SOFTDISK™

for Apple II+®, IIe, IIc, IIc+, and IIGS

BACK ISSUE
Catalog

A Word about *Softdisk* ...

Jim Mangham established **Softdisk** in September 1981 by mail-
ing the first issue of ***Softdisk*TM** to fifty Apple® owners. The first
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ISSUE #1 (One 5.25" Disk)

Learnit — Memorize text the easy way with the help of your Apple.
Dollar — A subroutine for formatting numerical values into dollars and cents output.
Using — Print out numbers in whatever form you wish.
Softdisk Print All — Print all text files on the earliest *Softdisk* issues.
DOS Command Changer — Edit DOS commands and error messages to read the way *you* like them!
John's VTOC Map — View a track and sector map on your screen.
Listing HELLO — Select your program by number.
Graphics — Learn how to use hi-res graphics.
Flash Cards — Let your Apple teach you French.
POKE & PEEK Name & Date — An easy way to use dates in your programs.
CTRL Find — Find those hidden control characters in filenames.
Super RAT — Read all your text files, sequentially or randomly.
Reminder System — Keep track of all your appointments.
Softdisk Database — Create a database for any application.

ISSUE #2 (One 5.25" Disk)

Fire Organ — *Thirty-five* light shows in a demo of the CEEMAC dynamic-graphics language!
Icebreaker — Break the ice of DOS random file-processing.
Super RAT — Read all text files — even if you don't know their record length.
Num Conversion — Enter a number and receive its binary, hex, and decimal equivalents.
Revolving Words — Spice up text on your screen.
Music — The first music ever written for *Softdisk*.
Professor Backwards — See words or phrases *sdrawkcab*.
Short Sort — A demo to give you a headstart at sorting.
Life Expectancy — Decide if you believe what this program tells you.
FreeCAT — Find out how many free sectors you have on your disk.
Paddle Test — Test your paddles or joysticks.
Address Labels — Three label programs to add to your collection.
Checkbook — Let your Apple help you balance your checkbook.
Lo-Res Graphics — Print out a lo-res picture on your printer.
Magic trick — A program which might be real magic — or only a trick!
Dater — Add the current date to your programs.
Comparer — Compare two files to see what changes have been made.
Random — Learn something you did not know about random numbers.
Picture Packer — A packing routine for hi-res graphics.

ISSUE #3 (One 5.25" Disk)

Happy Birthday — Make someone happy by running this program!
Dunking Machine — You will think you're at the county fair.
Grade — A computer gradebook for teachers.
Location — Find the length and address of the last BLOADed (or BRUN) binary file.
Planet of the Robots — Take a trip into the future.
Buzz Phrase Generator — Create some buzz words of your own.
Song Writer — Try being the composer you have always wanted to be.
One Six-Sided Die — A subroutine for you to use in your programs.
String Art — Your Apple shows you how artistic it can be.
Headlines — Extra! Extra! Make your own headlines.
Simple Simon — An interesting variation of the popular favorite.
Speed Reading — Increase your reading speed.
Fraction Multiplier — Math can be fun when you have your Apple to help.
Kinetic Art — Your Apple can create wonderful designs by itself!
Keno — A betting game that is much cheaper than a trip to Vegas.
Cows & Bulls — You're on your own this time!

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ISSUE #4 (One 5.25" Disk)

Kirby HELLO — A nice HELLO program to add to your collection.
It — Run IT and find out what IT does.
Flexible Menu — Select your programs the easy way.
Smurk — An entertaining adventure game awaiting your solution.
Radar Defense — A hi-res game to entertain you.
Keno Prog — A variation of another Las Vegas favorite.
Remember Letters — A version of "Simon" that is really different!
Yahtzee — The familiar game — *without* the dice.
Dictionary Game — An excellent party game.
Scrabble Help — An aid for all players of the classic board game.
Banner — Create your own custom banner for that special occasion.
Hi-Res Metronome — A more dependable alternative than tapping your foot.
NumPad — A numeric keypad for Everyman.
Century Date — Find out the day of the week certain events took place.
PDL Evaluator — Test your paddle or joystick, or even the latter's buttons!
RND — A random-number generator you will find useful.
Grade Curver — If you grade papers, you will treasure this one!
Chemistry Drill — Let your Apple help you pass that chemistry test.
Boat Shopping — Compare before you buy a boat or other related equipment.
KAFML — A correction to our database program in Issue #1.
KAFM Key Print — Use with our Issue #1 database program to learn the file structure we used.

ISSUE #5 (One 5.25" Disk)

First Busy Signal — Perhaps a solution to an annoying part of your life.
Some Good Sound — A collection of music to enjoy.
Defender — Try to save planet Earth in this adventure.
Nicomachus — Choose a number and have your computer guess it!
Pig Latin — A conversion program for the language of fun.
Jumbler — Have your Apple jumble the letters, then sort them out again.
Fortune Teller — Find out what the future holds for you.
S.A.M. — No quarter is necessary to play this clever arcade game.
Biorthythm — Find out what your good days will be.
Dancin' Words — Imagine! A square-dancing Apple!
Hewitt Graphics — A color graphics utility that will wow you.
Spitz — Watch this Olympic sport any time!
Impossible — A combination of hi-res graphics and text.
Emil's PDL Tablet — Use joystick or paddles to design almost anything.
Kaleidoscope — An impressive demonstration of your Apple's color capabilities.
Converter — A handy measurement conversion tool.
SAT Test — Improve your vocabulary.
Applebacus — Learn how to add on an abacus.
Math — A tutorial for 1st through 3rd graders.
Word Problems — Another entertaining and instructional math game.
Calendar — Let your Apple find the date for you.
Memocap — A routine which will tell you how much of your Apple's memory is available.
Free Space — Find out the number of free sectors on your disks.
Cookbook — A program any home chef will love.
Musician — Your Apple becomes an organ that can save your musical creations.

ISSUE #6 (One 5.25" Disk)

Pop Quiz — There's no need to dread *this* quiz!
Garrison's Show — All you need to do is sit back, watch, and enjoy!
The Dungeon of htaM — Learning has almost become *too* much fun.
Sir Isaac's Apple — Get out your paddles or joystick — and *your* Apple.
Hangman — Increase your vocabulary as you play this standard.

ISSUE #6   (Continued)

History Quiz — A quiz can teach you more than you think.
Mastermind — An Apple variation of the popular game.
Stereo — You will find that 3-D on your Apple is quite impressive!
Castle — A display featuring your Apple's graphics capabilities.
Spirograph — Turn your Apple on — and loose!
Bumble Bee — An endlessly-running lo-res graphics demo with sound.
Super HINEM Bit Nibbler — A program guaranteed to copy "ANYTHING."
Nested Menu — A nice, friendly way to make program selection easier.
Amount Writeout — Try working this utility into your check-writing program.
Electronic Library — Keep track of your magazine articles, computer-related and otherwise.
Metric Magic — Take the headache out of metric conversion.
Quilt Program — Figure your material requirements *without* a pencil!
Home Computer Inventory — Keep an inventory of all your hardware and software.
Decision Maker — Your Apple can help you make the right one.

ISSUE #7   (One 5.25" Disk)

A Short Adventure — Another entertaining adventure game for your collection.
Stop/Go — A color-and-sound treat for the very young.
Screensize — Run it and find out what it is all about.
Checkerboards — Select the checkerboard you like best.
Spaceget — Find out how many sectors you have left on your disk.
Super RAT — Read sequential and random text files with this handy utility.
Data Writer — Convert binary data to a text file which can be EXECed into a BASIC program.
Date HELLO — Keep track of the date and use it in your programs.
LIST — Print your program in an easy-to-read format.
Picture Packer — Pack and un-pack hi-res pictures and get more on your disk.
Weight Calculator — Find out more about yourself than you may want to know!
Recipe Catalog — Your recipes will never get lost or messy again!
DUP Label — A worthy addition to your label collection.
EXEC File Tutorial — Learn all about using EXEC files.
Hi-Res Flipper — See what you can learn from RUNning this program.
Porkyjump — A clever demonstration of page-flipping.
Shape Display — A utility illustrating the use of shape tables.
"&" Hook from BASIC — Discover the true value of the "&" statement.
Random File Lesson — Learn how to use random-access files.
Middle Ages Quiz — Brush up on your history.
Dates in History — A "what happened when" quiz to jog your memory.
Music — An interesting combination of music and graphics.
Educational — The probability of rolling a "7" may astound you.

ISSUE #8   (One 5.25" Disk)

Snake — Try to avoid the snake as long as you can!
Stars — A guessing game in which your Apple supplies the clues.
Space Gom — Take off into outer space in this text adventure.
Horse Race — Bet on the ponies and let your Apple keep track of your winnings.
Random Walk — How far will a man walk in ten steps if he selects a random direction with each step?
Smiley Face — A program to bring out the child in all of us.
Siren — A clever sound routine to use in your programs.
Hex to Ten — Hex-to-decimal conversion will never be a problem for you again!
EXECumatic — A tutorial on EXEC files.
Draw Shapes — Draw shape tables and save them to disk.
Jury — Select the most-qualified jurors for an important trial.
Stopwatch — The only problem with this stopwatch is how to carry it!
What I Do — Find out what your Apple is all about.
Matrix Magic — Learn all about matrix techniques.

ISSUE #8 (Continued)

Vocab — Improve your vocabulary with a little help from your Apple.
The Table — A true helper for the student of chemistry.
Ion Test — If ions give you a charge, this one's for you.
Sort Routine — Sorting things won't be hard any more.
Bubble Sort — Watch the bubbles rise in this colorful bubble sort.

ISSUE #9 (One 5.25" Disk)

Quizzer! — Teachers, create your own quizzes.
Management Style Assessment — Find out what your management style is.
Lien Escape — Rescue the princess and collect the money!
Alivader — An arcade adventure requiring joysticks or paddles.
Birthday Card — Wish someone special a happy birthday.
Epicurean HELLO 1.1 — A valuable addition to your HELLO library.
Capture — Merge subroutines into your BASIC programs quickly and easily.
Financial Series — A finance program that is certainly worth the money.
Record Timer — A handy program for anyone who records LP's to tape.
Physics Lesson — Try for a passing grade!
Matchmaker — In order to win, you will have to jog your memory.
Estimation — This surprise ending will get your attention!

ISSUE #10 (One 5.25" Disk)

Calc-Man — Believe it or not, a cross between VisiCalc and Pac-Man!
Electric Letterhead — Design your own letterhead!
Connect 4 — A two-player version of the popular game.
Name the States — Review the locations of the U.S. states.
Gil & Sully — A lo-res tour through some of Gilbert and Sullivan's best-known shows.
Squiggles — A hi-res demo for your enjoyment.
Music Play — Some great computer creations which will be music to your ears.
Name Changer — Change the name of your disk to something that makes sense!
Shape Table Assembler — Assemble shapes into a multi-shape table.
All-Base Converter — Take a number from any base and convert it into any other base.
Moroniquiz — Surely you can supply all the correct answers!
Three D Apple Prisoner — An adventure game sure to become a collector's item.
Apple Screenwriter — Find out how Hollywood gets all its story ideas.
Apple Stopwatch — The latest word in digital watches.
Make a Mess — Be an artist with this joystick-controlled drawer.
The Magic Hat — Buy a ticket and go to the magic show.
Label Printer v.1.1 — Select the desired label size and the number you want to print across.
Plotter 1.3 — Print out a summary of any survey data.
Money Market — Find out if your money fund is making any money.
Hidden Line 3-D — Draw 3-D pictures with the hidden lines removed.

ISSUE #11 (One 5.25" Disk)

BASICalc — A super spreadsheet program!
A Duel — It's "dueling paddles" time with your friend.
Space Chaser — A fast-paced space arcade adventure requiring swift fingers.
Dive Bomber — A challenging two-player strategy game.
UFO II — Take a trek into outer space!
Artillery — Fire away if you think you can hit the target.
JFK — Turn on your printer for a computer picture.
MiniAssembler — An assembler which works the way the Apple reference manual says it should.
Memory Test — Find out if your Apple's memory is as good as you think.
Salyer HELLO — Keep a date file updated.

ISSUE #11 (Continued)

NFL Ranker — Predict winners in the National Football League.

Decision Maker — Receive computer help in making that all-important decision.

Intruder Alert — Scare away any intruders with this alarming program.

Super Scores — Keep track of high game scores for future reference.

Car Loans — Before buying a new car, "test-drive" this program!

Fraction Practice — A fun way for the kids to practice their fractions.

Roots and Prefixes — A helpful review of Greek and Latin contributions to our native tongue.

Balloons — Try and hit the balloon on your very first try.

Animate Cow — View a demonstration of moving a shape around with paddles or joysticks.

Compiler Demo — Visually compare the regular and compiled versions of a program.

Elf — Spice up your text screens!

ISSUE #12 (One 5.25″ Disk)

Othello — Our Apple version of the popular game.

Fisherman's Wharf — Grab your paddle or joystick — instead of your rod and reel! — and catch a live one!

PRINT & INPUT Routines — A collection of 36 routines for adding that professional touch to your programs.

Morse Code — Take advantage of this chance to learn the Morse code.

AMPM — Calculate the times of sunrise, sunset, dawn, and dusk for any date and place.

Checkbook Balancer — Keep your checkbook up-to-date and in balance.

Quiz Machine — Create your own multiple-choice quizzes.

Trivia — How many trivial answers do you know?

Text Window Demo — Learn how to create and use a text window.

BASIC PRINT Demo — Brush up on INVERSE and FLASH, among other things.

Good Music — Some computer-easy listening for your relaxation.

Just a Myth — Find out how much or how little you know about mythology.

Cookbook Revisited — An update of our famous cookbook.

ISSUE #13 (One 5.25″ Disk)

Hi-Res Movie, Part 1 — The first hi-res movie to appear on disk!

Matchmaker II — Teachers, generate matching tests for your students.

Jukebox — No coins are required to hear a song!

Invaders — An arcade game sure to keep your interest.

NIMbot — A variation on the theme of NIM.

Roadrace — Keep your car away from the retaining walls!

Bug Finder — Bugs and exotic creatures pop up everywhere!

Whoops & Fidgets — Watch in amazement as your Apple really does its thing!

SCRN Dump — Dump an entire screen of text to your printer.

Q&D RAT — A handy utility for reading any text file.

Figure Drawer — Create and color circles, spirals and other geometric figures.

Shoplist 3.1 — Take this list with you when you go shopping, and you won't forget anything!

Amortization — Find out how much a loan is really going to cost you.

Equip Lister — Save a list of items to the disk and print them out.

Astronomy Quiz — See if you have what it takes to become an astronomer.

Hi-Res Solar System — You'll think you're in orbit when you run this one!

DOS Tutorial — Your computer knows DOS better than anyone!

Spectrum — Find out what the colors mean.

Simpson — Use Simpson's rule to make calculus easy.

Graphing Functions — Let your Apple do the work and graph your functions for you.

Slide the Letters — Learning about the alphabet is as easy as A,B,C!

Match the Pitch — A sound activity definitely not for the tone-deaf!

ISSUE #14 (One 5.25" Disk)

Othello II — Another version of the ever-popular **Othello**.
A-Maze-ing — Try to find your way through *this* maze!
Life — An old favorite is resurrected!
Towers of Hanoi — A modern version of a game which has been around since at least the 1880's.
Crazy Stones — Gather family and friends and all go ''crazy'' together!
Paddle Mushroom Garden — Find out how your mushroom garden grows.
Master CATALOG — A utility for cataloging all your disk CATALOGs.
File Code Changer — A quick way to change all your file codes and confuse whomever needs confusing.
Financial Wizard — Financial help for anyone who spends money.
Word Power — Add your own words to this vocabulary-building quiz.
TMH Subs — A whole group of useful routines for various tasks.
Hi-Res Movie, Part 2 — Follow the continuing adventures of Indiana Jones.
Christmas — The best way *ever* to send your Christmas cards!
Christmas Special — A card made ''special'' by its music and graphics.

ISSUE #15 (One 5.25" Disk)

Riddles — All the answers are right before your very eyes!
Logic Problem Solver — Solving logic problems does not have to be difficult.
Crystal Simulation — Learn about crystals and their structure by actually seeing them!
Polar Plot — Plot equations with this educational aid.
Counter — Another useful tool for teachers.
Horoscope — Decide if what it says about you is true.
BioPlot Scribe — Get a beautiful printout of your biorhythm chart.
Disk Verify — Find and lock out bad sectors on your disks.
Hex-Dec Converter — Convert from hex to decimal the computer-easy way.
Boot Program Changer — Change ''HELLO'' to anything you want.
RAM Test — Make sure you don't have a bad chip in your Apple.
Kaleidoscope — Watch beautiful graphics designs appear on your screen.
Stars One-Liner — Display random-sized stars randomly!
Number Take-Off — Either you or your Apple will win, hands down!
Craps — A hi-res version of the popular dice game.
Hangman — A lo-res version of the classic game in which you or your computer can choose the words.
Othello III — Practice playing with a patient, forgiving opponent — your Apple!
The Incredible Shrinking Man — A hi-res adventure that will keep you thinking.

ISSUE #16 (One 5.25" Disk)

LIST in Applesoft — Study this program and learn how Applesoft programs are stored in RAM.
Fun with Math! — A math drill using lo-res graphics.
Recipe Proportions — A real kitchen-aide of a program!
Phone List — A search program you can use even if you know only the first letter of the name.
Mailing Labels — A helpful application for sorting, editing, and printing labels and a master list.
Lucky Numbers — Display computer-selected random numbers.
Prediction Program — You will have to decide if predictions made are *really* possible.
Text Editor — Edit, format, and compile text into two columns.
LHS Disk Map — View all sectors on your disk in glowing lo-res color.
MEMDump — Display a range of memory on-screen in hex and ASCII.
Restore @ — A machine language routine which RESTOREs the DATA statement pointer to a specified line.
Name Faze — Print randomly a string on-screen.
Electric Eraser — A really *different* text editor!
Hopper — A strategy game that appears impossible to win.
Vac-Man — An unusual game, the likes of which you have never seen!
Ten-Minute Recital — Take a break and listen to some music.
Sound Effects — Unique sounds you may want to include in your own programs.

ISSUE #17   (One 5.25″ Disk)

Say That Again Quiz — The first in a series of quizzes from *Games Magazine*.
Compiler Demonstration — View the actual difference between a compiled and an uncompiled program.
Program Locator — Find memory space information on a BASIC program.
Variable Keeper — Protect your variables and strings from the CLEAR and RUN commands.
Greek Column Tutorial — An illustrated article on Greek columns and an excellent example of CAI.
Spelling Tutor — A hi-res Hangman-like game with an editor for adding your own words.
Doctor — A trip to the doctor's office should be so inexpensive!
Calendar — Print or display a calendar for any month or year.
Helioselene — Of particular interest to astronomy buffs everywhere!
Integer BASIC — A free-standing version that doesn't need to be loaded into a RAM card.
DOS Chopper — Free up more data disk space by getting rid of DOS.
Modem Program — Never dial another number if you have this program and a Hayes Micromodem.
Color Slot Machine — An integer BASIC version of an old favorite.
Guess It — A guessing game with a difference!
Tic-Tac-Toe — The classic strategy game in hi-res graphics.
Toccata & Fugue — Another musical feast for the ears.
Bowden's Adventure — A hi-res game to enthrall you.
Hello! My Name is ''Apple'' — Hear your Apple talk — with *no* speech card required!

ISSUE #18   (Two 5.25″ Disks)

The Quest **Demo** — A self-running demo of Penguin Software's hi-res adventure game.
Recipe File 1.3 — Jim Ganz's perfect program for anyone who cooks.
Saturn Shots — A slide show of digitized hi-res photos from the *Voyager* fly-by!
For Bird Brains Only — The answers are all bird names in this *Games Magazine* quiz.
Fast Hi-Res Erase — Erase to any hi-res color, *not* just to black!
INPUT Anything Demo — Commas, colons, or quotes can be accepted with no problem!
Interactive — A tutorial on prompts and INPUT to improve your programs' user-friendliness.
Multiplication Flash Cards — A quiz which saves missed problems to disk for future review.
Addition & Subtraction Drill — A quiz which also saves missed problems to disk for future review.
Lo-Res Painter — Draw, store, and edit lo-res pictures with plenty of colors!
Text File Reader — Display or print any text file, sequential or random.
Line Number LISTer — List out all the line numbers in your program in four easy-to-read columns.
Trace — An ML routine which simulates the old monitor's ''T'' command for the autostart ROM.
Apple II Copy — A combination Applesoft tutorial and utility.
Hi-Res Drawing — Draw on the screen and save your pictures for later editing.
MX-80 Print Modes — Choose Epson print styles from an easy-to-use menu.
IBM One-Liner — A beautiful hi-res graphics display generated by only *one line* of Applesoft BASIC code.
3-D Tic-Tac-Toe — Play against the computer on a hi-res screen.
Even Wins — Try to win 32 times as your Apple gets smarter and smarter.
One Foundation — *Softdisk's* first hi-res solitaire game.
Q&D Duet — Jim Weiler's *Electric Duet*-compatible two-voice music editor program.
Puzzle Corner — Arrange 16 matches as five squares, or move two and get four squares.
Back Issue Index — All program files from the first 17 issues of *Softdisk* in one index.
Q&D RAT — A new and improved version which now reads all text files even better than before!
21 PAL Programs — Now we call them ''Pipings''.

ISSUE #19   (Two 5.25″ Disks)

The Last One Demo — A self-running demo of a program generator.
Horseplay Quiz — The third in a series from *Games Magazine*.
Hi-Res Text Tutorial — Learn how to put text on the hi-res screen.
Nuclear Reactor — You will discover that running a nuclear reactor is not easy at all!
Function PLOT — A useful educational program for plotting all kinds of functions.
Citric Acid Cycle — An unusual application for your Apple.

ISSUE #19 (Continued)

The Metric Clown — Be entertained and learn the Metric system at the same time.
Mini Quiz: Planets — Find out just how much you know about the solar system we call home.
Time of Your Life — Receive an estimate of which factors affect your longevity.
Typing Exerciser — Do your finger exercises and start typing!
Text Analyzer — Let the computer evaluate the reading level of what you write.
REMover — Remove REM's to speed up and condense your programs.
Sector Scan — Display a map of your disk to your screen.
Applesoft-to-Text Converter — A converter which will prove useful for merging, editing, or sending by modem.
Disk Modifier — Change any byte of any disk sector.
Graphics Display — Let your Apple be the show-off it can be!
Red Dog — Play this Las Vegas-style game in the comfort of your own home.
Snake Snack — Keep your snake alive by making sure he has his snack.
French Military Game — A strategy game in which your computer learns from its mistakes.
Page-Flipping Tutorial — Learn how page-flipping can improve animation.
For the Wee Ones — An alphabet game for the little ones in your family.
Muppet Movie **Music** — Eight musical selections from the magical movie.
12 PAL Programs, Hints, and Tips — More of what we are now calling "Pipings."

ISSUE #20 (Two 5.25″ Disks)

A Tip from Sandy — Get some interesting results while learning to use lo-res graphics and text.
Apple Hangman — A multi-level version of the standard letter game.
Vocabulary Flash Cards — Expand your vocabulary the easy way.
Keyboard Tutor — A typing tutor which utilizes your hi-res screen.
Checkbook Checker — Get your checkbook in sync with the balance on your bank statement.
Color Organ — When you press a key, see a color and hear a sound!
Master Program Index — A program to help you keep up with all your *other* programs.
CATALOG Organizer — Sort your catalog and get rid of deleted files.
Super-REM Plus — Create custom REM statements.
Variable Shorten — Shorten variable names to two characters and speed up your program.
Apple Simon — A lo-res version of the popular electronic game.
Apple Mastermind — Try to guess the number the computer has chosen.
Kalah — An interesting game for you to play against the computer or a friend.
Apple Kong — A fast-action lo-res arcade game.
Applesoft from the Ground Up, Part 1 — A tutorial by Dallas Snell, author of **The Quest** and **Ring Quest**.
Classical Music — Some easy-listening music for your enjoyment.
Brian's Theme Plus — This interesting variation will get your attention!
Accounts Payable **Quiz** — The fourth in the series from *Games Magazine*.

ISSUE #21 (Two 5.25″ Disks)

Donkey or Elephant? — Discover your *true* political leanings.
Computer Vocabulary — Learn computer-related terms with the vocabulary builder.
Word Game — A two-player anagram game.
Home Ledger — Keep track of your home accounts.
Date List — Let your computer keep track of your appointments.
Sector Transfer — Copy just the sectors you want with this utility.
HRCG Editor — Edit character sets created with HRCG and the DOS Tool Kit.
Text Path — Lead your text around.
Zonker Bonker — See if you can figure out the object of *this* game!
Think Ahead — Compete against the computer or a friend in this strategy game.
Space Lander — Land on an alien planet, but watch out for enemy missiles!
Machine Magic, Part 1 — A new tutorial series on machine language.
Applesoft from the Ground Up, Part 2 — Dallas Snell's Applesoft BASIC tutorial continues.

ISSUE #22 (Two 5.25" Disks)

Delay Routine — A tutorial on the writing of a delay routine.
Mountain Climb — A fun way to practice your addition.
The Mystery — Only one word will help you: *beware!*
Index of CATALOG Files — Your computer will keep track of all the programs you have collected.
Parapsychology Tester — Find out if you have E.S.P.
Gas Mileage — Figure out how economically you are running your car.
Ard's Screen Maker — A utility for creating interesting-looking text screens.
Cosmic Hangman — An arcade game with a difference!
Submarine War — Sink the enemy sub.
Maze — Wend your way through an intriguing maze.
Apple Sketch — Sketch your pictures on the screen, then save them to disk.
FIDget — An improved version of **FID**.
Machine "Magic", Part 2 — Our tutorial on machine/assembly language continues.
Applesoft from the Ground Up, Part 3 — Our Applesoft BASIC tutorial continues.

ISSUE #23 (Two 5.25" Disks)

Hi-Lo — View your lo-res pictures in print.
Blip Is the Blap of Bleep — An opportunity for you to create your own aphorisms.
Edison — A new computer language.
AppleWait — A tutorial about a helpful machine-language routine.
AUTOnumber — Save yourself from the drudgery of line number entry.
Text-Tricks — Spice up your screen display with this set of programs.
F-Solitaire — Shuffle the computer cards and try to win.
Applogic — Use logic to guess five-letter words.
Animated Anagrams — Watch hi-res letters move, but remember: you must guess the word.
Evolution — Two versions based on Conway's **Game of Life**.
Factors — Compute the integral factors of a number.
Right Triangle — Review finding any side in a right triangle.
Equipment Inventory — Keep track of all your equipment.
Package Mailing Labels — Print labels for packages in two different sizes.
Machine Magic, Part 3 — Our tutorial on machine/assembly language continues.
Applesoft from the Ground Up, Part 4 — Our Applesoft BASIC tutorial continues.

ISSUE #24 (Two 5.25" Disks)

Auto Program — Write a menu-driven program in half the time!
Hi-Res Image Mover — Move an image around on hi-res page one.
Display Variables — Display variable names *and* values in your BASIC program.
NIM — A hi-res version of the old favorite that is really hard to beat!
Rat Maze — Find out what it is like to be a rat.
Blackjack — Your Apple might win the shirt right off your back!
Killer Bat — A chiller for Halloween, or any other time!
Dungeon of ARBEGLA — An adventure game you can really learn something from.
Language Flash Cards — Learn Spanish, French, Hawaiian, or another language you don't know.
Charge — Find out what it feels like to be a particle in an accelerator.
Family Budget — Keep track of your expenses.
Flexible Amortization — A program to tell you if you can afford to buy your dream house.
It's a Small World After All — All this, and music and graphics, too!
Machine Magic, Part 4 — The machine/assembly language tutorial continues.
Applesoft from the Ground Up, Part 5 — The Applesoft BASIC tutorial continues.

ISSUE #25 (Two 5.25" Disks)

CATALOG Tool — A utility for making professional-looking CATALOGs.
CATALOG Printer — Make the printed CATALOG look just as fancy as the screen version.
RAM Disk — Now you can have a small *extra* drive!

ISSUE #25 (Continued)

Cycle Jump — Try to jump your cycle as far as possible — before crashing!
Monte Carlo — One of the best solitaire games around.
Linear Grapher — Plot and analyze linear equations.
Basic Math — Get ready for a surprise with this math drill.
Countries & Capitals — Your atlas will probably come in handy in this geography drill.
Alarm Clock — Transportability is *this* clock's only problem!
Strobe Light — Discover that your Apple is *almost* as good as a $200 xenon strobe.
Notebook — A personal notebook that never runs out of paper!
Glue Guide — Learn which glue works best with what.
Coupon Manager — Keep track of store coupons the easy way.
Christmas Music — Make your Christmas season brighter!
Machine Magic, Part 5 — The conclusion of our tutorial on machine/assembly language.
Applesoft from the Ground Up, Part 6 — The conclusion of our tutorial on Applesoft BASIC.

ISSUE #26 (Two 5.25" Disks)

Notebook — A unique program which saves data by modifying itself.
Built-In Base Converter — Convert decimal to hex without leaving your program.
Significant Digits — Line up decimal places in numerical data perfectly.
DOS 'n' Stuff, Part 1 — A tutorial series about writing on and reading a diskette.
History of the Computer, Part 1 — A humorous spoof on the origin of the computer.
Sandy's Laws — Murphy's Laws applied to home computers.
Household French — A pictorial lesson.
Trap — Be quick with your paddle and avoid moving walls.
Breakout — A fast machine language version of the popular game.
The Heaven Hunt — Find out if you know your Bible as well as you think you do.
Stocks — Get your portfolio in order and save data to disk as well.
Calendar — Print a calendar for any month since 1753 on printer or screen.
Softdisk **Envelope Maker** — Cut and paste your own disk envelope with hi-res pictures.
Touch Typing Tutor — A much better approach to improved keyboard skills than Typing 101!
Function Keys — Your Apple can have function keys, too.
Variable Display — View all variable values after RUNning your program.
Disk Edit — A useful disk utility from Chad Adams.
Program Menu — A self-modifying menu program.
Sounds of Apple — Some great music created the Apple way.
Back Issue Database (1983) — A listing of all programs in 1983 issues of *Softdisk*.

ISSUE #27 (Two 5.25" Disks)

Poker Solitaire — Play several interlocking poker hands at once.
Concentration — A version of the popular match-the-squares TV game show.
Twenty Easy Pieces — A hi-res jigsaw puzzle.
Fiver Dicer — A Yahtzee-like computer game.
Diet Program — Weight schedules based on calories, activity, weight, and other variable factors.
Fact Sheet — A friendly Rolodex-like filing system.
Cosmic Rebound — A lo-res graphic novelty to amuse you.
Copy + — An improved version of Apple's COPYA.
Doctor Dave — An educational program for learning the parts of speech.
Gas Law Problems — An educational chemistry program.
Flip-Spin-Twisties — Dress up your screen with flipping batons a la Beagle Bros.
General Ledger Tutorial, Part 1 — Write your own general ledger system.
Random-Access Files Tutorial — How to build your own disk files.
Q&D Track Copier, File Overlap Checker, and Disk Scanner — Use these utilities when a disk goes bad!
FatCAT — Increase the number of files allowed on a disk's CATALOG.
DOS 'n' Stuff, Part 2 — The DOS 3.3 tutorial continues.
History of the Computer, Part 2 — Our humorous history spoof continues.

ISSUE #28   (Two 5.25" Disks)

Time Bomb — A timed "which came first" quiz game.
Light Racers — A two-player game based on an idea from the movie "TRON."
Chomp — A two-player game similar to NIM.
Flash Cards — A flashy hi-res math drill for students in lower grades.
Calculus Plotter — A very powerful tool for producing graphical plots of mathematical functions.
Reading Analysis — Use the Gunning Fog index to determine the reading level of text material.
Secret Stuff — Keep a diary on your Apple that only you can read.
Anti-Scroll — Add an automatic "pause until keypress" to any program.
HCATALOG Sort — Quickly alphabetize your disk catalog.
Q&D Disk Compare — Check two disks byte-for-byte for similarities or differences.
Q&D Page Display — View memory in either ASCII or hex under joystick control.
Personality Test — Tell the doctor your favorite colors and he will tell you all about yourself.
AutoSound — Add sound to almost any Applesoft BASIC program.
LIST Messers — A good-for-nothing Apple quirk!
Apple Jam — A reversal of **Apple Juice.**
General Ledger, Part 2 — The business programming tutorial continues.
History of the Computer, Part 3 — Our humorous history spoof continues.

ISSUE #29   (Two 5.25" Disks)

Middle Earth Quiz — A delight for all Tolkien fans.
Family Tree Surgeon — Trace your roots — your genealogical roots, that is.
Hi-Res Image Mover — A graphics tool which rivals higher-priced ones.
Hungarian Light Show — View these images and decide on your own description.
Double Talk — Record voices and music on disk and play them back from BASIC.
Tri-Solitaire — A hi-res card game for all solitaire buffs.
Answer Sheet Generator — The answer to a teacher's prayer!
Message Center — A valuable disk-based bulletin board system.
Braille Writer — Mental stimulation for the sight impaired.
Hex Window — Perform decimal-hex conversions without leaving your program.
Screen Design Tool — Bat out the "look" of a screen before your program it.
Saint Pat — Timely music of the green.
VisiCalc 1040 Template — A helpful utility, deductible on your 1040!
BASICgraph — Generate bar and pie charts with this utility, courtesy of *Softalk Magazine.*
T-Dump — Add a new command to DOS to dump text files anywhere at any time!
General Ledger, Part 3 — Our tutorial on business programming continues.
DOS 'n' Stuff, Part 3 — The DOS tutorial continues.
History of the Computer, Part 4 — Our humorous history spoof continues.

ISSUE #30   (Two 5.25" Disks)

Stress Test — Let Drs. Holmes and Masudu compute your social re-adjustment factor.
Apple Detective — An Apple version of "Clue."
Loan Planner — A much better method than those little books filled with numbers.
Vocabulary Builder — Prove that "words are power" is true.
Typing Tutor — Improve both the speed and accuracy of your typing.
Ocean of Life — An analysis like this one could cost thousands of dollars!
Ledger — Tame your expenses and document your income.
Order Blank — Produce your own customized order blanks.
Sector Editor — Programmers can certainly use this utility!
Factor Polynomials — An aid for algebra students.
Crypto Helper — A puzzle-solving tool for cryptogram lovers.
High Score — Keep track of who scored what when.
Popcorn Billboard — Place an attractive, large-type message on-screen.
Slot Machine — A lo-res one-armed bandit.
Minotaur — Navigate a maze and grab crystals while avoiding the Minotaur.
Softy Says — You better do what he says, too!

ISSUE #30 (Continued)

Burton's Music — Four different two-voice compositions.
General Ledger, Part 4 — The tutorial on business programming continues.
DOS 'n' Stuff, Part 4 — Our DOS tutorial continues.

ISSUE #31 (Two 5.25″ Disks)

Stock Market Crash — A game so realistic you might be tempted to jump out the window — but don't!
Computer Roulette — Basic training for your trip to Las Vegas.
Take Thirteen — Another super solitaire game using Paul Zelman's hi-res deck.
Flag Hunt — Finding a hidden flag is more difficult than finding Easter eggs.
Rate Exchange — Print out an up-to-the-minute money exchange chart.
Notepad I.D. — Satisfy your human need for order and organization.
Prescription Expenses — An aid to better prepare you for April 15.
Print Modes — Discover *all* the features of your printer with this program originally designed for the Gemini 10-X.
BASIC Transitions — Put an end to boring slide shows.
Q&D PrintAll — Print out all sequential text files from *any* DOS disk automatically!
Monster Lair — Enter a maze forty times bigger than your screen!
File Wizard — A handy tool from Gary Bond.
General Ledger, Part 5 — An inadvertent duplication of Part 4 in this series.
DOS 'n' Stuff, Part 5 — An inadvertent duplication of Part 4 in *this* series!

ISSUE #32 (Two 5.25″ Disks)

Millennium Leaper — Prove our contention that this game is in the same league as **Donkey Kong**.
Three Musketeers — An original card game using Paul Zelman's famous card shapes.
U.S. War — In this East-against-West conflict, it helps to be Napoleon reincarnated.
Times Table Tutor — A multiplication drill featuring sound, color, and giant numbers.
Geometry Quiz — You may discover that today's high school tests are not what they used to be.
Marginal Tax Bracket — Tax estimation and interest rates on taxable and untaxable investments.
Job Preference — An occupational guidance tool.
Day's Slide Show — All interesting art is not in the art museum!
DOS 'n' Stuff, Part 5 — The DOS tutorial continues — *really!*

ISSUE #33 (Two 5.25″ Disks)

Olympic Directory — "Track" the events and compare the 1984 winners with those in 1980.
Olympic Pinball — A fine example of a game created with Bill Budge's **Pinball Construction Set.**
Grade Book — Store data for up to 100 students and 60 tests!
Data Master — Graph numeric data to your hi-res screen, and dump it to most graphic printers.
Weights & Measures — A program to replace your entire reference library on the subject!
Heat Stress — Prove that humidity can make it seem hotter than it really is.
Mastermind — The computer version of the popular logic-puzzle game.
Picture Runner — Save a hi-res picture so it will present itself automatically when BRUN.
Grappler + Dumper — An aid for dumping pictures with the Grappler printer interface.
Q&D CATALOG Label Printer — Print your entire CATALOG onto a diskette label in tiny letters.
General Ledger, Part 5 — The tutorial on business programming *really* continues!
DOS 'n' Stuff, Part 6 — The DOS tutorial continues.

ISSUE #34 (Two 5.25″ Disks)

Snake Duel — Navigate your snake through a maze without letting the *other* snake bite you!
Yacht — A fine computer version of **Yahtzee.**
Reel Facts — A collection of Academy Awards facts for the true movie fan.
On This Date — Your Apple remembers almost any historical date you can come up with.
National Anthems — A dozen hi-res national flags complete with music.
Surprise — We all wonder what lies beyond a closed door.
Tads — A fundamental math drill.

ISSUE #34   (Continued)

Number Conversion Tutorial — Computers have 16 digits, all comprised of 0's and 1's.
General Ledger, Part 6 — The business programming tutorial continues.
DOS 'n' Stuff, Part 7 — The DOS tutorial continues.

ISSUE #35   (Two 5.25" Disks)

Spelling Drill — Improve your spelling skills and receive an "A" as in "Apple".
Home Inventory — Keep a record of your possessions for insurance, warranty, and other good reasons.
Babysitter's Notes — Yet another task your Apple can help you with!
Baseball Adventure — The gate proceeds are hidden somewhere in the stadium!
Connect-a-Disc — Crank up your brain and think ahead in this teaser.
Take-Ten — A fun solitaire game using Paul Zelman's hi-res card shapes.
The Great Gamble — Not as much fun as Las Vegas, but not as expensive, either!
Nutrition Facts — Consider these facts when you design your diet.
Cosmic Calculator — A "circle-area" key is one your handheld calculator doesn't have!
Tell Time — Teach tots how to tell time the old-fashioned "big hand/little hand" way.
Population — A statistical projection program.
Temperature Converter — View your conversions in graphic form.
PRINT Craziness — A printer setup program for Epson and work-alike printers.
Day's Slide Show #2 — You will surely agree that Day is a real artist!
Family Tree Revisited — An improved version of our previously-published genealogy program.
General Ledger, Part 7 — The tutorial on business programming continues.

ISSUE #36   (Two 5.25" Disks)

Alfredo's Lost Cause — The adventure which inspired a later series of computer-animated cartoons.
Olympic Tribute — A pictorial tribute to the 1984 Los Angeles Summer Olympics.
Spelling Drill — Another entry in a continuing series of seemingly-impossible words to spell.
Nominee '84 — Find out if you have the right stuff to lead our nation.
Othello — A lo-res version of the popular board game that's hard to beat!
Bingo — Throw an Apple bingo party without worrying about losing cards or numbers.
Jeepers — Avoid being stomped by the jeepers, creepers, and devils in this different arcade challenge.
Positive Person — Find out just how positive your outlook on life really is.
Visible Bubble Soft — See a sort in action and learn to write one of your own programs.
Little Black Disk — Throw away your little black book.
Checkbook Balance — Figure out exactly where all your money went!
Array Display — A great debugging utility which can list all the string and real variables in your program.
McKnew's "HELLO" — A completely automated program to allow easy one-key selection of other programs.
UnNEW — Recover a program accidentally lost by NEWing.
File Encoder — Encode your files to allow only authorized persons to access them.
DOS 'n' Stuff, Part 8 — Our DOS tutorial continues.

ISSUE #37   (Two 5.25" Disks)

Golf — Get out your clubs, then drive and putt to your heart's content.
Slime — Save the earth from its destruction by ravaging slime.
Q&D Fer Sure Init — Initialize your disk *and* lock out bad sectors.
Election Night — Have the same chance as the newscasters to forecast the Presidential election results.
Library Adventure — Explore the planet of Librarium in this unique adventure game.
Snoopy Calendar — The perfect combination for the start of a new year: a new calendar and Snoopy!
Wind Chill — Find out how cold it *feels* in spite of the temperature reading.
Needlework Calculator — A must for those who do cross stitch, needlepoint or latch hook.
AmperHelper — Use the "&" statement to make your life easier.
Santa Ball — A pinball game with a Christmas theme!

ISSUE #37 (Continued)

Santa Story — Re-live an old favorite on your Apple.
Number Conversion II — Learn to convert numbers in machine language in this tutorial.
Graphics Fantasies 1 — The start of a tutorial series on graphics and sound programming.
Spelling Drill — Another chance to improve your spelling.
Dabble — Improve your vocabulary and spelling skills and have fun at the same time.
General Ledger, Part 8 — The business programming tutorial continues.

ISSUE #38 (Two 5.25" Disks)

Lair of the Necromancer — Destroy the evil Necromancer and win fortune in this adventure.
Recollect — The *Softdisk* way to play **Trivia**.
Satellite TV — Everything you ever wanted to know about choosing a satellite antenna.
Branch Lister — A utility which cross-references GOTOs, GOSUBs, and other branches.
Disassembled to Text — Capture an ML program in a text file for easy editing.
Electric Zoo — Type in your name and — *voile!* — strange animals appear on the screen!
Kindergarten Keyboard — A youngsters' introduction to the keyboard and colors.
Farkle — An unusual dice game for up to six players.
BananaSmusher — Clear the fruit off three levels and you'll win this lo-res arcade game.
Keyboard Invasion — Shoot down attacking letters in this multi-level game.
ML Twisties — No programmer should be without this collection of machine language cursors.
Spelling Drill — More spelling words to challenge your ability.
Dabble — Accept the challenge of unscrambling letters to spell words.
Name Them Tunes — Test your ability to recognize musical selections in this two-player game.
Graphics Fantasies, Part 2 — The graphics and sound tutorial continues.
General Ledger, Part 9 — The business programming tutorial concludes.
DOS 'n' Stuff, Part 9 — The DOS tutorial continues.

ISSUE #39 (Two 5.25" Disks)

Fiddler on the Disk — Listen to square dance music and learn about some of the instruments used.
Q&D CAT Tool — Organize and customize disk CATALOGs.
Carol Day's Slide Show #3 — Another great collection of hi-res pictures from a very talented artist.
Q&D Gemini Stuff — Get help in setting up your Gemini 10-X printer and in downloading customized fonts.
Scrambled Words — Choose a category, then unscramble letters to spell related words.
Spelling — Enter your own word list and master it with the help of your Apple.
The Big Balance — A unique quiz game in which knowledge tips the scales of balance.
Counted Cross Stitch — Eight new patterns which can be adapted for needlepoint and other uses.
DOS 'n' Stuff, Part 10 — The DOS tutorial continues.

ISSUE #40 (Two 5.25" Disks)

Poe Adventure — Reading Edgar Allen Poe gives you an edge in this adventure.
Heart Beat — Your Apple explains what those squiggly lines on the EKG heart monitor mean.
Apple Piano — Use a hi-res keyboard to create music for your own BASIC programs.
Packer/Unpacker — All the details on how to pack and unpack hi-res pictures.
Waves — Graph six trigonometric functions on a hi-res screen.
Cassette Labels — Make custom audio cassette box labels on your printer.
Read CATALOG — Place your DOS CATALOG into a text file which can be read from BASIC.
Hangman — A version of the popular word game to which you can add your own word list.
BFile Modifier — Search and change bytes in a binary ("B"-type) file.
Memory Dump — See what is really going on inside your Apple.
Blockout — Win this two-player game by building a wall around your opponent.
Transcript Evaluator — A useful tool for all educators.
Recollect — Test your memory on TV shows and literary works.
Buss' Slide Show — A collection of seven beautiful hi-res pictures for you to enjoy.
Dabble — Improve your vocabulary and have fun with this new group of words.

ISSUE #41 (Two 5.25″ Disks)

Aviation Software Reviews — Reviews and demos of flight planners and simulators.
Basketball Stats — Figure free-throw percentages, performance figures, and more!
State Quiz — A quiz that's for the birds — state birds, that is!
Case Converter — Write UPPER and lowercase instructions that can be read on any Apple.
Digit Game — Use clues to solve this game of deductive logic.
Box Puzzles — Solving these puzzles depends on how you look at them.
IQ Test — Common sense counts for more than a degree in this test!
Absentee List Printer — A helpful print utility for any school secretary.
Printer Style — A set-up program for a variety of printers, including the ImageWriter and ProWriter.
Breakout II — Change the colors to suit your mood in this version of an old favorite.
Life Expectancy — Your Apple may know something you don't — like how long you may live!
MathFacts — A timed drill and practice in addition and subtraction just perfect for youngsters.
All About Apples, Part 1 — A new series on advanced programming techniques.
Graphics Fantasies, Part 3 — The graphics and sound programming tutorial continues.
DOS 'n' Stuff, Part 11 — The DOS tutorial — including Part 1 of **Bits 'n' Bytes** — continues.

ISSUE #42

Blast — Use your joystick to maneuver and blast the alien ships.
Spellbound — A flashcard-type spelling drill which really tests your spelling abilities.
Plus Tax — Figuring sales tax does not have to be a bother.
Q&D File Compare — Find out if two versions of the same file are identical.
Bugs — The little creatures are out to get you in this two-level game.
Road Map — Your road construction skills are put to the test in this challenging two-player game.
Window Words — Test your knowledge of the parts of speech.
Trivial States — Find out how much trivia you know about the state in which you live.
Typewriter — With your Apple, a printer, and this program, you won't *need* a typewriter!
Print Shop® Envelopes — Print envelopes for the nice cards Brøderbund's Print Shop program produces.
ALGAE — "Averaging Letter Grades Accomplished Easily" frees teachers for important work!
BASIC Programming Forms — Plan your text, lo-res, and hi-res screens out in advance.
Music of Erin — A musical salute to the Irish accompanied by pictures.
All About Apples, Part 2 — The series on advanced techniques continues.

ISSUE #43 (Two 5.25″ Disks)

Aces Up II — Another great solitaire game from Paul Zelman!
Flexi-Graph — Display all sorts of information on your screen — *fast!*
Foil Theory — Learning about binomials is easy.
CATALOG Sort v2.0 — Alphabetize your CATALOGs even faster with this improved version.
Rainbow Game — Try to place four different colors in a row.
Cardio-Pulmonary Resuscitation — A multiple-choice test for a review of CPR procedures.
Rhymer — Find a word to rhyme with almost anything!
Custom Characters — Create your own custom character sets for your printer.
Make Disk DOSless — A utility for freeing up extra space on your data disks.
Astronomy Programs — A collection of *fourteen* programs for aspiring Carl Sagans.
Alfredo's Transport Troubles — Part one of the second of Alfredo's animated adventures.
Mathematical Reflections, Part 1 — A new advanced math series.
Bits 'n' Bytes, Part 2 — The tutorial on advanced topics continues as a separate series.
All About Apples, Part 3 — The series on programming hints and tips continues.
Graphics Fantasies, Part 4 — The graphics and sound programming tutorial continues.
DOS 'n' Stuff, Part 12 — The DOS tutorial continues.

ISSUE #44 (Two 5.25″ Disks)

Forest Fire — Water and firebreaks are your only tools to put out this lo-res forest fire.
WordSearch — Create your own word-search puzzles for school or just for fun.

ISSUE #44 (Continued)

Print Shop® Graphics Library — Twenty-four new Print Shop graphics, including "Q&D PS Imager."

Product Reviews — Twelve product reviews, including Penguin Software's **Sword of Kadash**.

Yahtzee — Watch the dice roll and choose wisely to get the best score.

Quik-Kalc — See how well you can add numbers in your head in this hi-res drill workout.

Animal Personality — Find out if there is an "animal" hidden in your personality.

Zoo Picture Maker — A printer routine for **Electric Zoo** which can also print any binary text screen.

Music Cassette Label Maker — A specialized program for special needs.

HELLO Customizer — A HELLO program that could double as a menu program.

Border Maker — Add interest to your instructions and title pages.

Holy Moses — Find out just how well you know the Ten Commandments.

Alfredo's Laser Lament — The conclusion of the animated cartoon, **Alfredo's Transport Troubles**.

Mathematical Reflections, Part 2 — The advanced math series continues.

Bits 'n' Bytes, Part 3 — The series on advanced topics continues.

All About Apples, Part 4 — The series on programming hints and tips continues.

DOS 'n' Stuff, Part 13 — The DOS tutorial continues.

ISSUE #45 (Two 5.25" Disks)

Necromancer's Revenge — A sequel to **The Lair of the Necromancer**.

Q&D Lesser Text — Read "All About Apples"to learn how to put text on the hi-res screen.

Poker Squares — A card game which can be played competitively *or* solitaire-like.

Compsort — A comparison of sorts — eight different sorting routines, that is.

Alfredo's Digestive Dilemma — The third in our series of computer-animated cartoon adventures.

Gobble — A timed grid-word game for the whole family.

Jupiter — Plot and learn about the moons of the great planet!

MegaBucks — Pick lottery numbers and learn about random numbers.

Lo-Res Graphics Utilities — A lo-res drawing program and a lo- to hi-res picture converter.

Recollect — Some new, challenging trivia questions for you.

Print Shop® Graphics — A new collection of graphic images from our artists.

We're Being Nosey! — We want to know all about *you* and your Apple!

Mathematical Reflections, Part 3 — The advanced math series continues.

Bits 'n' Bytes, Part 4 — The series on advanced topics continues.

All About Apples, Part 5 — The series on programming hints and tips continues.

DOS 'n' Stuff, Part 14 — The DOS tutorial continues.

ISSUE #46 (Two 5.25" Disks)

Mr. Machine — Predict winners and track scores in this football program.

Moon Buggy — Rescue scientists who have been stranded on the moon.

Triple Trivia — Convert your trivia questions into a new game.

Geometry Formulas — *Twenty-three* formulas for finding area, volume, and other information.

Palindrom Squares — A cute novelty to entertain you.

Diamond Draw — A utility for making hi-res drawing easy.

Alfredo's Crushing Curiosity — The fourth in our series of animated cartoon adventures.

Hype Adventure — Mountains, pirates, and lots of fun await you!

Print Shop® Graphics — Fourteen new designs by *Softdisk* artists.

Crypto Solver — A *must* for all cryptogram fans!

All About Apples, Part 6 — The advanced programming series continues.

Bits 'n' Bytes Part 5 — The advanced topics series concludes.

DOS 'n' Stuff, Part 15 — The DOS tutorial continues.

ISSUE #47 (Two 5.25" Disks)

Movie Mogul — Choose the right script and actors, and make millions in the movies!

Arms Race — Find out how well you can plan expenditures in the arms race.

Risky Roller — A dice game in which strategy is the difference between winning and losing.

ISSUE #47 (Continued)

Test Patterns — Following logical rules is easy — *if* you can find them!

Multiplication Helper — Test your basic knowledge of multiplication.

Ancient Greek History — An easy Greek history lesson the hi-res way.

Formula and Molecular Masses — The perfect program to help you with your next chemistry assignment.

Alfredo's Whopping Wattage — The fifth in our series of animated cartoon adventures.

Elections — Register, vote, and tabulate the results in school elections.

Alphabet Game — A fun game for youngsters and Mockingboard owners.

Print Shop® Graphics — More graphics designs sent in by subscribers.

Apple DMP Print Modes — A printer set-up program for the Apple DMP printer.

Printer Behave — A printer set-up program for the MX-100.

Mathematical Reflections, Part 4 — The advanced math series continues.

All About Apples, Part 7 — The advanced programming series continues.

DOS 'n' Stuff, Part 16 — The DOS tutorial continues.

ISSUE #48 (Two 5.25" Disks)

The Phrase that Pays — A game that is more fun, though less lucrative, than "Wheel of Fortune."

Cribbage Squares — Let the computer be your partner and have a hot game!

Bubble Sort Demo — Watch an Apple sort routine in action.

The Envelope, Please — Make envelopes to fit your Print Shop® cards.

The Price Is Right — Determine the right price for your merchandise in this *non-game* program.

ASCII X-Ray Machine — Scan your Apple's memory forward or backward in either hex or ASCII.

Matter of State — Test your ability to recognize U.S. states in silhouette.

Alfredo's Fiery Fiasco — The sixth in our series of animated cartoon adventures.

America's Past Time — Test your knowledge, not of baseball, but of American history.

World Series Trivia — The Series themselves are not trivial, but some facts about them are!

Oki Setup — A set-up for Okidata printers.

Grappler Dumper — Make your Grappler™ card dump graphics to your printer.

The Comet Cometh — All you ever wanted to know about Halley's Comet.

Print Shop® Graphics — Each and every image this month is a contest winner!

Machine Language Spoken Softly, Part 1 — A new machine language tutorial series.

All About Apples, Part 8 — The advanced programming series continues.

ISSUE #49 (Two 5.25" Disks)

Christmas Jukebox — Eleven seasonal tunes with appropriate pictures.

Missing Link — Another top-notch solitaire card game from the master, Paul Zelman.

Alfredo's Hulking Hubris — The seventh in our series of animated cartoon adventures.

Subscriber Reviews — Read opinions about **FX 85, Phantasie, Math Worksheets, Videx AW, Plus Works**, and **D Code**.

Print Shop® Images — Twenty-two fresh and new graphic images for your Print Shop collection.

Bowmen — Try to defeat your arch enemies — the *other* bowmen!

Big Ernie — Answer correctly and help Ernie make it across the canyon.

Runner's Log — Log — and *remember!* — jogging times for different dates and distances.

REMover Plus — Strip out all REMs in your BASIC program and speed up its execution.

The Price Is Righter — A modern replacement for last month's now-archaic markup algorithm.

Computer Eyes — An in-depth look at a new image digitizer.

Halley Horizons — A graphic illustration of Halley's progress through the heavens in '86.

Machine Language Spoken Softly, Part 2 — The machine language tutorial series continues.

Mathematical Reflections, Part 5 — The advanced math series continues.

All About Apples, Part 9 — The advanced programming series continues.

ISSUE #50 (Two 5.25" Disks)

Wormshot — Blast the vermin out of the sky before they devour your meteor shield.

Print Shop® Images — A baker's dozen of more graphic images for your Print Shop library.

ISSUE #53   (Continued)

Hi-Res Printing — Mix text and graphics on the same screen by sending text to the hi-res screen.

Alfredo's Mortiferous Mortality — The ninth in our series of animated cartoon adventures.

Wordsmith — Test your vocabulary in this challenging word game.

Through the Looking Glass — Explore the subtle ways computers are changing our society.

Print Shop® Images — Add this potpourri of beautiful images to your Print Shop library.

Old MacDonald's Farm — A fun way for pre-schoolers to learn how to count.

Watch Your Language — Create hilarious mixed-up stories by supplying information before knowing the plots!

Memo Writer — Place your input into memo format automatically.

Subscriber Reviews — Check out **Archon II, Bard's Tale, Copy II, Sensible Grammar,** and more!

Q&D Tiny Menu — A simple, easy-to-use, SMALL menu program.

Biology 101 — A general biology quiz.

Runner's Graph — Keep track of your running progress month by month.

Word Puzzle Generator — Create your own "hidden word" puzzles.

ISSUE #54   (Two 5.25″ Disks)

Haunted House — Strange, dangerous creatures prowl the corridors of a not-so-deserted mansion.

Knockout Trivia — A trivia-twist game which pits you against Rocky Robot in a fight to the finish.

Mental Math — Challenging practice for youngsters in increasing speed in math calculations.

A Capital Idea — An aid for children in learning the U.S. states and capitals.

Gallerie d'Art — Reproductions of and a commentary on the works of M. C. Escher.

Wally Wabbit's Cartoon Studio — The final installment of the tutorial on the creation of animated sequences.

Through the Looking Glass — Discover how your perceptions of computers are changing.

Auto Menu — Make changes to your menus without tedious programming.

All-Base Calculator — Add, subtract, multiply, and divide two numbers in various bases.

Potato Therapy — A series of beautiful, constantly evolving patterns to calm your nerves.

Print Shop® Images — More beautiful images for your Print Shop Library.

Spelling Analyzer — An effective way for students to improve their spelling skills.

Fall Out — Maneuver rows of sliding blocks to undermine your enemy's positions.

Oo-Topos **Demo** — The latest and greatest hi-res adventure game available from Penguin Software.

Arithmatutor — An educational program for the improvement of the young student's addition skills.

Machine Language Spoken Softly, Part 5 — The machine language tutorial series continues.

ISSUE #55   (Two 5.25″ Disks)

The Tough Guy's IQ Test, Mark II — A tougher-than-usual IQ test sure to test your wits.

Triangle Trouble — A computerized version of the classic peg-game to challenge your strategy skills.

The Watergate Quiz — A quiz which reviews an important, though embarrassing, chapter in American history.

Computer Yahtzee — The classic dice game in a computerized version.

Packed Picture Runner — Display hi-res graphics with minimal use of disk space.

Alfredo's Faulty Finale — The tenth in our series of animated cartoon adventures.

Gallerie d'Art — Reproductions and commentary focusing on the works of Michelangelo.

Wally Wabbit's Cartoon Studio — A demonstration of the plotting routines made available in the **Cartoon Studio**.

Through the Looking Glass — Find out two things all computer neophytes should know.

Matinee Madness — Become a main character in some of Hollywood's classic 1950's horror films.

The Music of Gaspar Sanz — Listen to the music of the 17th-century Spanish guitarist.

Machine Language Spoken Softly, Part 6 — The machine language tutorial series concludes.

ISSUE #56   (Two 5.25″ Disks)

Arcade Boot Camp — The *complete* original hit game from Penguin Software!

The Cash Box — An educational program to help elementary children with their addition skills.

Ditto — Test your ability to mimic a sequence of musical tones.

ISSUE #56 (Continued)

Hostage — You have one hour to free a bank president held hostage by five terrorists!

Case Converter — Convert lowercase files to uppercase for reading by older Apples.

Phone Words — Convert the letters on the phone dial to numbers and vice versa.

Gallerie D'Art — This issue's focus: the works of the 20th-century surrealist, Rene' Magritte.

Through the Looking Glass — An in-depth interview with Ricard Garriott, author of the best-selling Ultima series of fantasy games.

Print Shop® Images — Another set of beautiful images to add to your collection.

F-16 Fighting Falcon — An illustrated look at our premier fighter plane.

Impossible Apple Logo — Display colors not normally possible on your Apple!

ISSUE #57 (Two 5.25″ Disks)

Pensate — The *complete* chess-like strategy game from Polarware/Penguin.

Born in the USA — A quiz testing your knowledge of U.S. history and geography.

The Video Librarian — A handy database program to get your videotape library in order.

CATALOG Catcher — Convert your disk catalogs to text files.

The Dot Connection — A computerized version of the classic dot game.

Hacker's Holiday — A satiric look at a hypothetical software package with unbelievable features!

User Art — Three outstanding graphics submitted by subscribers: "Miss Liberty," "Prophet," and "The Taj Mahal."

Print Shop® Images — Our "Boys of Summer" theme features logos from major league baseball teams.

Bomb Squad — Stop that ominous ticking sound, defuse the bomb, and save your life!

Pig Latin Made Easy — A translator for the language of fun and silliness.

ISSUE #58 (Two 5.25″ Disks)

The Caverns of Freitag — Use your wits and your reflexes to slay the evil dragon in its lair.

Gallerie d'Art — Reproductions and commentary on the Op Art and Pop Art movements.

User Art — Two more outstanding subscriber-submitted graphics: "Marble" and "Ritual Figure."

Print Shop® Images — A new group of images for use with Brøderbund's Print Shop program.

Write a Test — A utility for writing, editing, and printing test papers.

ImageWriter Commander — A menu-driven program to make ImageWriter printer setup a breeze.

Screen Saver + — A simple utility which loads, saves, and displays hi-res graphic images.

The Minus Touch — A subtraction drill for elementary students.

Stress Test — A self-evaluation of the stress factors in your busy life.

Slide 'Em Cowboy — A "tough-as-leather" variation of the sliding-tiles game.

Subscriber Reviews — Check out Software Touch's **Fontworks** and a follow-up on StyleWare's **MultiScribe**.

The Popeye Game — A Popeye trivia quiz for all ye mateys.

ISSUE #59 (Two 5.25″ Disks)

Pie Man — Working in an automated bakery is no piece of cake, you will soon discover!

Print Shop® Images — A collection of logos from all 28 NFL football teams.

User Art — Two outstanding subscriber-submitted graphics: "Horn of Plenty" and "Ritual."

Cybermine — Renegade robots threaten a vital mining installation in this text adventure.

Modem Quest: A Baudy Tale — A discussion of life with the "wild modems" and public bulletin boards of North America.

Disk Frisk — A combination disk copier and sector editor.

Image Juggler — Merge two hi-res pictures, and print the results if you have a Grappler™ printer interface card.

Multiple Choice — A multiplication drill for elementary students.

Factor Extractor — A strategy game that also reinforces a student's concept of factoring.

Cassette Label Printer — Print cassette box sleeves with space for 14 titles per side.

Warping Wigglers — A little hi-tech cloud-watching is good for the soul!

ISSUE #60 (Two 5.25" Disks)

Apple IIx (GS) Sneak Preview — A detailed overview of Apple's latest computer.
Turkey Trivia — Little-known facts about a Thanksgiving tradition.
Cornerstone — Learn the basics of the roman numerals system.
Sector Roundup — Map a disk's available sectors.
The Time Zone — Display a table showing GMT and local time for U.S. time zones.
Gallerie d'Art — A look at some of Auguste Rodin's finest sculptures.
Print Shop® Images — Team logos from the National Hockey League.
Cave of the Reaper — A text adventure in which spelunking can be hazardous to your health.
Review — See what we thin of Deversi-Copy from Diversified Software Research.
Ranndom Events — A close-up look at developments in the computer industry.
Spy's Demise — Become a clue-solving secret agent in this Polarware/Penguin arcade mystery.

ISSUE #61 (Two 5.25" Disks)

Tornado Tutor — Animations and text offer a close-up look at nature's most violent storm.
Weather Conversions — Calculate the wind chill factor, heat index, or other meteorological data conversions.
Hurricane Tracker — Follow the course of hurricanes across the Caribbean.
Trial Size Toolbox — From Roger Wagner Publishing comes routines for your BASIC programs!
Hacker's Holiday Update — A real program that rather wryly claims to have every feature a hacker needs!
Havaniceday — Vent your feelings about such a greeting in this whimsical arcade-style game.
Watch Your Language, Mark II — Add your own nouns, verbs, and adjectives to a story you haven't seen yet!
Review — Donna K. Woody's opinion of Compucraft's The Stitch Grapher.
Ranndom Events — A close-up look at developments in the computer industry.
Reader Review — A review of Funk Software's Sideways spreadsheet printout program.
Print Shop® Images — All 52 playing cards for your Print Shop library!

ISSUE #62 (Two 5.25" Disks)

Lores Dump — Convert lo-res pictures to hi-res and vice versa.
The Logical Choice — A version of the classic logic game Mastermind.
My Own Adventure — A "choose-your-own-path"-type adventure story.
Odyssey — The *complete role-playing game from Synergistc Software.*
Through the Looking Glass — The author of Odyssey reminisces about the early days of Apple computing.
Biorhythm — Create monthly biorhythm charts for yourself or a friend.
Reader Reviews — Check out Under Fire!, MouseWrite and ThinkWorks.
Ranndom Events — A close-up look at developments in the computer industry.
Print Shop® Images — A smorgasbord of culinary delights — not to eat! — but to add to your Print Shop library.
Serendipity — A hi-res novelty guaranteed to soothe jangled nerves.
Filled to Capacity — A hi-res program testing your knowledge of English and metric volume units.
Song Guesser — Any disk with music files can provide tunes for a "Name That Tune"-like game.
Review — A look at The Luscher Profile, a Mindscape personality test.

ISSUE #63 (Two 5.25" Disks)

Anti-Gravity — A challenging arcade game to test both your reflexes and sense of strategy.
Blockade — Battle a friend or your computer-opponent in this version of the classic arcade game.
Review — A look at U.S.A.A.F, SSI's World War II simulation, by Donna K. Woody.
Reader Review — A critique of Infocom's elaborate text adventure, A Mind Forever Voyaging.
Print Shop® Presenter — A utility for viewing up to nine Print Shop images at a time.
Why ProDOS? Part 1 — An in-depth comparison of DOS 3.3 and ProDOS.
Laser Show — A fascinating graphics display from David (Dr. Cat) Shapiro.
Print Shop® Images — A menagerie filled with real and mythical beasts.

ISSUE #63 (Continued)

Call Signs — Determine the areas served by a particular HAM radio call sign.
Review — Donna K. Woody's discussion of **Magicalc**, Artsci's spreadsheet program.
MouseWrite Demo — An interactive demo of the word processor from Roger Wagner Publishing.
Ranndom Events — A close-up look at developments in the computer industry.
Language Notebook — A great learning tool for students of foreign languages.

ISSUE #64 (Two 5.25" Disks)

A Peek at *DownTime* — An April Spool Foof of one of our competitors.
Decade — Another excellent card game from Paul Zelman.
Airheart — A look at Brøderbund Software's new arcade-style game.
Ardy the Aardvark — A whimsical arcader guaranteed to challenge your reflexes.
Mr. Bessel — Plot several different bessel functions to create fascinating graphic displays.
Boarding House — Eight new Brøderbund Print Shop Companion borders.
ImageWriter Font Downloader — Design and download fonts for the ImageWriter and Image-Writer II printers.
Reader Review — Find out about **Mouse Desk**, the Mac-like desktop organizer from International Software.
The Grand Union — Learn the history of the United States flag.
Why ProDOS? Part 2 — The in-depth comparison of DOS 3.3 and ProDOS continues.
Ranndom Events — A close-up look at developments in the computer industry.

ISSUE #65 (Two 5.25" Disks)

Anna's Gram #1 — A unique and entertaining word puzzle.
Monstroid — A charming and imaginative text adventure from two junior high programmers.
Bouncing Kamungas — The complete and completely-engaging arcade-style game from Polarware/Penguin.
Reader Reviews — Critiques of **KeyPlayer**™, **MultiScribe**, and the newest version of Brøderbund's **Print Shop**.
Continental U.S. Quiz — Test your knowledge of the states and capitals.
My Grandfather's Chest — A competitive memory game for children and adults alike.
Dazzler — Another hypnotic hi-res novelty from "Dr. Cat" Shapiro.
Print Shop® Images — A collection featuring images about transportation.
Printer Power — A printer setup program for producing a wide variety of type styles.
Why ProDOS? Part 3 — The in-depth comparison of DOS 3.3 and ProDOS continues.
Ranndom Events — A close-up look at developments in the computer industry.

ISSUE #66 (Two 5.25" Disks)

Thousand Miler — A hi-res version of the popular strategy game **Mille Bornes**.
Anna's Gram #2 — Another entertaining word puzzle from the author of **Bezare**.
Reader Reviews — Opinions about Funk Software's updated **Sideways** and Pinpoint Publishing's **RunRun**.
FUNdamental Factors — A program quizzing students about least common multiples and greatest common factors.
Border Shop Fonts — Both the "Cartoon" and "English" fonts require **The Print Shop Companion**.
Sector Manipulator — A multi-function disk utility for sector editing, disk searching, and file retrieval.
Edit.Pro — The complete ProDOS Applesoft program editor from Living Legends Software.
Review — A critique of **Edit.Pro** by Val J. Golding.
Ranndom Events — A close-up look at developments in the computer industry.

ISSUE #67 (Two 5.25" Disks)

Encounter One — You must take an alien I.Q. test with instructions written in a non-human language!
Anna's Gram #3 — A word puzzle *not* written in a strange alphabet, but challenging just the same!
Bezare — Decipher the alien alphabet to learn the rules of this game before you can play it!
Minefield — Utilize both memory and strategy skills to negotiate a hi-res minefield.

ISSUE #67 (Continued)

King of the Jumble — A cryptanalysis program for solving simple ciphers.
Print Shop® Images — Rank insignia and other emblems of the U.S. armed forces.
Label Writer — Create, print, and save to disk up to 15 frequently-used labels.
IIGS Key Whiz — Detect and display thousands of Apple IIGS keypresses.
Founding Fable — Syndicated columnist Dan Gutman's sly look at history.

ISSUE #68 (Two 5.25" Disks)

Duchess — Another slick solitaire card game from Paul Zelman.
Ant Wars — A strategy game with red vs. black ants in a fight to the finish.
Anna's Gram #4 — Another great word puzzle from John Besnard.
Argos — Pit your reflexes against hordes of invading aliens.
Q&D HiRes Text — Learn not only what hi-res text is, but also how to use it.
Q&D Font Editor — A utility for designing and using hi-res text.
Round Robin — A handy tool for scheduling matches in round robin tournaments.
Print Shop® Images — Graphic creations from one of our most talented Print Shop artists: Juliette Deshelter.
Biblical Flash Cards — Fifty-two questions on the books of the Bible.
Ranndom Events — A close-up look at developments in the computer industry.

ISSUE #69 (Two 5.25" Disks)

Anna's Gram #5 — Another of John Besnard's mind-boggling word puzzles.
Apple Dots — You *are* seeing dots before your eyes! Connect them.
Jotto — A word guessing game with a difference.
The Spy Strikes Back — The complete sequel to Polarware/Penguin's **Spy's Demise**.
Tacklebox — A show-and-tell program which brings back fond memories.
Print Shop® Images — Talented guest artists share new borders and a composite with you.
Astronomy Corner — A quick hi-res tour of our solar system.
Friendly Check — Replace "creative accounting" with accuracy when balancing your checkbook.
Squaring Off — Swap crosses and triangles in this challenging exercise.

ISSUE #70 (Two 5.25" Disks)

DA Stock Game — Find out if and when your stocks will go up.
Learning your AVP's — How many American Vice-Presidents can you remember?
Reader Reviews — Check out opinions of **PHM Pegasus** and **Certificate Maker**.
Pixel Puzzler #1 — Slide-the-tiles puzzles based on Carol Day graphics, "Eye on the Future" and "Goldfish."
Print Shop® Images — Enjoy a Spanish mission composite and a set of football figures.
Q&D Picture Finder — A fast way to look through your hi-res picture library.
Monkey's Uncle — It's "monkey see, monkey do" in this graphics and sound extravaganza.
Anna's Gram #6 — Another challenging word puzzle from John Besnard.
Tubeway — Thwart insidious invaders from a strange geometric universe.

ISSUE #71 (Two 5.25" Disks)

Electric Guitar — Recover your stolen instruments before showtime!
Rock and Roll Quiz — A challenging trivia quiz on the history of rock.
Anna's Gram #7 — One of the toughest John Besnard word puzzles yet!
Pixel Puzzler #2 — More slide-the-tiles puzzles based on Carol Day's artwork.
Print Shop® Images — Interesting new borders and images for use with Brøderbund's **Print Shop**.
Alfredo's Miserable Moniker — The eleventh in our series of animated cartoon adventures.
Double Trouble — Simultaneous-play multi-level arcade games on a split screen.

ISSUE #72 (Two 5.25" Disks)

Resilon — Prepare to blast myriad objects falling from the sky.
Encounter II — A mysterious alien water valve puzzle for you to solve.

ISSUE #72 (Continued)

Bugs! — Stomp the household pests to oblivion as fast as you can.

Watch Your Language, Mark III — Another zany story-maker from our favorite Guanozap programmer.

Anna's Gram #8 — John Besnard strikes again with another devilish word puzzle.

Psychic Powers — A true test of psychic ability: the player with the most precognition wins.

NTER — A handy routine which solves the problems created by the INPUT command.

By Any Other Name — Select from hundreds of first and middle name combinations.

Ghouls by Day — Six of our favorite fiends in a creepy Halloween slide show.

Pixel Puzzler #3 — Artist Carol Day herself is the subject of this computerized jigsaw puzzle.

Print Shop® Images — A bevy of ghouls and monsters for your Halloween greeting cards.

Nightmare Gallery — Surely the most blood-curdling arcade game ever devised!

ISSUE #73 (Two 5.25" Disks)

The Space Ark — Collect specimens from all over the cosmos in this Datamost arcade game.

Day on the Veldt — A hi-res slide show of an African safari by Carol Day.

AppleMind — A revision of Mastermind by Matthew Clark.

Q&D Volume Mapper — Print full CATALOGs of your ProDOS volumes.

Wiggler — A hypnotic hi-res novelty from Dr. Cat.

Zippers — Another Paul Zelman hi-res solitaire game sure to please the most avid enthusiast.

Pixel Puzzler #4 — A three-level hi-res jigsaw puzzle.

Packed Picture Runner — Make BRUNable hi-res pictures for ProDOS.

The Crossword Machine — Knowing the theme will help you solve this word puzzle.

ISSUE #74 (Two 5.25" Disks)

Super Bunny — Carrots are to the mighty rabbit what spinach is to Popeye.

Top CAT — Explore the hierarchy of ProDOS files with this automatic menu program.

The Crossword Machine — A computerized crossword puzzle for hours of entertainment.

GR8 PL8S — Use cryptic clues to complete a series of personalized license plates.

Michael's Magic — A hypnotic kaleidoscope treats you to a colorful visual extravaganza.

Seven Keys — Be the first player to collect seven keys — and $100,000!

Pixel Puzzler #5 — Another Carol Day hi-res puzzle featuring our favorite input device.

ISSUE #75 (Two 5.25" Disks)

Cavern Creatures — Avoid the deadly walls of endless caverns in your quest for the Secret City.

Australian Cockroach — Eradicate the most disgusting menace of the century.

Watch Your Language — Speak *(adv.)* and carry a big *(n.)* as you create fill-in-the-blank stories.

GR8 PL8S II — More customized license plates for you to decipher.

The Crossword Machine — Hi-res crossword fun for everyone.

Latitude & Longitude — Training in parallels and meridians.

DOGPAW — An automatic text output routine.

Printer Enhancer Program — Set the print styles for any dot matrix printer.

Infinitudes — Sit back and enjoy this hi-res kaleidoscope.

ISSUE #76 (Two 5.25" Disks)

World Cities — Test your knowledge by locating the famous cities of the world.

Volume Control — The last word in volumetric conversion programs.

"No-Liner" Utilities — EXEC-able text file utilities for more joyful programming.

Twittering Birds — See if your ear is discriminating enough to identify our feathered friends.

Presidents' Day Quiz — Explore the warped psyches of *Softdisk's* editors.

Walk into the Dot — Maneuver your man to avoid the deadly orange dots.

The Argent Bovine — A thrilling parody on the famous Origin Ultima series.

Periodical Table — *Not* to be confused with Anton van Leeuwenhoek's microscope!

Hangman — Hi-res action in an unbeatable word game!

ISSUE #76   (Continued)

Tharolian Tunnels — Free the planet Tharolia from rule by maniacal machines.

The Crossword Machine — This month's puzzle: "Straw Warts, Episode IV: The Editor Strikes Back."

Pixel Puzzler #6 — A CATastrophic hi-res jigsaw puzzle.

ISSUE #77   (Two 5.25" Disks)

Phases of the Moon — An animated tutorial on lunar phases and the tides.

Crazy Mazey — Dodge killer cars as you grab cash secreted in this smash-up thriller.

Detours — Construct the most straight rows and win this two-player game of strategy.

The Crossword Machine — Our monthly computerized word puzzle to keep you guessing.

No-Clock Timeset — An accurate timepiece for Apples that do not have clocks.

Anna's Gram #9 — Unscramble the letters, solve the anagram, *then* view the cartoon!

Visibook — You supply the numbers; **Visibook** does the calculations in this spreadsheet-checkbook.

Softdisk Formatter — Format your ProDOS disks in an instant.

ISSUE #78   (Two 5.25" Disks)

The Crossword Machine — This month's puzzle's 121 squares will puzzle you, for sure!

No-Liners — Three EXEC-able files to make your programming easier.

Concentration — Match two shapes hidden under the numbers and you score!

Pixel Puzzler #7 — A tough, computerized jigsaw puzzle.

Anna's Gram #10 — The final installment of John Besnard's exciting rearrange-the-word puzzles.

European Cities — Learn the cities of Europe with help from the magnificent Mentor.

Selector — Exit ProDOS with convenience and style.

Mars Cars — Grab the treasure and evade the deadly Mars Cars.

Softdisk Formatter — A quick and easy way to format ProDOS disks.

Diskwriter — A small though sharp word processor for your "Feedback" files.

ISSUE #79   (Two 5.25" Disks)

Print Shop® Graphics — They're *back!* — with an all-new presentation program.

U.S Cities quiz — Find out how well you really know U.S. geography.

Recollect — A real-time Beatles trivia quiz.

GR8 PL8S — A third nearly-impossible license plate puzzle from John Besnard.

The Crossword Machine — A monthly challenge for all cruciverbalists.

Q&D Picture Finder — Locate and look at all the pictures on any disk drive.

DiskWriter — A word processor for your "Feedback" files.

Reprint — Print out your text screen by pressing RESET.

Hyperformat — A quick and easy way to format ProDOS disks.

ISSUE #80   (Two 5.25" Disks)

Pyramid — Throw away everything if you are to win this hi-res game of solitaire.

Haydn's Minuets — Learn about the great composer as you listen to his music.

Multiplication — Once you know the Big Secret, multiplication is *easy!*

Print Shop® Graphics — Medieval images and a new Old English font.

Undelete — Recover files you have accidentally deleted.

One-Page Calendar — A year-long calendar on *one* page of printer paper!

DiskWriter — A quick and easy word processor.

Hyperformat — A quick and easy disk formatter.

The Crossword Machine — Featuring the first puzzle by a non-*Softdisk* staff member.

Conquering Worlds — Conquer whole star systems in this far-reaching tactical simulation.

ISSUE #81   (Two 5.25" Disks / One 3.5" Disk)

Magna Charta™ **Demo** — A peek at Third Wave Technology's new business graphics application.

Money Money — Print out currency exchange tables.

ISSUE #86 (Two 5.25" Disks / One 3.5" Disk)

South America — A tutorial for learning the countries and capitals of our southern neighbors.
What a Card! — Keep track of people to whom you owe cards, and print some to send them!
Property Manager — AppleWorks templates for keeping track of what you own.
Print Shop® Graphics — A potpourri of images, animate and inanimate.
1000-Year Calendar — Learn about the Gregorian and Julian calendars.
Dino Eggs — Rescue baby dinosaurs and save the mystic creatures from extinction.
Dr. GOSUB's Office — Twenty BASIC subroutines for programmers.
Seega — A touch strategic board game from the country of Somalia.

ISSUE #87 (Two 5.25" Disks / One 3.5" Disk)

Africa — Learn the countries and capitals of the Dark Continent.
Wherz-It-At — A database program for keeping up with seldom-used items.
Bowling — A hi-res animated bowling simulation.
Print Shop® Graphics — Images of computers and much more!
Bowling Handicapper — An AppleWorks template for figuring your bowling average.
ProDisk Utility — A valuable ProDOS file-, volume-, and block-management utility.
Sports Savvy — A sports trivia game for testing your knowledge of the world of sports.
Dr. GOSUB's Office — Twelve useful machine language routines for BASIC programmers.
Nine Men's Morris — A classic game of strategy from Italy.

ISSUE #88 (Two 5.25" Disks / One 3.5" Disk)

U.S. Abbreviations — Learn the abbreviations of the 48 continental United States.
Novelty Songs — Sing along with three of the most popular nonsense songs of the forties.
The Works Shop — Use AppleWorks to produce box inserts for your audio cassette library.
Weights and Treasure — An animated puzzle game with a screen construction set built-in!
Print Shop® Graphics — New graphics, borders, and another font for your collection.
Crisis Mountain — Dodge tumbling boulders and flowing lava while saving the mountain from blowing up.
Soundmaker II — Create sound effects to spice up your programs.
Viroscope — A detection system for isolating computer viruses.
MU Torere — Trap the other player in this hi-res version of a New Zealand board game.

ISSUE #89 (Two 5.25" Disks / One 3.5" Disk)

Tree — Display the tree structure of your ProDOS disks.
Moltar — Avoid the rising lava and falling fireballs!
Finger Spell — Learn the manual alphabet known as American Sign Language.
Expense Master — An AppleWorks spreadsheet for tracking your business expenses.
Print Shop® Graphics — A variety of images for use with Brøderbund's popular program.
Asia — Learn the countries and capitals of the largest continent.
Autostart — Kick off any ProDOS program automatically.
The Golden Cheese — Traverse the mystifying maze to find the fabulous treasure.
Fileview — A generic menu program for viewing, loading, or running your files.
What a Message! — Create new font panels for Issue #86's **What A Card!**
Nimwit — A NIM-like game in which you *slide* the last piece to win.
Dimwit — A spoof of **Nimwit**.
Stranded — Test your lunar survival skills.
Antarctica — Learn the countries of our least populous continent.

ISSUE #90 (Two 5.25" Disks / One 3.5" Disk)

What a Poster! — Transform your favorite hi-res picture into a poster.
I Can Budget — An AppleWorks template for getting your budget in shape.
Copy It — Make *fast* copies of your disks.
Placeball — Bounce balls off walls to your heart's content.
Print Shop® Graphics — Images of trains and rockets for your collection.

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ISSUE #90   (Continued)

Short Circuit — All it takes to save the world is your joystick.
World Conquest — Use your best strategy skills to return the planet Reficul to its people.
U.S. Nicknames — Learn the nicknames of the 48 continental United States.

ISSUE #91   (Two 5.25″ Disks / One 3.5″ Disk)

Q&D Calendar Thing — A calendar/reminder system you can run while in AppleWorks!
Europe — An educational quiz on the cities and countries of the European continent.
Conversion System — Convert metric to English and Fahrenheit to Celsius and back!
Jewel Hunt — Wander the magician's lair where dangers and riches await you!
Number Converter — Make hex, decimal, binary, negative address, and hi/lo-byte conversions easily.
Print Shop® Graphics — It's "by the sea" with ships and water fowl graphics.
Loose Change — Brush up on your change-making skills.
Quickshapes — Select and save hi-res shapes and plot them onscreen in your programs.
Quickshapes Demo — An instructive Applesoft program on the use of **QuickShapes**.
Duck Boop — Boop ducks and experience firsthand what can be done with **QuickShapes**.
Slide Guide — Slide all the pieces into the right positions in this mind-twisting puzzle.

ISSUE #92   (Two 5.25″ Disks / One 3.5″ Disk)

Q&D Credit Payments Thing — Find out how much your credit card is costing you.
Credit Payments — Figure out how much your debts are costing you.
Car Finances — Plan your new car payment before you buy!
Typing Attack — A typing tutorial with a fun twist.
Copy — A ProDOS add-on command for copying or moving files.
Dupe — A ProDOS command for copying one file from one place to another.
Print Shop® Graphics — Dozens of new images for your collection.
Princess Puzzle — Rescue the princess in this menu-driven adventure.
Anagram Challenge — A word game for fast thinkers!
Proportional Text — Text from BASIC programs can look great!
Magnet Madness — Use magnets to get your marble through a maddening maze.
Bulletin Board — We hear from you and you from us!
Last Things — Some information about new ways to use Softdisk, plus a comments report card.

ISSUE #93   (Two 5.25″ Disks / One 3.5″ Disk)

Mighty Graph — A multi-faceted graph maker/printer utility.
Multilabels — Learn how to print multiple labels *horizontally* with AppleWorks® .
Monthly Budget — An AppleWorks® utility to ease your budget woes.
Latin Linguist — Learn Latin phrases which are very much alive!
Division Drill — Test and sharpen your division skills.
Print Shop® Graphics — Dinosaurs and other impressive creations!
Zappa Roidz — An action-packed space shoot-'em-up.
Aztec Temple — A text adventure set in the legendary jungles of Mexico.
Online — A ProPower utility for scouting out active volume names.
Showtxt — A ProPower utility for displaying and scrolling text files.
Eject! — A ProPower utility for ejecting 3.5″ disks from BASIC!
Zig Zag Flag Shag — Try to find the shortest distance between two points!

ISSUE #94   (Two 5.25″ Disks / One 3.5″ Disk)

Edit — An impressive text editor for reading *any* type of file.
Easy Money — An AppleWorks template for managing your investment portfolio.
Print Shop® Graphics — Images of world geography and history.
Pixel Puzzler II — A fast, interactive demo of a *Softdisk Catalog* product.
Techtalk Tutor — A tutorial on the lingo of ProDOS and megabytes.
Scan — A ProPower utility for speeding up file searches.

ISSUE #94 (Continued)

Stringing Along — Two BASIC routines for string formatting and searching.
Recollect Trek — A challenging hi-res Star Trek trivia quiz.

ISSUE #95   (Two 5.25″ Disks / One 3.5″ Disk)

Pantry Planner — Make shopping easier by organizing your pantry.
Credit/Employment History — Record personal data about accounts, residences, and previous jobs.
Typing Attack II — The next step to the mastery of fast typing.
Who Cares? — Find out the real names of "reel" stars!
Print Shop® Graphics — Tile patterns, birds, borders, and more!
Sargo Noidz — A fast-action chess arcade game.
Ed's Superspy Course — The final test-adventure before receiving your spy diploma.
Softbye — An exit menu for selecting your next application.
Mix Matcher — Solve this intriguing new puzzle - or die trying!

ISSUE #96   (Two 5.25″ Disks / One 3.5″ Disk)

Microbyte Savings & Loan — Your Apple can do almost anything your bank can!
Measure for Measure — An AppleWorks template for converting units of measure.
Alfredo's Lost Cause — A nostalgic glance back at our hero's very first adventure.
Alfredo's Miserable Moniker — Our dubious hero searches for his true last name.
Print Shop® Graphics — A random assortment of beautiful graphics for your collection.
Memorable Music — A jukebox of classical melodies for your entertainment.
Lumberjack Crash — Defoliate the forest, and you will solve this infuriating puzzle!
The Crossword Machine — Our popular paperless crossword puzzle returns!
Magna Charta — A demo of the powerful chart-making program.

ISSUE #97   (Two 5.25″ Disks / One 3.5″ Disk)

Dominoids — Gobble up point-laden dominos, but avoid the deadly dominoids!
Measure for Measure, Part 2 — Use this AppleWorks® template to make linear, thermal, angular, and speed conversions.
Micro Byte List Manager — Organize and print address and phone lists for home, school, and office.
Jump Pit — Play an intriguing adaptation of an ancient Oriental game!
Dinosorcerer — Create thousands of dinosaurs with this prehistoric construction kit.
Macro Magic — Translate single keypresses into multiple-character strings of text!
Prehistoric Print Shop® A companion collection of creatures for this month's **Dinosorcerer.**

ISSUE #98   (Two 5.25″ Disks / One 3.5″ Disk)

Cribbage Companion — Learn cribbage, then play the computer in this colorful card game.
Happy Jacket — Design, print, and fold to create custom disk sleeves.
Alfredo's Stupendous Surprise — Experience insurmountable obstacles with your favorite computer anti-hero.
Print Shop® Images and Font — Add to your Print Shop collection with 28 new images and an original font.
The Crossword Machine — Solve this challenging 121-square computer crossword puzzle.
Hook — Eliminate unnecessary disk accesses by "unhooking" connected disk drives via software.
Crypto-Maker — Solve our encrypted puzzles, or create your own!

ISSUE #99   (Two 5.25″ Disks / One 3.5″ Disk)

Medical Expenses — Keep accurate records of your entire family's medical expenses.
Tennis — Lob, volley, and ace out your opponent in a fast-paced game that's sure to test your reflexes!
Cell Block, Lesson 1 — First in a new series on how to design powerful AppleWorks® templates.
Print Shop® Graphics and Font — A menagerie of clip art creatures, plus an IBM-logo-based font!
Sub Stalker — Sight and sink enemy subs in an underwater action arcade game.

ISSUE #99 (Continued)

Procopy — Copy files from disk to disk, even if you have only one disk drive.

PFX — Forget about using slashes in pathnames.

Spanish Tutor — Teach or learn one of the world's fastest-growing languages.

ISSUE #100 (Two 5.25" Disks / One 3.5" Disk) SPECIAL COLLECTOR'S ED.

Calendar Wizard — Create custom calendars with this powerful, all-in-one application.

Softdisk Centennial — Browse through a decade of impressive Softdisk programs!

Job Hunter — Track every resume you have in circulation.

Birthday Games — Celebrate with a super trilogy of arcade games.

Cell Block, Lesson 2 — Learn more about AppleWorks!

Print Shop Graphics — A variety of fun clip art.

Map — Check your disk for blocks free and blocks used.

ISSUE #101 (Two 5.25" Disks / One 3.5" Disks)

Purrfect Math — Make math fun for young learners with this simple addition and subtraction drill.

Golf-A-Way — Keep track of your handicap with this unique AppleWorks® template.

Archival Lister — Print easy-to-read BASIC program listings in a snap.

Grotto Run — Fly through the grotto — and stay alive in this frantic arcade game.

Cell Block , Lesson 3 — Third in our spreadsheet-building series.

Print Shop Graphics — Add U.S. Navy fighter squadron logos to your clip art collection.

Cassette Inserts — Organize your audio tape collection with colorful and informative insert labels.

ISSUE #102 (Two 5.25" Disks / One 3.5" Disk)

Custom Database — Organize anything from collections and business inventories to names and addresses.

Monitor Command — See every MLI instruction that ProDOS executes.

Print Shop Fonts — Create better-looking signs, banners, and cards with these 16 new Print Shop fonts.

Time Machine — Pack your audio and video tapes full of sounds and scenes with the help of this AppleWorks spreadsheet template.

High Stakes Poker — Play draw poker against two computer opponents in this hi-res card game.

Cell Block, Lesson 4 — Become a power AppleWorks spreadsheet user.

ISSUE #103 (Two 5.25" Disks / One 3.5" Disk)

Word Castle — Improve your child's vocabulary skills with this hidden-word game.

Outliner— Organize your thoughts into a formal outline.

Crossword Machine — Solve four challenging puzzles in our updated Crossword Machine!

Dark Designs — Explore five levels in your quest for Grelminar's staff.

Monthly Mail — Automate your monthly mailings with this handy name and address database and envelope printer.

Print Shop Graphics — Put some of the Softdisk issue graphics to work in Print Shop!

ProPOWER Utilities — Add three new, powerful commands to BASIC—BEEP, DATE, and TIME.

ISSUE #104 (Two 5.25" Disks / One 3.5" Disk)

Lab Assistant — Learn about the atomic mass, electron structure, and many other details of over a hundred chemical elements.

Balance Sheets — Small business users will smile then they see this AppleWorks Balance Sheet template.

ISSUE #104 (Continued)

Print Shop Graphics — We return with more of the popular Naval aviation insignias.

Time Tunnels — Improve your hand/eye coordination!

Cell Block #5 — The world's greatest AppleWorks spreadsheet wizard is back.

ProPOWER — Another fabulous utility that lets your send formatted TXT, AWP, BAS, and BIN files to your screen or printer from BASIC.

Crossword Machine II — Solve puzzles faster than Pat and Vanna!

ISSUE #105 (Two 5.25" Disks / One 3.5" Disk)

Flash Math — It works like electronic flash cards.

ProPOWER Utilities — Print a formatted hexadecimal listing of any file!

Crossword Machine II — Here are three more challenging mindmelters.

Treasure Hunter — Set sail on a search for sunken treasure in this incredible simulation game!

Cell Block #6 — Harness the power of the AppleWorks spreadsheet.

Print Shop Border Graphics — Give your print work a bold new look.

ISSUE #106 (Two 5.25" Disks / One 3.5" Disks)

Amusement Park — Beat the thief by finding the stolen goods hidden at the fun park.

File Chopper — Split large TXT or AWP files into a collection of smaller files.

Cell Block #7 — Learn tricks and shortcuts by using the clipboard.

Crossword Machine II — Bigger puzzles, and more challenges!

Print Shop Images — These include animals, vegetables, large trucks and even a space shuttle!

Scrambled Eggs — A numerical version of the classic code breaker game.

Checkbook — An AppleWorks spreadsheet that tracks virtually any transaction.

ISSUE #107 (Two 5.25" Disks / One 3.5" Disk)

Kings Up — Play solitaire on your computer.

Cell Block #8 — Delve into the dark realms of practical—but unusual—uses of AppleWorks.

Print Shop Graphics & Fonts — Two terrific fonts and great new graphics!

Print Shop Browser — This add-on Applesoft command will plot a Print Shop graphic on the hi-res screen.

Number Please — This educational game tests memory and number skills.

Income Form — This AppleWorks spreadsheet stores and processes all your business' information so you can find out what your net income really is!

ISSUE #108 (Two 5.25" Disks / One 3.5" Disk)

Klondike — Beat the computer at this classic game of solitaire.

Slide Block — Solve this engaging computer version of the childhood "sliding tile" puzzle.

Print Shop Graphics — Send your correspondence into orbit with 22 detailed images of historical NASA patches.

ProPOWER Utilities-POP — Remove multiple directory levels for the current prefix.

Estimated Inventory — Calculate the value of your business inventory.

Animal Trivia — Learn interesting, little known facts about 241 creatures in the animal kingdom.

Numerology — Plug in your name and birth date and discover the hidden numbers that give insight into your character and personality.

Cell Block #9 — Learn all about time calculations.

ISSUE #109 (Two 5.25" Disks / One 3.5" Disk)

Payroll — Do your own payroll!

Thumb and Punch — Similar to Canfield, this solitaire game has a few new twists.

ISSUE #109 (Continued)

Print Shop Graphics — Conjure up mystery with this set of tarot card graphics.
Phobias — Explore the variety of different fears people experience.
ProPOWER "Bell" — Change that annoying ProDOS bell to a pleasant beep.
Dark Designs II: Closing The Gate — Find the mystical gate that will keep evil creatures from entering the world.
Cell Block #10 — Learn how to handle date calculations.

ISSUE #110 (Two 5.25" Disks / One 3.5" Disk)

Klondike 3 — Beat the odds at this advanced solitaire card game.
Super Hi-Res Loader — Dazzle yourself by converting super hi-res pictures to view on your double Hi-res screen.
ProPOWER Utilities — List an "eighty column" catalog of all directories and subdirectories.
Print Shop Graphics — Frame your printed creations with an exotic border.
Notes Receivable — Determine the maturity and discounted value of your notes receivable.
Speedy Delivery — Help your child learn logical problem solving with this delightful puzzle.
Cell Block #11 — Discover a variety of shortcuts and tips to speed up database and printing functions in AppleWorks.

ISSUE #111 (Two 5.25" Disks / One 3.5" Disk)

Loan Calc — Calculate loan payments over various interest rates and years.
Cell Block #12 — This month: TextTricks and Troubles With Text and Spreadsheets.
ProPOWER Command: Set/Get Info — Learn what technical information is stored with a file, and change that information!
Crossword Puzzle II — Enjoy two fine, difficult crossword puzzles.
Shutterbug's Pictures — This educational game teaches recognition and matching skills.
Print Shop Fonts — Four fonts for use with the Print Shop and Print Shop Companion.
Rocketype — An exciting game for beginning and advanced typists.

ISSUE #112 (Two 5.25" Disks / One 3.5" Disk)

Budget '91 — This AppleWorks template helps you budget your money over a six month period.
To Do List — Organize and prioritize your activities.
ProPOWER Command: Convert — Translate decimal to hexadecimal and vice versa.
Shatterstar — Blast your way through the defenses of the Galaxy Lord.
City Protector — Block bombs dropped by evil sky machines with your interceptor.
Chaos Explorer — A mathematical equation that suddenly creates perfect order or complete chaos.
Print Shop Graphics — There are bugs, animals, a font and more in this collection of images.

ISSUE #113 (Two 5.25" Disks / One 3.5" Disk)

Presidential — A biographical AppleWorks database of every president from Washington to Bush.
Presidential Quotes — An insightful AppleWorks database of the witticisms of America's leaders.
Salvage — A scrolling arcade game where you fight pirates and collect valuable galactic junk!
Speedy — A speed-reading tutorial that really works!
Monthly Mystery — The mystery is... you don't know what it is 'til you run it!
Print Shop Graphics — More images to add to your Print Shop.

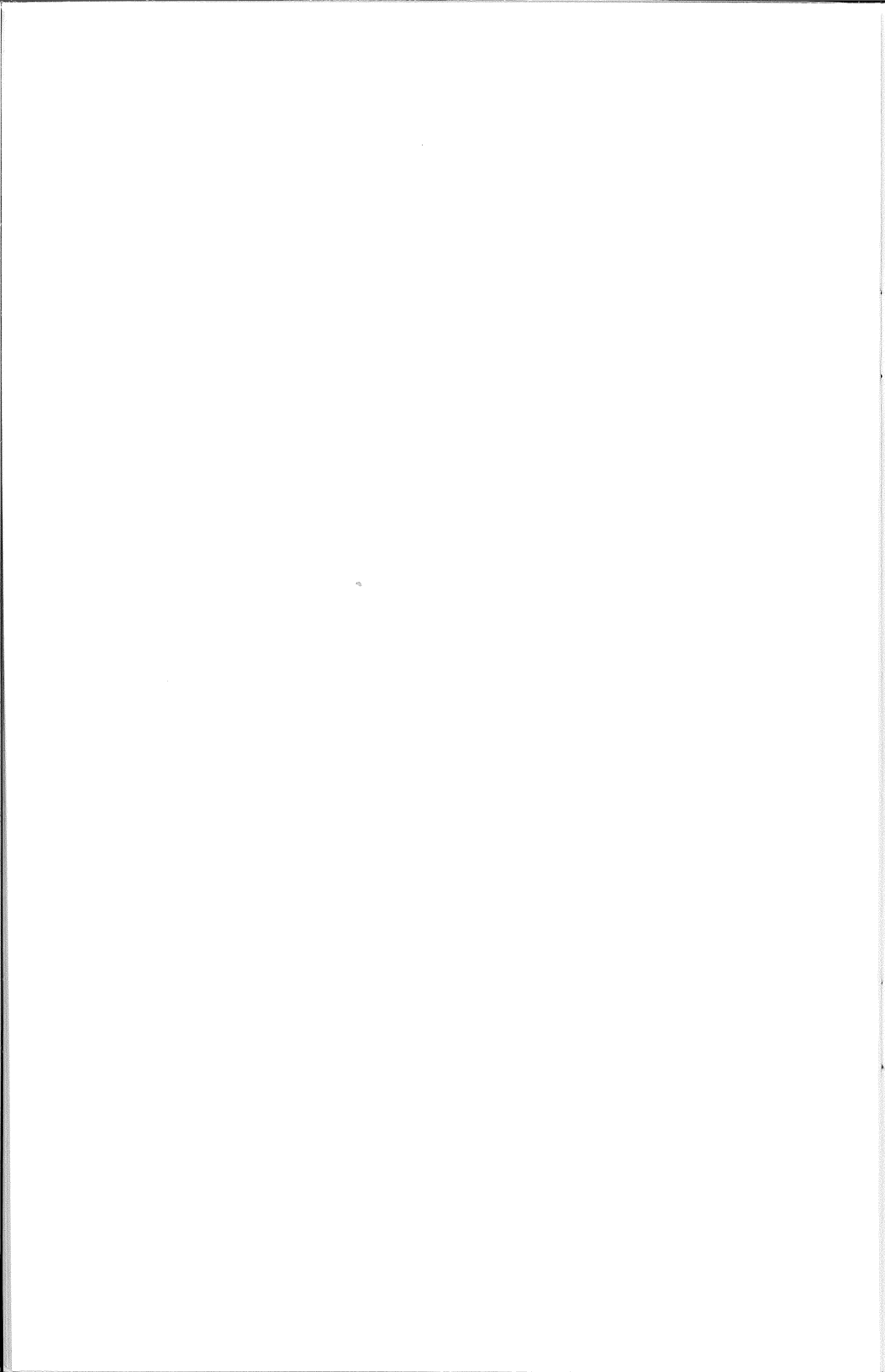## ISSUE #114 (Two 5.25" Disks / One 3.5" Disk)

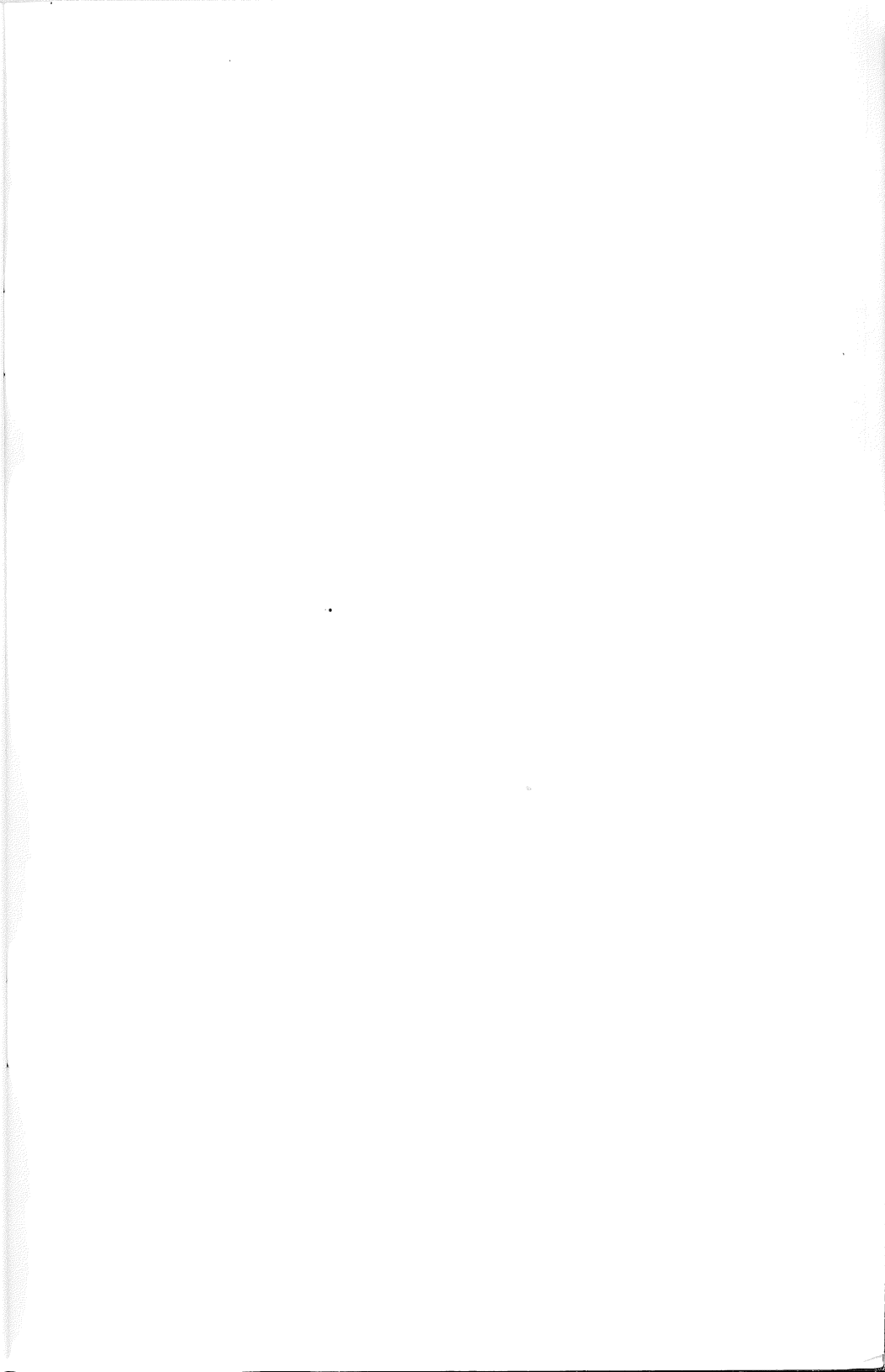**Movie Minder** — Keep track of your videotapes in the AppleWorks database.
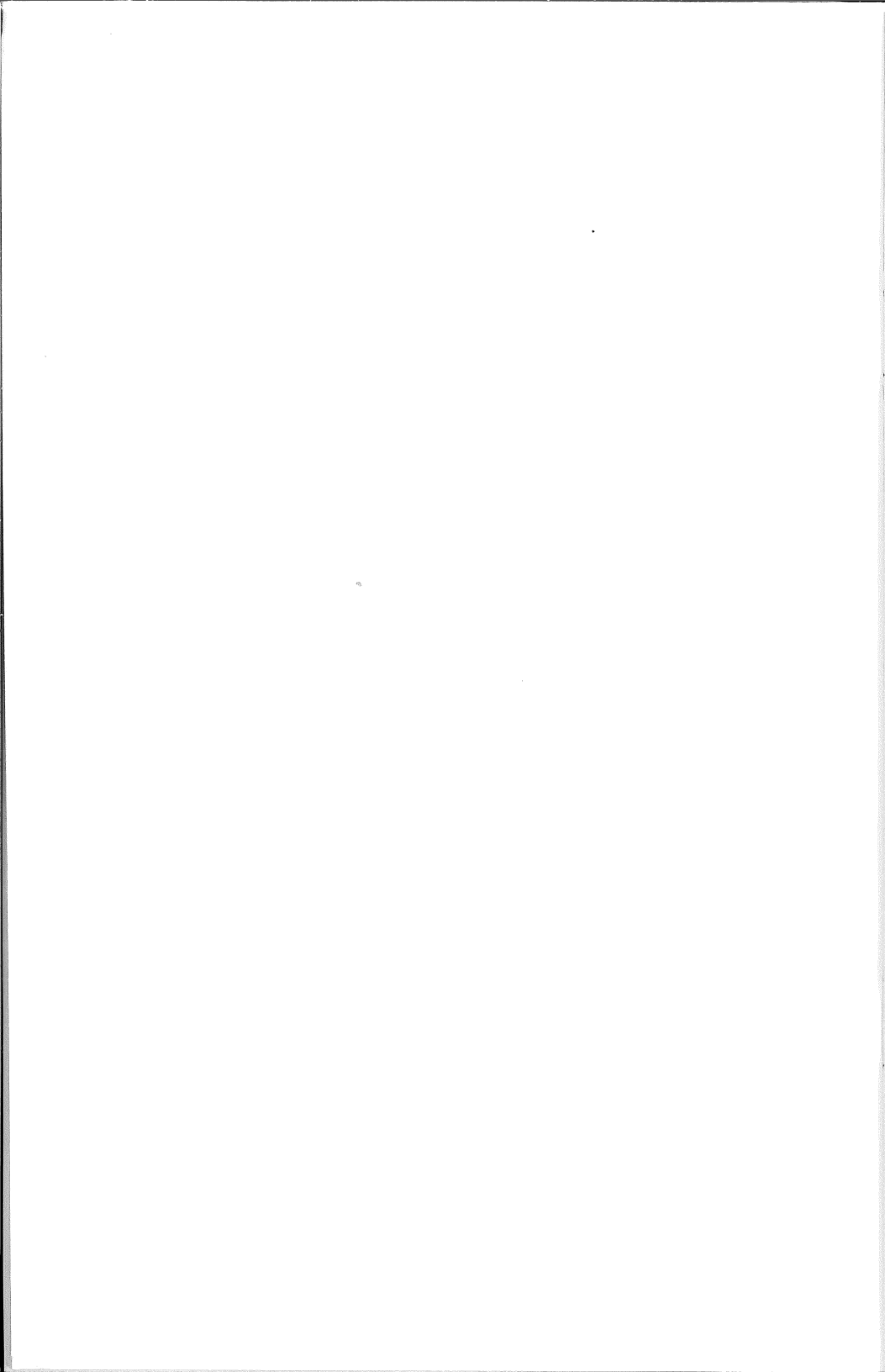**Monthly Mystery II** — There's something fishy about this one. You'll have to run it to find out.
Catacomb — A *double hi-res* arcade game where you're a powerful magician fighting evil forces.
M.A.L.T. — Make great labels for your disks and videotapes.
Print Shop Graphics — Animals A to Z are here for you to browse through.

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Al Vekovius
President

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