored on disk in a compatible format allowing you to access your work from the programming language of your choice.

Store up to 20 objects in memory at once and instantly access four rainbow paint palettes from RAM.

C.O.L.R. OBJECT EDITOR includes object motion examples. This is the only graphics programming tool of its kind for the professional and hobbyist programmer.

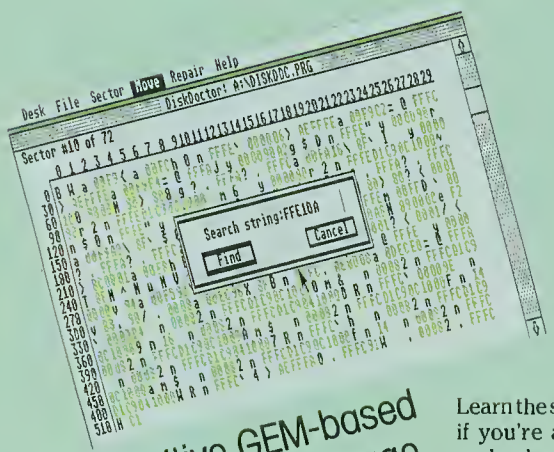
See the November 1985 issue of ANTIC for more information on **C.O.L.R. OBJECT EDITOR.**

COLOR ONLY

ST0201 **$29.95**

DISK DOCTOR

by Dan Matejka



Intuitive GEM-based disk utility package.

Learn the secrets of ST disk structure, and if you're adventurous, try some "disk archeology." Recover deleted files *automatically* and repair damaged files and disks.

☐ Make quick modifications to *any* ST single or double-sided floppy or hard disk.

☐ Use **DISK DOCTOR** to *customize* program menus and messages.

☐ Search for character strings or go to any sector instantly. Quickly edit full sectors on-screen using your mouse or cursor keys. Get directory history, file attributes, and more.

DISK DOCTOR is perfect for the casual user who just wants to repair a file, OR the *serious programmer* who wants to discover what's really going on. Includes on-disk Help and thorough technical reference information.

COLOR / MONOCHROME

ST0211 **$29.95**

TOLL FREE

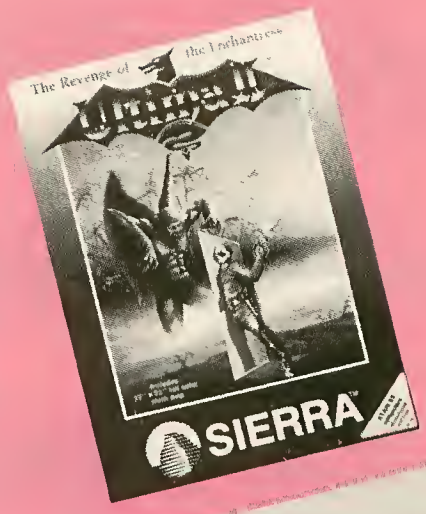
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VISA **800-443-0100, ext. 133** (Continental U.S. and Hawaii)

ORDERS ONLY!

ULTIMA II

By Sierra

A Consistent Alter Ego Best Seller



ULTIMA II. One of the most popular fantasy role-playing games ever, **ULTIMA II** still claims a place on the bestselling charts. Second in the series this multiple disk epic that lets you create your own super-powered alter ego to perform brave and daring feats in your honor. Together, step through time doors to ages past, present and future. Explore the far reaches of the galaxy. Battle fierce monsters and cunning brigands. Finally, face the all-powerful enchantress Minax, in a duel unequaled in the annals of time. A colorful cloth map helps guide the player through the Ultima universe.

Plan on spending a couple weeks unravelling the ribald adventure.

TH9002 **$59.95**

HARD TO FIND CABLES $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

HIPPOVISION VIDEO DIGITIZER

Create digitized Degas and NEOchrome-compatible picture files using any high quality composite video input (e.g. color or b&w camera, VCR, TV, etc.…). Fast software updates the ST's screen 10 times per second, while the hardware frame-grabber snaps pictures in 1/60 of a second. Animation mode allows automatic sequential frame digitization. Black and white high contrast mode or up to 16 grey levels with color monitors. 320H × 250V resolution. NTSC, PAL, and SECAM compatible. Includes hardware interface, software, demos and instructions.

Perfect for artists, game designers, and video aficionados.

In single color mode: It snaps the picture in a single video frame (1/60th of a second). No blurring of the picture occurs in this mode. Animate a sequence of pictures (up to a total of 50 pictures with a 512K machine, about 100 for a 1024K machine).

THE SPECS

- ☐ 256×256×9 bit resolution (3 bits per color).
- ☐ Standard NTSC 1 volt peak-to-peak composite sync signal.
- ☐ Software color "voting" system picks optimum 16-color ST palette according to image.



HIPPOPOTAMUS SOFTWARE INC.

- ☐ Hardware plugs into printer port for high speed data transfer rate.

PH0007 **$139.95**

S/Terminal plus SOURCE!

Get on-line and transfer files with S/Terminal, a full-featured terminal program written in 68000 assembly language. S/Terminal features Xmodem, Xon/Xoff, 300/1200/2400 baud support (and more, up to 19.2K baud), and on-line help screen. ALL SOURCE CODE IS INCLUDED, in addition to object code. This disk also includes several C source and object graphic examples, plus five LOGO demos.

PD0057 **$12.00**

ST DOODLE plus SOURCE

The perfect GEM learning tool. PD paint program written in "C", including object and source files for you to explore. Works in all three resolution modes. Demonstrates GEM drop-down menus, windows, scroll bars, color selection, fill algorithm, three brush sizes. Comes with NEOVERT—converts your pictures from NEO to DOODLE format. Learn how GEM and the ST work . . . without any typing!

PD0058 **$12.00**

DEGAS COMPETITION COLOR WINNERS

The top eight color entries from Batteries Included's DEGAS art competition. Includes a slide-show viewing program—DEGAS is not required.

PD0077 **$12.00**

ST FRACTALS plus SOURCE!

Features MANDLEZOOM by Harry Koons. 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 (some also with source code).

PD0068 **$12.00**

DEGAS COMPETITION HI-RES WINNERS

The top eight monochrome entries from Batteries Included's DEGAS art competition. Includes a slide-show viewing program—DEGAS is not required.

PD0076 **$12.00**

CAD-3D COLLECTION I NEW!

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), SHUTTLE (Executive Space Shuttle), OUTLET (exploded view of electrical wall outlet), HELMET (16th century Japanese battle helmet), and more! (requires CAD-3D ST0214)

PD0085 **$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**

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. All source and object code is included and is well commented. And more!

PD0079 **$12.00**

XLISP NEW!

Interested in artificial intelligence? XLISP is a version of LISP that has an object oriented extension capability. It allows you to experiment with AI algorithms and structures as well as object oriented programming. Applications written on the ST can be ported to other computers since versions of XLISP are also running under UNIX, VAX/VMS, MD-DOS, CP/M-86, CP/M-68, and Macintosh. XLISP comes with SOURCE CODE (in C) and is extensible.

PD0084 **$12.00**

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 overstuffed 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.

ST0204 **$19.95**

monochrome/color

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.

ST0203 **$19.95**

monochrome/color

Special Note To ST Dealers

When it comes to Atari 16 bit products, ***THE CATALOG*** is the best resource available for state-of-the art software. Every effort has been made to contact ST dealers nationwide with a copy of ***THE CATALOG*** that features the latest in ST products. If you were overlooked, it was not intentional, and we hope you will call us for free product information and dealer discounts. Be one of the first to stock your shelves with ST products from Antic, Batteries Included, Regent, Hippopotamus, GST, Kuma ...and the list continues.

Many of our customers call us looking for the nearest dealer of ST products. If you would like to be on our referral list please let us know. We're here to help you service the many ST owners...and the list is growing!

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"New double density disk editor for Indus, Rana, Trak, Astra or Percom drives. . ."

DISK SCANNER—DOUBLE DENSITY

by Mike Fleischmann

Get a fighting chance in restoring crashed disks. DISK SCANNER is the most *flexible* disk sector editor ever published for the Atari. Disassemble sectors using four range options. Modify sectors and edit them on-screen—use its scrolling map for 256 byte sectors. Redefine sector link masks to adjust to *any* DOS. Scan and print sectors. Trace sector chains. Search sectors by range or chain. Comes pre-configured for single or double density.

Documentation includes a tutorial about disk initialization, volume table of contents (VTOC), directory location and structure. And much more! Added Bonus! Includes a relocatable machine language monitor *and* a directory sorter.

AP0145 **$19.95**

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

REAL ESTATE CASH FLOW ANALYSIS

STRATEGIC FINANCIAL RATIO ANALYSIS

by Richard Lindgren

Know the score in real estate investing. Analyze the important costs and benefits. Compute before-tax and after-tax cash flows, compute projected net worth of property, monthly payments, interest rates, principal amounts, terms for self-amortized loans and more, then print out results.

Strategic Financial Ratio Analysis measures performance. Ideal for any type of investor. Computes 30 important financial ratios to measure profitability, liquidity and use of debt. Allows "what if" modeling, prints out facts and figures. Give yourself the investing edge!

REQUIRES: Atari BASIC

AP0125 **$19.95**

"The single most-used utility in my entire library.—Ron Luks, SYSOP & Founder, SIG*Atari

SHERLOCK 1050 Enhanced Density Disk Sector Editor

by Dan Moore and Steve Ahlstrom

The Atari 1050 disk drive *demands* new tools for accessing/editing sectors above 720. With SHERLOCK 1050 anything is possible. Examine or edit any byte in any sector of your enhanced or single density disks (in HEX and ASCII mode). 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. Recover data from damaged disks. Duplicate disks with a true sector copier. Includes tutorial for novice disk users.

AP0155 **$19.95**



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**

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**

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—with astrology chart, plus appendix to aid chart interpretation.

EDITORS 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

AP0167 **$15.95**

NEW!



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**



"Add maps to your programs. Includes source code for 9000 world coordinates."

MAPWARE

by Harry Koons and Art Prag

Create high-resolution world maps. Store your maps for later use! Ideal for History, Geography, Cartography, Geology, amateur radio, spaceflight tracking, etc. For schools. For business. Easy-to-use, menu-driven program creates and displays maps in 4 different projections: cylindrical, orthographic equatorial, azimuthal equidistant, and general perspective/global. Nearly 9000 built-in, computer coordinates. Print out hardcopy maps with PICTURE PLUS (AP0179, not included) or other screen dump program. Plus, the BASIC source code is modifiable so you can use the routines in your own programs.

REQUIRES: Atari BASIC

AP0134 was $19.95—**on-sale $15.95**

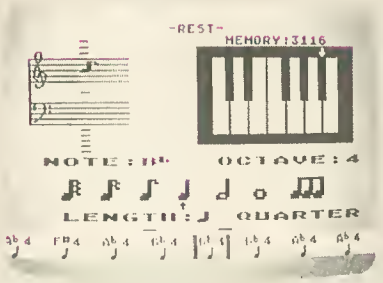


ENHANCED DRAW IT!

by James Burton

ENHANCED DRAW IT! is a graphics mode 7 paint package plus compression utilities (designed by Ed Churnside of Dragon Quest fame). Let your creativity run wild! Draw free hand with your joystick (status window displays horizontal and vertical position), or automatically draw shapes: circles, boxes and lines. Programmers find ENHANCED DRAW IT! perfect for developing graphics adventure screens. Use the file compression programs to pack dozens of pictures on a disk! Built-in ANIMATOR feature is perfect for art shows/presentations and simple animation experiments. Control four color pens, plus two levels of zoom for micro-drawing and close-ups. Then, add your drawings or charts to any BASIC or M/L program! Features auto-fill, page-merging and page-wipe!

AP0108 was $19.95—**on-sale $15.95**



"The ONLY music utility for BASIC programmers!"

ENHANCED POKEY PLAYER

by Craig Chamberlain

Input and Edit music under joystick control. Compiled songs are stored as super-compressed BASIC statements. ENTER the song with a BASIC program and, when RUN, it'll play at any tempo in the Vertical Blank Interrupt. Get special effects like phase-shifting, variable attack and decay, percussion, and 8-octave range. Documentation includes a thorough tutorial in electronic music, and how to get the most out of the POKEY chip.

REQUIRES: Atari BASIC

AP0147 **$15.95**

TOLL FREE



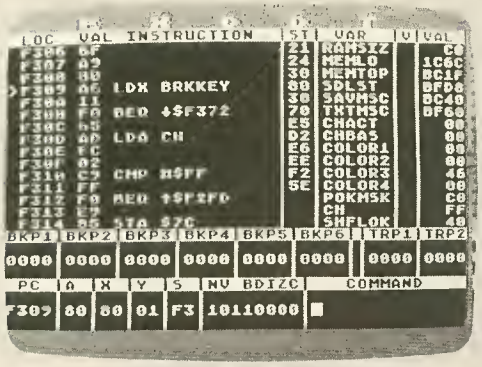
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ORDERS ONLY!

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



EXTENDED D.D.T.

by Jim Dunion

We've taken the best assembly language debugger—*and made it better!* Jim Dunion has improved upon his already excellent program.
So what's new?
These are the differences between the original and EX-tended DDT.

- Built-in mini-assembler. Plus, EXDDT is completely relocatable.
- Over 150 built-in system symbols for more understandable disassembly. Symbolic references allowed. Ability to 'mark' symbols so that interpretive mode will halt if the values of these symbols change.
- Ability to deposit to graphic control areas (such as color register shadows) without affecting EXDDT screen.
- NEXT instruction for single stepping past subroutine calls.

FIVE THINGS that made the original DDT "the ultimate debugger".

- Flash (keystroke) entry into DDT. Display screen switchable between DDT and application program. Single step debugging capability, even through ROM.
- Built-in disassembler.
- Eight breakpoint registers. Two trap registers.
- Current stack display. Register contents always displayed.
- Source code provided for re-assembly.

NOTE: "EXDDT operates invisibly and works with any Atari computer that has a disc drive and enough memory to support DOS. A must for assembly language programmers. . ."

AP0171 **$15.95**
MAC/65™ Optimized Systems Software, Inc.

Your 6502 Atari can teach you to program the Atari ST!

DEEP BLUE C COMPILER

by John Palevich

One of the most transportable languages—Runs on other computers with only minor modifications! Eliminate the tedious hours of assembly language debugging! Faster and more powerful than BASIC. This general purpose language is the "De Facto" standard for the new generation of multi-user "workstation computers" and 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.

REQUIRES: 48K RAM, A text editor such as WordMagic/AP0130
AP0114 **$19.95**

DEEP BLUE SECRETS

by John Palevich

All the Assembly and C source code files for DEEP BLUE C COMPILER and linker and the source text for the interpreter. Recommended for programmers familiar with C.

REQUIRES: Deep Blue C Compiler; Atari Macro Assembler
AP0115 **$19.95**

Add fast floating point and graphics to C.

MATHLIB FOR DEEP BLUE C

by Frank Paris

Antic's family of DEEP BLUE C software is extended with MATHLIB, a whole new library of math functions designed to expand your DEEP BLUE C COMPILER into the area of floating point calculations. MATHLIB provides the access that DEEP BLUE C doesn't to the functions in the ATARI Operating System Floating Point ROM. Among the 32 new math functions that MATHLIB provides are: integer/floating point, degree/radians, and ATASCII/floating point conversions; floating point addition, subtraction, multiplication, division and square roots; natural and base 10 logarithms and exponentiation, and more! Demonstration programs provide examples of how it's used, and how you can use MATHLIB in Turtle graphics.

REQUIRES: DEEP BLUE C COMPILER (AP0114)
AP0132 **$19.95**

At last! Assembly language math is as easy as BASIC.

FLOATING POINT PACKAGE

NEW!

by Louis J. Chorich III

Open up whole new worlds to your assembly language programming. The FLOATING POINT PACKAGE lets you break free from the restraints of integer math. It gives you the tools you need to use the precision of Floating Point (FP) 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. The FLOATING POINT PACKAGE is your best investment in programming productivity.
Here are the specifications:

- Range: 10^−98 to 10^98
- Conversions: Integer/FP; ASCII/FP; degree/radian
- Arithmetic: +, −, *, /
- Logs: Natural Log; Log Base 10; Exponentiation; Inverse Logs; Square root
- Trig: sine; cosine; tangent; cotangent; secant; cosecant
- Misc: FP compare; compare and branch; Input, Print, Move; FP Array management
- Complete documentation and on-disk examples.

REQUIRES: MAC/65™
AP0186 **$19.95**
MAC/65™ Optimized Systems Software, Inc.

3 High Flying Adventures in 1

TOP GUNNER™ Collection

MICRO PROSE

Sensational flying and thrilling head to head Dog Fighting

TOP GUNNER COLLECTION

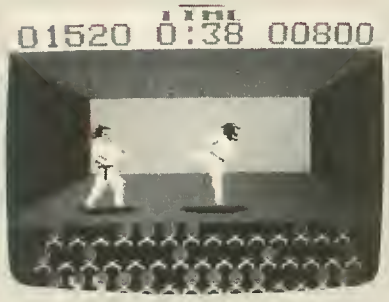
Now you can get three classic flight simulations for the price of one. You're the Ace that expertly manuevers the World War II Hellcat, Korean War Sabre Jet and a Cobra Jet Chopper.

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.

Experience the wind in your face and the intense dog-fighting action of some of the world's most honored and respected combat aviators: the original stick-and-rudder fighter pilots.

Three Game Set includes: HELLCAT ACE, MIG ALLEY ACE, and AIR RESCUE.
The action is simulated . . . The excitement is real!
TH0006 **$29.95**

If you like games, you'll love THE CASTEN GAME DISK (ADS0001). Nine masterpieces from ANTIC's all-time most popular game-maker. Just $12.95, see page 23.

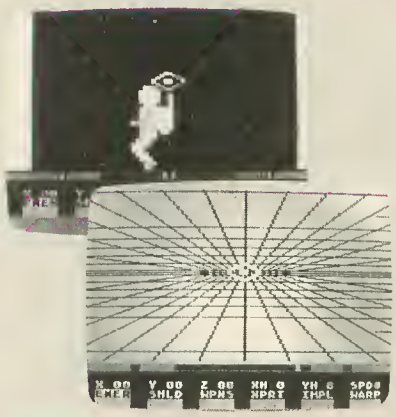


CHOP SUEY

by English Software UK
Written in machine language
An action-packed *martial arts* competition *simulation*. For anyone who likes thrill-a-minute competitive games. Two players throw Kung-Fu jabs, kicks and blows to win the game. 29 on-screen colors, and the *smoothness of the animation has to be seen to be believed.*
CHOP SUEY FEATURES INCLUDE:
- Eight fast-moving joystick positions: High kick, jump up, jump over, move right, jab, low kick, body kick, move left. Fire button changes direction.
- Every move has a score and "pain level" rating. "POW GAUGE" lets you know your health rating during match.
- "Killer" Scorpions enter through air vents to disrupt match.
- One and two-player options.
- Become a Black Belt! Eight progressive levels of game play. Beginner to Master levels.
- Normal speed or (for the insane) Superfast mode game-play option.

REQUIRES: One joystick per player
AP0162 **$15.95**

EDITORS NOTE: "CHOP SUEY" is the most popular new Atari game in England. *Atari User* magazine said CHOP SUEY ". . . has got to be one of the best Atari buys of the year. Go get it grasshopper!"



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

XTAL (*CRYSTAL*) — AN ADVENTURE IN SPACE

by Dave Reese
Captain's log, stardate 2284.0. Step onto the bridge of the USS EXCALIBUR SSC-1310—she's the *best* heavy star cruiser in the United Federation's starfleet. Suddenly a Class One distress signal! A planet-threatening Ion Radiation storm has developed in the peaceful Canasian section. Your mission: destroy that storm. Fail . . . and you'll be peddling Quirkies at a Gamorian outpost.

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

The docking sequence is visually *stunning* as the EXCALIBUR is grabbed by Delta-1's tractor beam and brought right into the docking bay. Detailed colorful special effects are *everywhere* in XTAL.
AP0158 **$15.95**
Star Raiders® Atari Corp.

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VISA 800-443-0100, ext. 133 (Continental U.S. and Hawaii)
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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**



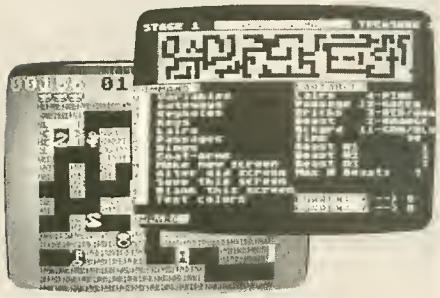
"A great graphic adventure game for your entire family!"

DRAGON QUEST OR A TWIST IN THE TAIL

by Ed Churnside

You must slay the fire-breathing dragon to save the kingdom. Clues are hidden in the screen pictures and text. Look closely at where you are and where you're going. Don't get killed. Watch out for evil hazards. Carry on the quest, Find the dragon! Games can be saved to disk at anytime during play. Fast and fantastical!

REQUIRES: Atari BASIC
AP0139 **$12.95**



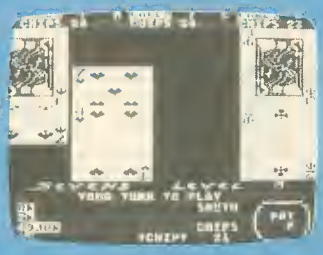
KING TUTS TOMB & CONSTRUCTION SET

by Jeff Wacker

Explore the corridors of gloomy tombs. Use a musket, shields, flash bombs and land mines to defend against 7 types of deadly beasts. Up to four players, five levels, arcade and dungeon challenges in 48 different tombs. With the TOMB CONSTRUCTION SET (included) you can design your own custom tombs.

AP0149 **$15.95**

TWO DOUBLE PLAY CARD GAME CLASSICS



SEVENS (FAN TAN)

by Craig Preator

KLONDIKE SOLITAIRE

by Mike Fleishmann for Star Systems Software, Inc.

If you enjoy strategy games or card games—or both, you'll love SEVENS. Also called FAN TAN, it is a multiplayer hybrid of solitaire, crazy eights and poker. Play against three computer opponents, choose from four different difficulty levels—tutorial to tournament. Select cards and handle chips with joystick ease.



KLONDIKE SOLITAIRE can make you a solitaire master! Relax, sit back in your easy chair, and grab a joystick. That's all you need. Play till you win—no cheating allowed. Effortless game play. Instant response time. Learn official Klondike rules while having fun. WARNING: KLONDIKE SOLITAIRE is completely addicting!

REQUIRES: One Joystick
Sevens + Klondike Solitaire
AP0174 **$15.95**



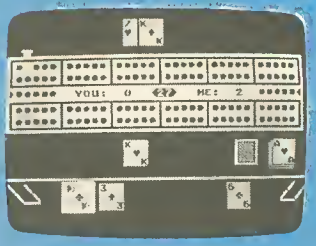
SEVEN CARD STUD— A USER PROGRAMMABLE SIMULATION

by Monty Webb

CRIBBAGE

by Jose Suarez

Stud Poker the way you always wanted it. Five programmable opponents—you vary the psychological traits of each one. Place your bets! Realistic sound and great graphics add casino suspense and excitement.



CRIBBAGE for the connoisseur. Superb color graphics and four levels of play. Beginners are tutored and guided. Experts are severely challenged. Be warned though, at the highest level the computer will steal any points that you miss. Skunk your computer!

REQUIRES: Atari BASIC and One Joystick
Seven Card Stud + Cribbage
AP0173 **$15.95**

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Discover the work of those committed Atarians who unselfishly create programs for everyone to share. During the last four years, Antic has seen the best (and the worst) of it all. We're picky. We've spent literally hundreds of hours grouping the best of them together by type.

ALL PROGRAMS IN THIS SERIES SOLD AS IS. THERE'S ALMOST NO DOCUMENTATION INCLUDED, EXCEPT WHAT'S BUILT INTO THE PROGRAMS THEMSELVES. THEREFORE, YOU MAY NEED SOME EXPERTISE IN ORDER TO USE THE PRODUCTS PROPERLY. BECAUSE THIS IS PUBLIC DOMAIN SOFTWARE, THE CUSTOMER SERVICE DEPT. CANNOT PROVIDE THE SAME TYPE OF SERVICE AS FOR PROGRAMS WE PUBLISH OURSELVES. (I.E., COPYRIGHTED ANTIC SOFTWARE). HOWEVER, ALL PROGRAMS HAVE BEEN TESTED AT ANTIC AND WILL PERFORM.

TELECOMMUNICATIONS

VT100 TERMINAL EMULATOR

How would you like an 80-column terminal program without needing any special hardware? This will turn your Atari into a DEC-compatible VT100 graphics terminal. Supports: Hayes compatible (850 interface and R-Verter), Atari 835 and 1030, and MPP1000 modems. Access on-line VAX graphics. Use with any DEC minicomputer, including Delphi and CompuServe. Ready-to-run, complete documentation included.

PD0037 $10.00

KERMIT TERMINAL EMULATOR

Now your Atari 800 can talk to the new Atari ST's, IBM PC's, and many other minis and micros. Kermit gives you more control over transferring files than any other terminal program. Invented at Columbia University, this version was written by John Palevich (the author of Chameleon). Comes ready-to-run, with complete documentation. Supports Hayes compatible modem.

PD0038 $10.00

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

A full-featured bulletin board for the 835, 1030 and XM301 modems. Version 4.5PD supports the auto answer on the XM301. The other modems will require an easy to build ring detector (instructions included). Join the telecommunication revolution with this easy to use and easy to maintain BBS.

PD0080 $10.00

TEK 4010 GRAPHICS TERMINAL EMULATOR

NEW!

by Bard Ermentrout

Turn your Atari into a Tektronix Graphics terminal. This dumb terminal emulator displays 32 or 64 columns of text, and graphics at 256×195 (1/4 resolution). It has a 19K buffer and you can dump the buffer or the screen to an Epson compatible printer. Requires a Hayes-compatible modem.

PD0083 $10.00

HOMEPAK CUSTOMIZER DISK

If you own HomePak, this disk will allow you to change dozens of parameters: new character sets (includes one new example charset), key repeat rate and bell toggle, auto line-feeds on/off (essential for MCI mail and Delphi). Learn about the custom macros. Special handlers for MPP modem, ATR-8000, and R-Verter owners. Including a new DOS 2.5 patch, plus 130XE owners can use the RAMdisk patch to access their extra 64K.

PD0041 $10.00

1030 EXPRESS/TSCOPE

The most popular modem program available. Keith Ledbetter has outdone himself with this. If you are new to telecommunicating or are unhappy with your present modem program, try 1030 EXPRESS. It is far superior to most commercial programs. Works with 835, 1030, and XM301 modems. BONUS: TSCOPE for CompuServe's VIDTEX online R.L.E. graphics.

PD0081 $10.00

850 EXPRESS/TSCOPE

Keith Ledbetter's brilliant modem program now runs with non-Atari modems using the 850 and other interfaces. Supports 300, 1200, and 2400 baud. Easy telecommunications at your fingertips. Better than most commercial programs. BONUS: TSCOPE for CompuServe's VIDTEX online R.L.E. graphics.

PD0082 $10.00

MPP EXPRESS/MSCOPE

NEW!

This is a special version of Keith Ledbetter's famous 1030 Express for owners of the MPP 1000 series modems. Ease and power in Public Domain software, MPP EXPRESS will make your telecommunications fast and simple.

BONUS: MSCOPE for CompuServ'e VIDTEX online R.L.E. graphics.

PD0087 $10.00

PROGRAMMER'S TOOLKIT

THE FIX XL (PD TRANSLATOR)

Stop hunting for the Translator! Here it is! Better than the factory original. FIX XL is the easiest, most powerful translation software around! FIX XL Disk contains entire compatible 400/800 OS so XL/XE owners can run ALL Atari software.

PD0026 **$10.00**

ARTDOS

If you use microscreen graphics or special character sets in your programs, ArtDOS will load them to your screen directly from DOS—no graphics program is required. New DUP.SYS menu options include Load Micropainter file, Load Microillustrator file, Load or Display Character Set, Make AUTORUN.SYS, and Read Text File. One-key commands speed things up. This disk includes 10 picture files, plus 20 new character sets, which you can use with any program you write. Make your programs more professional looking.

PD0043 **$10.00**

SUPER UTILITIES #1

Lots of utility for low bucks! Includes: MICROASSEMBLER with USR ROUTINES and ASSEMBLER. A disc documentor, DOC. Do automatic line number with NUM! Connect parallel printer to ports 3 and 4 with PRINTNOP. MEMTEST, memory tester.

PD0010 **$10.00**

SUPER UTILITIES #2

"Utility software For Everyone!"

MODEM, Telecommunications software. HOME INVENTORY tracks your belongings, TYPO, the original Antic listing proofreader. BUBBLE SORT, a E-Z data controller. RENUMBER, make BASIC line number changes simple. Plus, COMPARE, a listings difference checker.

PD0011 **$10.00**

SUPER UTILITIES #3

All for a price you'll love. TINY TEXT, a word-processor. GTIA TEXT WINDOW. LABEL PRINTER, RT CLOCK, add real-timing to your system, plus DISASSEMBLER, offers M/L analysis.

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MONITOR/DEBUGGER AND MORE

Featuring a machine language monitor/debugger with SOURCE CODE. BASWEDGE 2.85 for the 130XE, makes BASIC expandable. Comes with DOS commands and Renumber, includes Assembly SOURCE CODE. Convert DOS 3 files to DOS 2/2.5. Automate multiple file copies. Print labels from HOMECARD. Print multicolored text on the 1020 plotter. Convert Graphic screenes into Text graphics, and more.

PD0069 **$10.00**

ESSENTIAL UTILITIES (+EPSON AIDS)

18 utilities, featuring 5 for Epson MX and FX owners. Including EPSONTYPIST—turn your Epson into a typewriter. SYSTAT—Atari system status monitor. PROTECT scrambles BASIC programs. AUTOTYPE converts USR code into BASIC strings. Plus 14 more!

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DATABASE MANAGERS AND DISK UTILITIES

SUPRINDX and DISKDIR, two of the most popular user group disk directory database's. SECTCHEK—simple sector checking utility. CALENDAR—prints monthly calendar anytime this century. QUIKSORT—learn to sort faster in BASIC. Includes SUPERDUP.SYS, a new DUP.SYS with built-in everything! 14 free sectors on this *packed* disk!

PD0047 **$10.00**

ANTIC FORTH

Here's a double-sided disk that includes: Powerful FIG-forth Language, an EDITOR, plus ON-DISK TUTORIAL. Lowest priced FORTH ever!

PD0020 **$10.00**

PROGRAMMER'S DESIGN TOOLS

Redefine any mode character set with FONTEDIT, the best PD font editor ever written. Use with PMDESGNR, a self-modifying P/M graphics program builder. Create computer graphics with SKETCH, a powerful paint tool. Experiment with POKEY chip with SOUNDLAB. DATABASE is a general purpose file management system. Plus a lot more!

PD0048 **$10.00**

ACTION! UTILITIES #1

(Graphics-oriented)

16 Action! programs, including: 4 Epson screen character dump routines. Superfast GTIA screen loader. Display list example. Internal DUP.SYS written in Action! Plus 5 graphics demo's and more.

PD0054 **$10.00**

Requires ACTION! cartridge

ACTION! UTILITIES #2

(Mach. Lang-oriented)

ASSEMBLR—machine language assembler, works with Action! monitor (plus docs). DISSASEM—disassemble ML programs in Action!. RAMSORT—hi performance in-RAM sort utility (plus docs). DOS3TO2—conversion utility to convert DOS 3 to DOS 2 files. RELOCBIN—generates a self-relocating binary load file (plus docs). BINMENU—beautiful binary load menu with rainbow background and Action! logo.

PD0055 **$10.00**

Requires ACTION! cartridge

The next Atari DOS? (Yup! And the *fastest*!)

DOS 4.0

by Michael Barall

Here it is—the DOS that Atari, Inc. spent over $100,000 developing for the 1450XLD (and all future 8-bit computers). DOS 4.0 (code-named Q-DOS) is compatible with single, 1050-enhanced, *and* double-density drives. It's compatible with your existing DOS 2.0, 2.5, or 3.0 programs (once they've been converted to DOS 4.0 format with the conversion utilities (included)). The Disk Utility Package has been designed to minimize disk swapping on systems that have only one disk drive (for disk *and* file copies). All docs included—DOS 4.0 comes with Atari's 100-screen on-line [Help] System, giving you instant one-key access to complete technical documentation. Plus, DOS 4.0 is *fast*—about *twice* as fast as DOS 2.0, and *three times* faster than DOS 2.5.

PD0067 **$10.00**

NOTE: Thanks to Michael Barall for releasing this impeccable systems software into the Public Domain after receiving the rights to it back from the new Atari Corp.

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Greg Tavares of the Atari Computer Assoc. of Orange County, CA has written a public domain clone of one of the best Atari graphics program. This high-speed machine language program includes every feature of the original, plus some new ones: Draw, Elastic, Zoom, Fill, and Halt Fill modes. UNDO lets you experiment confidently. An unlimited number of colors and patterns are available. Full documentation includes guidelines for using pictures in your own BASIC programs. BONUS: includes 8 micro-screen pictures.

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PHOTO GRAPHICS

Outstanding! A colorful collection of an entire disk full of *excellent* high-resolution digitized photos in an automated slide show.

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ATARI SPEAKS HUMAN

Ever wonder if your Atari could digitally sample a human voice? As well as an ordinary tape recorder? *It can.* NACHRIC and VAN-HALEN are two mind-blowing digitized human voice experiments. Put David Lee Roth inside *your* Atari! (Hint: NACHRIC is an eerie hello in German from our Atari friends overseas—crystal clear!)

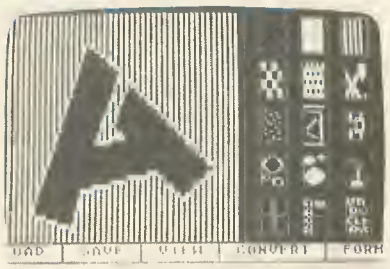
PD0052 $10.00



STEVE DONG'S GALLERY

Superb works of art. Steve Dong's famous pictures use multiple DLI's to create many colors. Each picture has its own special loader and is a unique Atari experience. You owe it to yourself to get this disk!

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ICON GRAPHICS EDITOR

NEW!

by Gregg Tavares, The NightHawk Group

Draw your own Print Shop™ Icons with this advanced paint program. Use this fabulous "MacPaint" style program to create your own libraries of Icons. Full-featured drawing program includes user definable fill and a smart brush which can AND, OR or XOR with the background. (Requires Print Shop)

PD0088 $10.00

Print Shop™ Broderbund Software

CROCKFORD'S WHIMSEY

"Great special effects!"

Douglas Crockford, (creator of GALAHAD and THE HOLY GRAIL, BURGERS) is now the music programmer at Lucasfilm's Games Division. Here's some of Doug's classic whimsey. Mind-boggling simulations of a super-real 3D DANCING BALL, a terrific, musical EAR TRAINING DRILL, an awesome endless 3-D maze where you search for the musicial passages, plus JANE'S PROGRAM, a combination of computer art, music, and game, to boot!

PD0033 $10.00

HEAVY METAL ART *(JACE)*

Turn your Atari on to '80s-style heavy metal computer art! Includes Alfred Gomez's prize-winning entry in Antic's color-the-cover contest. Vampire Girls from Venus, Valkyrie D'n'D Heroess, Space Dock scene simulation, and more! All pictures display more than 30 colors at once, and some use over 100 colors for beautiful shading effects.

PD0060 $10.00

THE RAMBRANDT COLLECTION

Now you can design your own special effects slide shows for RAMbrandt pictures. Choose a different dissolve for each picture: horizontal or vertical wipes, pixel dissolve, spin, telescope, and five others. Change the speed of the dissolves, mix graphic modes, repeat pictures or dissolves in any order. Supports 130XE RAMdisk, comes with a selection of the best RAMbrandt art. (RAMbrandt not required.)

PD0073 $10.00

ATARI MINI-FILM FESTIVAL

(or "Reel Time Animation")

See the amazing computer animation capabilities of your Atari! This disk contains eight films, all made with Moviemaker by artists from all over. See the fabulous Dancing Robots, Swarming Birds, Charlie Chaplin, and lots more (including Antic's 1984 New Year's Juggler). The disk has a machine language Moviemaker autoplayer on it; you don't need to own the program to enjoy these incredible animations.

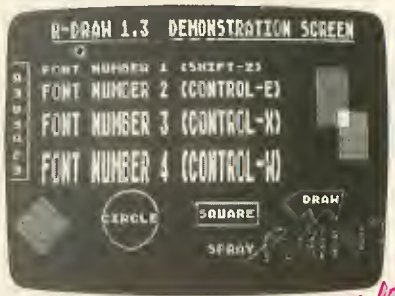
PD0042 $10.00



130XE AUTO ARTSHOW

If you own a 130XE, this disk has a lot to offer. Of course, it has sixteen great pictures on it. But it also loads all of them into the extra 64K at once, and then displays them by page-flipping from one to the other. What's more, the short program that does this is in LIST-able BASIC form, and you can study it and modify it to load your own compressed Microillustrator files. Learn more about the fantastic 130XE computer! Free Bonus: includes DOS 2.5 for folks who haven't been able to get it from a local user group, BBS, or CompuServe.

PD0065 $10.00



130XE HI-RES DESIGNER

NEW!

For 130XE owners only. R-DRAW, a powerful new Mode 8 paint program that has lots of goodies like spray paint, auto-artifacting, 4 text sizes, star fields, L-R reverse (for t-shirts), and more. R-DRAW is so good that, if it had run on all the machines, it would've been accepted for APX. SPECIAL: includes the BASIC SOURCE CODE for this compiled program.

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LEARNING LAB

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C.U.E.S. EDPACK #1

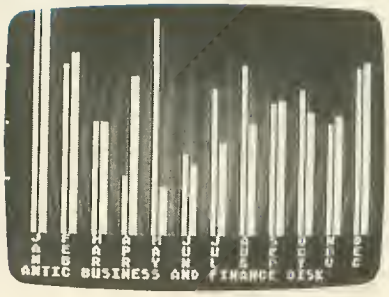
Six mathematics games, including, +, −, *, / guessing games, roman numeral tutorial, and drill and practice lessons. Hi-res geometry and algebra equation plotters. International geography game plus two USA states and capitals lessons. Plus, an English and *French* version of HANGMAN.
PD0044 $10.00

C.U.E.S. EDPACK #2

The FUNCTION Machine, generates any math functions. Create a custom Spelling Bee with SPELLBEE, AMERICAS—interactive N. and S. America lesson. METRICS—metric system tutorial. MATH-PKG—find: G.C.D., Prime factors, Linear interpolation, quadratic roots, simultaneous equations, and more! Plus four bonus programs!
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Eight learning-games: BARNYARD, a mystery, MATHWARS for Arithmetic action. Test general knowledge with CONCENTRATION. Work on your French with translation *flashcards in FRENCH* GAME.
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More than *14* programs! BANK BALANCE, Get the correct balance! IRA, for retirement fund accounting. BUSINESS, great menu-driven integrated software. BARGRAPH, for presentation graphics, SINK-FUNDS, a sinking fund tracker, plus 9 more titles! Worth much more.
PD0022 $10.00

RADIO & ELECTRONICS *(JACE)*

Ever wondered how Morse Code works? How to predict satellite orbits? What Ohm's law is all about? Well, the JACE people have done it again. Includes programs to teach all the above, plus a YAGI antenna designer, *three* resistor design and decoder programs, and an LC-circuit value computer. HAM utilities include a call record program and a routine to put a clock and call-letter log on-screen. All programs are easy to understand and to modify for your individual needs.
PD0064 $10.00

PERSONAL FINANCE AND EDUCATION

3 great financial packages: Use PERSONAL BOOKKEEPER to keep track of your family accounts, LIFE INSURANCE ANALYSER to calculate your life insurance needs and LEDGER to track your Universal Life cash value. PLUS TEACHER'S WORKSHOP, the computer gradebook which is a must for all educators.
PD0071 $10.00

ASTRONOMY & METEOROLOGY *(JACE)*

The Jacksonville Atari Computer Enthusiasts (JACE) have an unusually diverse collection of Public Domain software. This is definitely the best PD collection for amateur astronomers. Includes an observation simulator for tracking objects in our solar system; Comet Halley coordinate generator; a hurricane locator/tracker; a planetarium simulation that plots constellations and star points; a planet tracker for calculating the exact position of planets at different times of the year. All this on one disk!
PD0063 $10.00

GAMES OF SKILL & ACTION

STELLAR TRIO

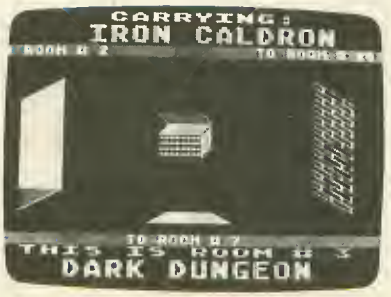
"Joystick Busters!"
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MOON GAMES

A great collection: LUNAR LANDER, new improved version. Plus, MOON BASE, GRAVITY DEFENSE, TALKING WUMPUS: a text adventure for S.A.M. speech synthesizer. Plus PIG, FISH, and ARCADE MENAGERIE.
PD0006 $10.00

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Our all-time best seller! CHICKEN: by Stan Ockers. Classics like REVERSI, HANGMAN, MONOPOLY, and CLEWSO: a detective adventure.
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OCKERS and ADVENTURE

Two of Stan Ockers best: VULTURES and CASTLE HEXAGON. The rest of the disk is a large scale text adventure that you can play or modify to *create your own games*—Get creative!
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NEW!

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The ULTIMATE Trivia Game! 100% machine language. Play alone or with 2 friends (2 on XL/XE). PLUS create your own Trivia Files (over 350 questions per disk—730 with double density). Includes instructions and Assembly SOURCE CODE.
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		# Progs/K	Mag No.	Disk No.
'83 OCT	**SPORTS GAMES**	10/52K	AMS1083	ADS1083
	Feature Programs: TRACK STAR, MOUNTAIN SKIING, CASSETTE AUTOBOOT, MAXTER MIND, NIGHTMARE MISSION, LINE ZERD, and 3 Education Programs, FORTH Factory, Starting Line, Profile: The 3 Carlston's (Broderbund) . . .			
NOV	**SOUND & MUSIC**	9/51K	AMS1183	ADS1183
	Feature Programs: S.A.M. W/OUT SCREEN BLANKING, SOUND BEYOND SOUND, SIMPLE SYNTHESIZER, PICK A CHORD, RANDOM MUSIC, AIR RAID 2000, and Logo, Starting Line, 3 Education Programs, Tape Topics, Profile: Roberta Williams (Sierra On-Line) . . .			
DEC	**NEW PRODUCT GUIDE**	13/60K	AMS1283	ADS1283
	Feature Programs: ANATOMY OF A ROBOT (part I), GARBAGE COLLECTOR (For unwanted character strings), GTIA SKETCHPAD (modes 9,10,11), and 101 Best Atari Products, Display List Interrupts Explained, Automate Your Player/Missiles . . . 148 pages—BIGGEST ANTIC EVER!			
'84 JAN	**PRINTER SURVEY**	12/54K	AMS0184	ADS0184
	Feature Programs: POCKET CALENDARS, SCREEN DUMP (White & Herrera), ROBOTS (part II), WORDFIND (by Ratcliff), SNOWBIRD, ROAD RACE, and Starting Line, 2 Education Games, 11 Great Printer Articles/Programs—Essential Reference . . .			
FEB	**PERSONAL FINANCE**	12/64K	AMS0284	ADS0284
	Feature Programs: MONEY MATTERS (Personal Investment Simulator), PHONE BOOK, STOCK SPREADSHEET, CHARACTER GRAPHICS TECHNIQUES, THE GAUNTLET, GALACTIC GLOOP, and Starting Line, Logo Books, Systems Guide, Tape Topics . . .			
MAR	**WORLDWIDE USERS ISSUE**	14/60K	AMS0384	ADS0384
	Feature Programs: POKER SOLITAIRE, CENTURION, ESCAPE MAZE, DISK SECTOR READ, GTIA RAINBOW, FLASH CARDS, and Letters and Photos from Around the World, 8 International Atari Articles (Atari's in Granada?), FORTH Factory, Profile: James J. Morgan (Atari CEO) . . .			
APR	**ATARI GAMES—**	15/59K	AMS0484	ADS0484
	2ND ANNIVERSARY. Feature Programs: RISKY RESCUE (J.D. Casten Favorite!), ARENA PSYCHOTICA, LIGHT PEN DOODLE, MEMORY WINDOW, and Atari Controls Your Environment, Audio/Video output for the 400, Introduction to AI, P/M Graphics, 3 Education Games . . .			
MA/JU	**EXPLORING THE XL**	10/54K	AMS0584	ADS0584
	Feature Programs: ESCAPE FROM EPSILON, SCROLLING TUTORIAL, ANIMATE FROM BASIC (part I), COLOR TV ADJUSTER, TALK TO YOUR ROBOT (part III), and Photo/technical Anatomy and Evolution of the 800XL, Profile: James Levy (Activision CEO) . . .			
JULY	**TELECOMMUNICATIONS**	6/38K	AMS0784	ADS0784
	Feature Programs: AMODEM 4.2 (850 version), WORLD OF ATARI/SHORTWAVE, STARSECTOR DEFENSE, LAPTOP-TO-ATARI INTERFACING, RUN ROBOT RUN (part IV), C LANGUAGE TUTORIAL, and Plato Rising (The Definitive Learning Phone), ANIMATE FROM BASIC (part II) . . .			
AUG	**DISK DRIVE SURVEY**	6/67K	AMS0884	ADS0884
	Feature Programs: HORSPLAY (Racetrack handicapper), CREEPY CAVERNS (Anthony Ramos's arcade classic), VARIABLE XREF & RENAMER, SIMON (Memory Game), and Disk Drive Survey, Logic According to Boole, ATR-8000 Evaluation, Profile: Lucasfilm's Ball Blazer and Fractalus Design Team . . .			
SEPT	**COMPUTER GRAPHICS**	11/65K	AMS0984	ADS0984
	Feature Programs: 128 COLORS FOR MICROPAINTER/ILLUSTRATOR, FADER, EASY MODE CONVERTER, DRAWING FUN, OLYMPIC DASH, COPYMATE, and Unlocking the 56 Graphics Modes, Rotate Your Player, Pilot, Graphics Product Survey . . .			
OCT	**LEARNING MAGIC**	9/63K	AMS1084	ADS1084
	Feature Programs: PLUS & MINUS, MOLE ATTACK, CHABOT'S 4/5 CHAR. ANIMATOR, P/M BOUNCING BALL (Fox & Waite), DIVER, JACKS, and Action!, Solving Problems with Logo, Top 18 Edu. Programs, Tutorials . . .			
NOV	**COMPUTER ADVENTURES**	9/60K	AMS1184	ADS1184
	Feature Programs: ADVENTURE ISLAND, ADVENT X-5, OMNIVENTURE, WINDOWS (part I), CREATE YOUR OWN CURSOR, and We Solved 8 Infocom's, 4 Adventure Articles, Assembly Language Tutorial I (by Mark Andrews—Atari Roots) . . .			
DEC	**BUYERS GUIDE**	6/30K	AMS1284	ADS1284
	Feature Programs: INFOBITS (Database System), BANNERTIZER, BIFFDROP (J.D. Casten's classic!), WINDOWS (part II), and Assembly Language Tutorial II (Andrews), 125 Best Atari Products of 1984 . . .			
'85 JAN	**SUPER UTILITIES**	7/62K	AMS0185	ADS0185
	Feature Programs: DISKIO, TYPO II, BASIC SEARCHER, TOUCH TABLET CURSOR, WIDETEXT, O.T., SCRAMBLE, and Op-Code Finder (Assembly), XL Parallel Bus Revealed (part I), Profile: Dan Bunten (Seven Cities of Gold) . . .			
FEB	**MONEY MASTERY**	8/67K	AMS0285	ADS0285
	Feature Programs: HOME LOAN ANALYZER (Type-in the APX Award Winner!), CURRENCY CHANGER, INCOME TAX SPREADSHEET (Syn-Calc), DRUM/BASS SYNTHESIZER, KOOKY'S QUEST, and Tramiel Declares War!, S.A.M. Handler (Assembly), XL Parallel Bus Revealed (part II) . . .			

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		# Progs/K	Mag No.	Disk No.
MAR	**ULTIMATE PRINTER GUIDE**	8/61K	**AMS0385**	ADS0385

Feature Programs: KWIK DUMP (Best Graphics Dump), FONTMAKER, CUSTOM PRINT (for Atari special char's. by Matt Ratcliff), LABELMAKER, KEYBOARD MACRO COMMANDER, TWO BIG GAMES, and Secrets of Atariwriter, Printer Guide, XL Parallel Bus Revealed (part III) . . .

APR	**COMPUTER FRONTIERS**	10/87K	**AMS0485**	ADS0485

Feature Programs: S.A.M. SPEECH EDITOR, EIGHT QUEENS PROBLEM (Solution), PRICE'S PAINTER GETS FRIENDLIER, DOT MATRIX DIGITIZER, CRYPTOGRAPHY, MANEUVER, CRAZY EIGHTS!, and Welcome to ANTIC ON-LINE, Expert Systems, XL Parallel Bus Revealed (part IV), Profile: Nolan Bushnell . . .

MAY	**3RD ANNIVERSARY ISSUE**	10/86K	**AMS0585**	ADS0585

Feature Programs: SON OF INFOBITS (Database Editor), TSCOPE AUTODIALER, ARENA RACER, BEER PARTY ATARI, MODE MIXER, FADER II, AMAZING (Action! game), and ST: Meet the 68000, GEM overview . . .

JUNE	**COMPUTER ARTS**	10/173K	**AMS0686**	ADS0686

Feature Programs: VIEW 3-D, GRAPHICS UTILITY PACKAGE (For Atari BASIC), PICTURE ENHANCER, GUITAR TUTOR, THE MUSICIAN, HELICOPTER ROUND-UP, TURBO TYPO II, and MIDI overview, Logo music, GEM Seminar coverage, Profile: Ron Luks (SIG*Atari) . . .

JULY	**COMPUTER CHALLENGES**	8/145K	**AMS0785**	ADS0785

Feature Programs: 3 Puzzles (CRYPTOQUOTES, SLIDE, NAME THAT SONG), 4 Arcade Games (STAR VENTURE, DARKSTAR, OVERFLOW, MINIATURE GOLF), and 130XE Bank Switching, Everything About Every DOS, Profile: Joel Billings (SSI) . . .

AUG	**TELECOMPUTERS**	9/117K	**AMS0885**	ADS0885

Feature Programs: ATARI 'TOONS (BBS Cursor Art), WETMORE ON THE 1030 MODEM, 1030 PROTERM, DISPLAY MASTER (Special Effects), VALLIANT, and ST SECTION I (Kermit Transfers, Interior View, Desktop Intro), Profile: The Microbits Boys . . .

SEPT	**POWER PROGRAMMING**	10/60K	**AMS0985**	ADS0985

Feature Programs: BASIC REVISION C CONVERTER, 16-BIT MUSIC, 130XE ONE-PASS COPIER, MIRRORED DISPLAY LISTS, SOUND EFFECTS LIBRARY, FINE SCROLLING WORLD (Andrews, part I), 8 QUEENS ACTION!, PAGE FLIPPING, CRICKETS, and ST SECTION II (1st Address Map, Using GEM Control Panel, Hi-res Art) . . .

OCT	**MIND TOOLS**	8/54K	**AMS1085**	ADS1085

Feature Programs: GRAPH 3-D, YOGA BREATHING, BANJO PICKER, ALIEN ASYLUM, LEMONADE (APX hit economics simulation!), FINE SCROLLING WORLD (part II), and ST SECTION III (CD-ROM IN DEPTH, 1st ST Benchmark, GEM COLOR Program), S.A.T. Software Review . . .

NOV	**NEW COMMUNICATIONS**	8/63K	**AMS1185**	ADS1185

Feature Programs: MORSE CODE RECEIVER/TRANSLATER, RAPID GRAPHICS MODE CONVERTER, 130XE MEMORY MANAGEMENT, MORE TYPO II ENHANCEMENTS, VAMPIRE RATS, FAST CURSOR MOVES, and Radio Modems and Software Overview, ST SECTION IV (ST Uses IBM Disk Files, ST Sound) . . .

DEC	**4TH ANN. SHOPPERS GUIDE**	6/71K	**AMS1285**	ADS1285

Feature Programs: DISKIO PLUS (Enhancements Plus 2.5 Compatibility), BBS CRASHBUSTER (Ratcliff), BUILD YOUR OWN EPROM BURNER, BOX-IN (J.D. Casten), and 100 Best Atari Products, Profile: Lucasfilm Design Team, ST SECTION V (Intro To 520ST Assembly Lang., ST LOGO Exploration, ST Products Guide) . . .

'86 JAN	**ATARI PRODUCT REVIVAL**	7/69K	**AMS0186**	ADS0186

Feature Programs: APPOINTMENT CALENDAR, DUNGEON MASTER'S APPRENTICE, BINGO CALLER, SYSOP SANTA CLAUS, WIREBALL, and Mapping the XL/XE (Ian Chadwick), ST SECTION VI (ST FONT LOADER, TOS Roadmap, UK Software) . . .

		# Progs/K	Mag No.	Disk No.
FEB	**PRINTER POWER**	26/57K	**AMS0286**	ADS0286

Feature Programs: T-SHIRT MAKER, INSTANT-DOS, DOS 2.5 FOR AXLON, MULTI-COLORED PLAYERS, WARRIOR 3000, 1020 PLOTTER, BASIC ON/OFF SWITCHER. ST SEC VII (FORTH ESCAPES, ST Disk Secrets, Crash Clues)

MAR	**PRACTICAL APPLICATIONS**	25/49K	**AMS0386**	ADS0386

Feature Programs: LIE DETECTOR, STICKWRITER, HOME HEARING TEST, LUNAR LANDER CONST. SET, and Atari at Work, New Owners Column. ST SEC VIII (MIDI DRIVER, LOGO MODERNE, HIPPO SOUND).

APR	**COMPUTER MATHEMATICS**	17/46K	**AMS0486**	ADS0486

Feature Programs: FRACTAL ZOOM, GUESS THE ANIMAL, LIFE REVISITED, 3-D TIC TAC TOE, V(ERSION) SAVER, and New Users Column part 2. ST SEC IX (3-D FRACTALS, ST Cartridges, GEM and BASIC-VDI)

MAY	**4TH ANNIVERSARY ISSUE**	17/68K	**AMS0586**	ADS0586

Feature Programs: MOLECULAR WEIGHT CALC, MYGARDEN, POSTERMAKER, JOYSTICK CURSOR, ROCKSLIDE, HEXCONVERTER, and New Users Column Part 3. ST SEC X (JoySTick, ST PONG, and more).

JUNE	**SUMMER COMPUTING**	10/95K	**AMS0686**	ADS0686

NEW!

Feature Programs: WEATHER WIZARD, DECIDE, MATH ART, RECIPE CONVERTER, PERPETUAL CALENDAR, BOMB SQUAD and New Owners Column 4. ST SEC XI (BASIC BIORHYTHMICS, FILE I/O INTRO, 68000 Exceptions and Interrupts II).

JULY	**DEGAS CONTEST WINNERS**	11/129K	**AMS0786**	ADS0786

NEW!

Feature Programs: ARTMAKER, CARD SHUFFLER, DESERT CHASE, VIDTEX CONVERTER, New Owners Column 5, Disk Bonus: HI-SPEED VIDTEX CONVERTER. ST SEC XII (GrafCon ST 1, DEGAS Competition winners, 68000 Exceptions and Interrupts III).

AUG	**TELECOMMUNICATIONS**	6/93K	**AMS0886**	ADS0886

NEW!

Feature Programs: LINKLINE, FLOPPY FILER, FILE MASTER, BUMBLBEE, ULTRAFONT, Disk Bonus: 5 FONTS, Modem/Software Source List. ST SEC XIII (LINKLINE, ONLINE PICTURE VIEWER, GrafCon ST 2).

SEPT	**WEATHER SATELLITES**	7/117K	**AMS0986**	ADS0986

NEW!

Feature Programs: WEFAX (weather facsimile) DECODER, WEATHER CALCULATOR, BASIC TRACER, SSSNAKE!!!, Disk Bonus: WEFAX picture, New Owners Column 6. ST SEC XIV (ST WEFAX DECODER, Disk Bonus ST WEFAX picture).

BONUS	**THE CASTEN GAME DISK**	10/80K	ADS0001

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ANTIC ST SECTION COMPENDIUM **#SB0101**

A packed 3.5" disk! Includes *object* and source code for all ST programs in the August, '85 through January, '86 issues. Featuring FONT LOADER Desk Accessory (and a baker's dozen of fonts), SOUND.C (sound chip demo), COSINE (graphics), plus LOGO programs and some in-house code that's never been seen before.

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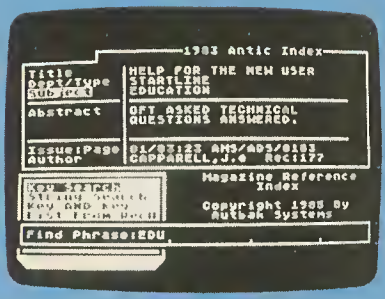
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