

\$2.95

CANADIAN
\$3.50

THE MAGAZINE FOR HOME AND HOME OFFICE

JUNE 1987

VOLUME 5
NUMBER 6

PREVIEW
NEW IBM
PERSONAL SYSTEM/2

FAMILY COMPUTING

Buyer's Guide to Computer Systems

Top 10 Home Businesses

Home Office

Personal Finance

Shopping Tips

Entertainment

Education

Telecomputing

24 AT-A-GLANCE
SOFTWARE REVIEWS

ORIGINAL PROGRAMS FOR
ADAM, APPLE II SERIES &
MACINTOSH, ATARI 400, 800,
600/800XL & 130 XE
COMMODORE 64/128 & VIC 20,
IBM PC & COMPATIBLES,
TANDY COCO & MODELS
III & 4, TI-99/4A



FAMILY COMPUTING

COVER STORY

31 BUYER'S GUIDE TO COMPUTERS

What do you need in a system, and how much do you want to spend? Use this Buyer's Guide to evaluate 17 popular models, comparing such features as memory, sound, graphics resolution, bundled software and hardware, and list price.

HOME OFFICE

12 MAKING BUSINESS FORMS

Put your IBM PC or compatible to work generating letterheads, invoices, and other specialized forms with programs such as *EZ-Forms Executive*, *FormWorx*, and *LaserWare*.

PERSONAL FINANCE

16 YOUR MONEY AND YOUR MAC

How to use *MacMoney* and the power of your Macintosh to perform sophisticated record keeping—and make financial documents look like a million bucks. The first in a series of finance-software reviews.

EDUCATION

8 HOME-SCHOOL CONNECTION: PLANNING THE FUTURE

An introduction to software that can help college-bound students and their parents make the best choice from thousands of colleges and career possibilities.

TELECOMPUTING

22 GENIE VERSUS COMPUERVE

Which is more important to you—GEnie's lower cost or CompuServe's wider range of offerings? A comparison of features on the two electronic networks, including non-prime connect rates and news, reference, travel, and financial sections.

LIFESTYLE

39 TOP 10 COMPUTER-BASED HOME BUSINESSES

Ten ways to make money with your computer, plus profiles and comments from people who've succeeded in those businesses.

SOFTWARE

43 GOT SOMETHING TO ANNOUNCE, PROMOTE, SELL?

Announcing a sale, planning a party, or running for office? Here are powerful, easy-to-use printout programs that enable you to enter the world of graphic art—and get your message on paper.

PLUS: PRINTOUT SOFTWARE CHART

46 SHOPPING FOR SOFTWARE

Take these practical steps *before* you spend money on software— learn how to evaluate stores, salespeople, and your own needs, so you'll be satisfied with the programs you buy.

PROGRAMS IN THIS ISSUE

66 HOME-HELPER PROGRAM

Keep telephone messages and family notices organized with *Home Message Center*. Program for Apple, Commodore, IBM & compatible, and Tandy computers.*

76 FUN-AND-GAMES PROGRAM

Maneuver your ship through an asteroid belt in *Space Race*. Program for Apple, Atari, Commodore, IBM & compatible, and Tandy computers.*

80 FUN-AND-GAMES PROGRAM

Set out on a *Kanium Quest* with your Adam. Apple, Atari, Commodore, IBM or compatible, Tandy, or TI computer—and make scientific history when you find the mysterious compound! *

*See program for specific computer models and hardware requirements.

PREVIEW

48A NEW FROM IBM

IBM unveils its long-awaited line of Personal System/2 computers. Model 30, with enhanced memory, speed, and graphics, could meet your home/home office needs.

DEPARTMENTS

4 EDITOR'S NOTE

6 LETTERS

18 ENTERTAINMENT

26 MACHINE SPECIFICS

49 SOFTWARE GUIDE

Brief descriptions and ratings for 24 new and/or noteworthy programs for Education/Fun Learning, Home Business & Productivity, and Entertainment.

55 SOFTWARE REVIEWS

In-depth reviews of several programs in the Guide.

59 K-POWER

How to sell your game to a software publisher; plus strategy and hints for *Aliens*, *Moonmist*, *Ultima IV*, and *The Bard's Tale II*.

63 THE PROGRAMMER

86 CLASSIFIEDS

FAMILY COMPUTING (ISSN 0738-6079) is published monthly by Scholastic Inc., 730 Broadway, New York, NY 10003. Subscriptions: in the U.S. and possessions, 12 issues for \$19.97; outside the U.S. add \$6 (surface mail) or \$25.97 (air-mail). Office of publication: 351 Garver Rd., P.O. Box 2700, Monroe, OH 45050-2700. Second-class postage paid at Monroe, OH 45050-9998 and additional offices. POSTMASTER: Send address changes and notice of undelivered copies to FAMILY COMPUTING, P.O. Box 2511, Boulder, CO 80302. Printed in U.S.A. Copyright © 1987 by Scholastic Inc. All rights reserved.

COVER PHOTOGRAPH BY PAUL D'INNOCENZO



Page 48A



Page 31



File Edit Transactions Lists Plan Reports Graphs

Names		Personal Checkbook		Balance	345.86
Name		Date		Check #	2564
American Express		02/20/87			
Auto Insurance Co.					
Department Store					
Protect-All Insur Co.					
Stuy. Well Insur Co.					
		Pay To	Department Store	\$	125.34
		Memo	various items	ID Code:	

TANDY

BY STEPHEN MILLER

The first of the Tandy-distributed CoCo 3 software, running under OS-9 Level II, has finally started to arrive. Epyx's *Rogue* (Cat No. 26-3297; \$29.95) has been put in the CoCo 3 format, as has the Epyx/Lucasfilm *Koronis Rift* (Cat. No. 26-3298; \$29.95). Both have been available for other computers.

The color, sound, and animation on *Rift* are nothing short of wonderful—at least on the Tandy CM-8 RGB monitor. However, I found that the game really doesn't move fast enough to classify as an arcade shoot-'em-up, and there are not enough puzzles to solve to be classed as a first-rate adventure. The sound, color, and the cute robots, however, may be enough to keep young kids interested.

Rogue, on the other hand, is short on color, graphics, sound, and animation, but it is much more of a challenge. I found myself playing it at length. Now, if I can just keep the leprechaun from stealing my gold....

Beginners' Tutorials. Digital Learning Systems has come out with tutoring programs for the Tandy 1000s: *The FUNDamentals of the EX* (Cat. No. 25-1167; \$29.95) and *The FUNDamentals of the SX* (Cat. No. 25-1166; \$29.95). I love the style of the programs. They provide an entertaining and painless—yet informative—introduction to both the EX and SX, and the basics of computer use. I especially liked the drawing program used to demonstrate the FUNCTION keys in the EX version.

EX Expansion. To expand the EX, you must use Tandy PLUS expansion boards. In order to use more than one expansion board, you first must install the Memory Plus Expansion Adapter (Cat. No. 25-1062; \$129.95). It increases memory from 256K to 384K, and has slots for two additional boards. The additional boards *must* be PLUS boards; third-party expansion boards will not fit. You can also add PLUS boards to the SX (or any other IBM-compatible computer) if you first install a PLUS Upgrade Adapter Board (Cat. No. 25-1016; \$14.95).

A Short CoCo Leash. A couple of CoCo 3 owners were complaining (on a bulletin board I frequent) about the short cable furnished with

the CM-8 RGBI monitor. The short leash makes it impossible to place the monitor any distance from the computer. That problem can be solved by ordering a six-foot monitor extension cable from Spectrum Projects (\$19.95; P.O. Box 264, Howard Beach, New York).

STEPHEN MILLER, former computer columnist for UPI, is a freelance writer and computer consultant.

ORPHANS

BY PATRICK SPERA

Triton Products Company (P.O. Box 8123, San Francisco, CA 94128; [800] 227-6900) has announced a new package that will allow TI-99/4A users to use their computers as keyboards for an IBM compatible. The package (\$499) includes a bridge box and a 256K IBM PC XT compatible computer, but no monitor or keyboard. Now, you can either use the TI-99/4A alone, or use it as a keyboard for the IBM compatible.

Inside the expansion box is a Turbo XT. It runs at two speeds and has 256K (expandable to 640K), a parallel port, a color graphics adapter, disk controller card, and disk drive.

The XT is accessed by a BASIC command, CALL XT. Returning to 4A control is done by holding down the FCTN, CTRL, and RETURN keys together. This system seems fine if you want to keep using your TI; but if you just want an IBM compatible, you might be better off buying a separate unit.

The two machines can run independently. You could simultaneously run a data-base program on your IBM and play a game on the TI. A bad point to this is that you will not be able to access the XT disk drives with TI BASIC.

TS 2068 Soundesign. RMG Enterprises (1419 1/2 7th St., Oregon City, OR 97045; [503] 655-7484), has announced a program that allows you to design and edit musical or sound effects for use on your TS 2068. *Soundesign 2068* (\$14.95 plus shipping) is menu-driven, and only three keys are needed to design a sound effect, which can then be used in your BASIC programs.

PATRICK SPERA can be reached on *CompuServe* (ID: 76703.4350), and is administrator of the *Computer Club Forum* (GO CLUB), a home for orphaned-computer owners.

NEW COLOR MAIL FOR JUST \$11.95*

Spruce Up Your Business, Social, Personal Messages with Colorful Pre-printed Greeting Card Announcements. (Fan Folded-Tractor Fed)

Use With Any Computer-Printer-Any Word Processing Program.



FOLD	CARD #	CARD TITLE
	1	CELEBRATE
	2	PARTY TIME
	3	AN INVITATION
	4	THANK YOU
	5	A SHORT NOTE
	6	WE'VE MOVED
	7	OPEN HOUSE
	8	SEASON'S GREETINGS
	9	MERRY CHRISTMAS
	10	CHRISTMAS DESIGN

*Special Sampler Pre-pack Offer
50 Cards-40 Envelopes Only \$11.95
Plus \$2.00 Shipping and Handling.
(Special Bulk Rates Available)

To Order: Ask Your Dealer or Call:

Classic Compu Cards (609)
3100 W. Chapel Avenue
Cherry Hill, NJ 08002 667-5310

ADAM		
Ribbon Cart (Adam)		1/\$5.50 - \$3/15.00
5 1/4" Disks (SS, DD) or (DS, DD)		25/\$13.25 - 10/\$6.40
Data Pack (Adam) - Original Replacement Plain-Label Coleco		
Loran - (Don't Lose Info on Cheap Datapacks)	1/\$3.95	10/\$34.95
Data Packs - Inexpensive / We'll beat any price		CALL
Daisy Wheel (Adam)-Italic Script Elite		1/\$5.50
Adam Covers - Set with Logo		\$17.95
Micro Works - Integrated Home/Bus System		\$25.95
ENGLISH GRAMMAR BUILDER I - (Tutor) - DP/D		\$19.95
HACKERS GUIDE TO ADAM - Volume II with Disk or DP		\$17.95
VOCABULARY BUILDER I (Tutor) - DP/D		\$19.95
ALGEBRA I (Tutor) DP/D		\$19.95
EBU - Replacement for SmartBasic, Plus More - DP/D		\$21.95
Sign SHOP - DP - Custom Design & Print Signs etc.		\$20.95
PRINTER STAND		\$13.99
AMIGA™ - Atari™ ST Series		
DIABLO-Graphic Mind-Challenge Game		\$29.95
DISK LIBRARY-File Catalog Search More		\$49.95
DEALER INQUIRIES INVITED		
3 1/2" DISK (SS DD)	25/\$37.50 - 10/\$16.50	
3 1/2" DISK (DS DD)	25/\$42.25 - 10/\$17.95	
AMIGA COVERS - Set with Logo & mouse		\$21.95
AMIGA COVERS - Disk drive - 1010 10 2020		\$7.39
ATARI COVERS - 520 ST SYSTEM SET		\$34.95
All AMIGA™ and Atari™ ST software, write for low prices		

NEW COMPUCARDS - COLOR MAIL		
\$11.95/40-50 sampler pack		
Specify Title		
Labels T/F-F/F (Address)		1000/\$6.95
3 1/2" DISK LABELS T/F-F/F		100/\$8.95
S&H - \$2.50 US		M W RUTH CO Dept F67
S&H - \$4.50 CN	VISA	3100 W. Chapel Ave
US \$s only	MASTERCARD	Cherry Hill, NJ 08002
FREE CATALOG - DISCOUNT PRICES (609) 667-2526		

Amiga is a reg trademark of Commodore Corp Atari is a reg trademark of Atari Corp

the PROGRAMMER

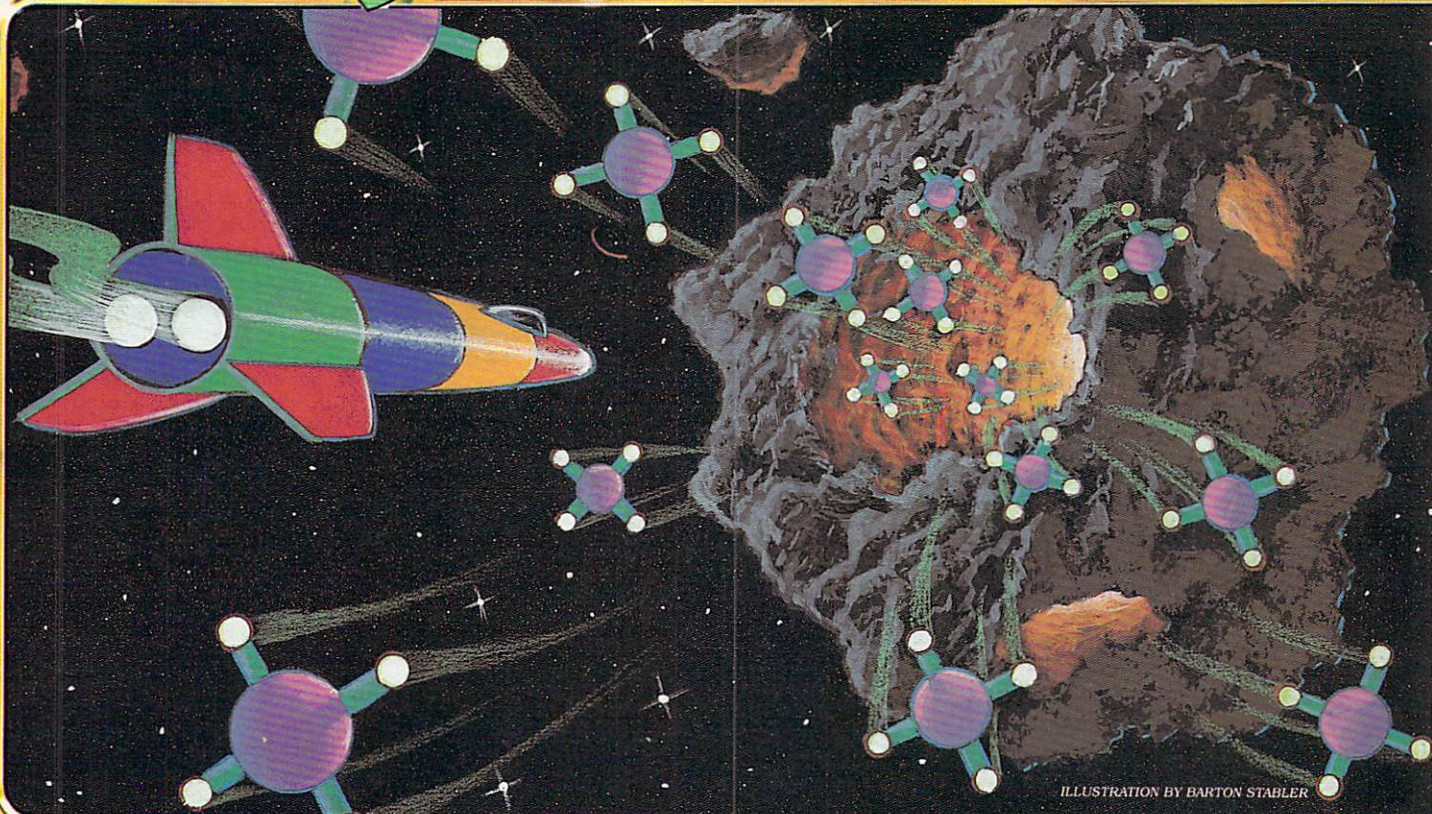


ILLUSTRATION BY BARTON STABLER

★ J U N E ★

HOME HELPER PROGRAM

Page 66

Leave telephone messages and important reminders on our *Home Message Center* and you'll never have to scribble notes on scraps of paper again!

FUN-AND-GAMES PROGRAMS

Page 76

See if you can maneuver your ship to the core of abandoned mining asteroids in *Space Race*.

Page 80

Kantum Quest will send you on a search around the world for "The Unfound Compound."

TIPS TO THE TYPIST

Page 82

How to type in *FAMILY COMPUTING's* programs, and what to do if a program doesn't work.

ILLUSTRATION BY JAMES CHERRY III

Cherry

THE UNFOUNDED COMPOUND

BY KAREN KANE

You are a chemistry professor at a major university and must stay on the cutting edge of new and exciting developments in the discipline. One evening, while experimenting with some of the rare elements, you accidentally create a new chemical compound. Extensive lab tests show that the compound—which you have dubbed Kanium—can exist in a solid, liquid, or gaseous state, and decomposes at a rapid rate. What's more, Kanium demonstrates properties so versatile that it could revolutionize present technology. You even suspect that the substance—in its gaseous form—could neutralize the disastrous effects of a nuclear explosion.

This is your chance to prove yourself to the scientific community—to make history, but you have no idea how to re-create the compound. So you set out on a worldwide search for natural sources of Kanium.

You are equipped with aircraft that will fly as high as 10 kilometers above sea level; diving gear and drills that will lower you to 10 kilometers below sea level; and tools to help you comb the mountains, deserts, and jungles of the earth. Most important, you carry your homemade Kanometer, a device that uses Kanium's strong, quasi-magnetic attraction to itself to sense the compound's presence in any state. Your Kanometer will give a distance reading but will not indicate the direction in which the substance can be found.

FIND IT FAST

To find the Kanium, type in the version of *Kanium Quest* for your com-



puter and run it. Then, all you have to do is enter a whole number for latitude (from -90 degrees South to 90 degrees North), longitude (from -180 degrees West to 180 degrees East), and altitude (from -10 kilometers below sea level to 10 kilometers above sea level). For example, if you want to begin your search off the shores of Kill Devil Hills, North Carolina, you might enter 36,-75,-5 for latitude, longitude, and altitude. The Kanometer will tell you how far you are from the nearest source of Kanium and how many weeks are left before your supply of Kanium decomposes; and, it will ask for your next search position. By examining the Kanometer readings, you can narrow in on the powerful new chemical substance Kanium and become world famous for your find!

Time, however, is your only obstacle. Because you have only a small amount of Kanium for your Kanometer, you must locate more before the sample decomposes.

NOTE: *Once you find the exact coordinates of the Kanium, it might be fun*

to look them up in an atlas to see where your search led you.

Kanium Quest was inspired by a similar pro-

gram submitted by Dr. Michael W. Ecker, editor and publisher of the Recreational & Educational Computing Newsletter.

Adam/Kanium Quest

```

10 LOMEM: 29000:DIM ut$(1):ut$(0) = "":ut$(1) = "s"
20 FOR m = 28000 TO 28005:READ t:POKE m,t:NEXT m
30 HOME:PRINT "Press any key to start.":CALL 28000
40 t = RND(1):k = PEEK(64885):IF k = 0 THEN 40
50 fa = .01745329:n = INT(RND(1)*31)+20:ct = 0
60 ga = INT(RND(1)*181)-90:go = INT(RND(1)*361)-180
70 gh = INT(RND(1)*21)-10:hr = 6379+gh
80 xr = hr*SIN((90-ga)*fa)*COS(go*fa)
90 yr = hr*SIN((90-ga)*fa)*SIN(go*fa)
100 zr = hr*COS((90-ga)*fa):HOME
110 PRINT "What is your search position"
120 PRINT "in Latitude, Longitude, and "
130 INPUT "altitude? ";a,b,c
140 IF INT(a) <> a OR INT(b) <> b OR INT(c) <> c THEN
110
150 IF ABS(a) > 90 OR ABS(b) > 180 OR ABS(c) > 10 THEN
110
160 ct = ct+1:r = 6379+c
170 x = r*SIN((90-a)*fa)*COS(b*fa)
180 y = r*SIN((90-a)*fa)*SIN(b*fa)
190 z = r*COS((90-a)*fa)
200 d = INT(SQR((x-xr)^2+(y-yr)^2+(z-zr)^2)+0.5)
210 PRINT:IF d = 0 THEN 320
220 PRINT "You are ";d;" kilometer";ut$(d > 1)
230 PRINT "away from the nearest source "
240 PRINT "of Kanium.":PRINT
250 IF ct = n THEN 280
260 PRINT "In ";n-ct;" week";ut$(n-ct > 1);" the Kanometer's"
270 PRINT "Kanium will decompose.":PRINT:GOTO 110
280 PRINT "Too bad, professor."
290 PRINT "Your supply of Kanium has"
300 PRINT "decomposed, and so has your"
310 PRINT "chance at fame and fortune.":END
320 PRINT "Congratulations, professor!"
330 PRINT "After ";ct;" week";ut$(ct > 1);" of searching,"
340 PRINT "you finally located the Kanium.":END
1000 DATA 62,0,50,117,253,201

```

Apple II series/Kanium Quest

```

10 DIM UTS(1):HOME:UTS(0) = "":UTS(1) = "S"
20 FA = .01745329:N = INT(RND(1)*31)+20:CT = 0
30 GA = INT(RND(1)*181)-90:GO = INT(RND(1)*361)-180
40 GH = INT(RND(1)*21)-10:HR = 6379+GH
50 XR = HR*SIN((90-GA)*FA)*COS(GO*FA)
60 YR = HR*SIN((90-GA)*FA)*SIN(GO*FA)
70 ZR = HR*COS((90-GA)*FA)
80 PRINT "WHAT IS YOUR POSITION IN LATITUDE,"
90 INPUT "LONGITUDE, AND ALTITUDE? ";A,B,C
100 IF INT(A) <> A OR INT(B) <> B OR INT(C) <> C THEN
80
110 IF ABS(A) > 90 OR ABS(B) > 180 OR ABS(C) > 10 THEN
80
120 CT = CT+1:R = 6379+C
130 X = R*SIN((90-A)*FA)*COS(B*FA)
140 Y = R*SIN((90-A)*FA)*SIN(B*FA)
150 Z = R*COS((90-A)*FA)
160 D = INT(SQR((X-XR)^2+(Y-YR)^2+(Z-ZR)^2)+0.5)
170 PRINT:IF D = 0 THEN 260
180 PRINT "YOU ARE ";D;" KILOMETER";UTS(D > 1);" AWAY FROM"
190 PRINT "THE NEAREST SOURCE OF KANIUM.":PRINT
200 IF CT = N THEN 230
210 PRINT "IN ";N-CT;" WEEK";UTS(N-CT > 1);" THE KANOMETER'S KANIUM"
220 PRINT "WILL DECOMPOSE.":PRINT:GOTO 80

```

ADAM™

- CP/M 2.2 & ASSEMBLER (Disk, DP)\$35.00
- ADAMCalc (DP)\$19.00
- SmartLOGO (DP)\$19.00
- Address Book Filer w/auto dialer\$25.00
- Adam Direct Connect Modem w/sw\$45.00
- LORAN DATA PACKS\$5.00-10/\$35
- ALPHA-ONE Data Packs10/\$19
- Printer Ribbons\$5.50-3/\$15
- TRACTOR FEED For ADAM Printer\$65.00
- MultiWRITE-64 column word processor\$36.00
- SignSHOP-Print signs, poster, banners\$22.00
- 64K Memory Expander\$45.00
- PACKCOPY-Backup SmartBasic, etc.\$29.00
- COPYCART + Backup game cartridges\$15.00
- Super Action Controllers w/Baseball Cartridge ...\$45.00
- MicroWORKS-Complete fully integrated productivity system features database, spreadsheet, graphics, text editor\$27.00

**More Items In Stock

Send for **FREE CATALOG - EVERYTHING FOR ADAM™**
ALPHA-ONE Ltd

1671 East 16th St., Suite 146

Dept. FC87, Brooklyn, NY 11229

(718) 336-7612 S/H \$2.50 USA, \$4.50 Canada

WE WILL NOT BE UNDERSOLD. WE WILL MEET OR BEAT ALL ADVERTISED PRICES FOR ANY ITEM THAT WE CARRY. JUST INCLUDE A COPY OF THE AD WITH YOUR ORDER!!

CIRCLE READER SERVICE 4

ADAM

ADAM IS ALIVE AND WELL

The NIAD ADAM User's Group is committed to the ADAM. We offer a COMPLETE line of service to our over 2000 members.

- Quality NEWSLETTER packed with FREE programs, reviews, and tips.
- PUBLIC DOMAIN LIBRARY of over 700 programs including never released commercial software.
- DISCOUNT BUYING service carrying over 100 ADAM products: Modems, Color Printers, Software, Supplies, and Books.

== NEW PRODUCTS INCLUDE ==

- GRAPHIXPAINTER: HI-RES dot matrix graphics printing.
 - GRAPHIXPIX: HI-RES color graphic pictures.
 - MICROWORKS: Multi integrated programs
- Send SASE for free catalog to:



MULTI-FUNCTION USER GROUP
MONTHLY NEWSLETTER-PUBLIC DOMAIN LIBRARY
DISCOUNT BUYING SERVICE FOR HDW & SFTW

CIRCLE READER SERVICE 29



DESIGN NEEDLECRAFT CHARTS

for Counted-Cross-Stitch, Needlepoint, Latch Hook, Knitting, etc. using a revolutionary new computer program—

The Stitch Grapher.

Graphs as large as 240 X 400 stitches with up to 30 symbols may be generated and printed with any of 3 grid styles along with a color chart. A unique windowing feature allows the designer to move, copy, rotate, mirror image, save and re-use previous designs.

The **Stitch Grapher** is compatible with the **64K Apple II** and **256K IBM-PC** microcomputers. Disk plus 90-page spiral bound manual—\$89.95. Dealer inquiries welcome. To place an order, or for complete information contact

COMPUCRAFTS

RFD 2 Box 216, Lincoln, MA 01773

(617) 259-0409

Apple version supports the Imagewriter and Scribe printers directly (depicted grid style is available for these printers only). Other dot matrix printers require graphics capable interface card or separate support software. IBM-PC version supports CGA, EGA graphics adapters and IBM / Epson compatible printers.

LOTTERY PLAYERS

\$\$\$\$\$\$

Why guess at those lotto numbers!
Your computer can give you a real edge in those big state lottos!

"The Lotto Program" will quickly tell you which numbers you should be playing! No random numbers, this program actually analyzes the past winners so you can project which numbers will likely come up in the next few drawings. You simply add the latest winners each week and the program does the rest. It's fun and easy to use and could be worth millions of dollars! APPLE, C/64, IBM and ATARI 800/130 versions are ONLY \$21.95. The Super Macintosh version is only \$29.95. Visa, MC or checks welcome. Please add \$1.50 for shipping. *We give good fast service!*

(513) 233-2200

SOFT-BYTE

P.O. BOX 556 FOREST PARK
DAYTON, OHIO 45405

CIRCLE READER SERVICE 46

ROOTS II™

Organize your family history using ROOTS II, the most comprehensive genealogy program available for the IBM PC and compatibles. \$195 plus applicable CA tax.

Call today for free brochure.

COMMSOFT ROOTS for YOU too!

COMMSOFT

2257 Old Middlefield Way, Ste. C
Mountain View, CA 94043
(415) 967-1900

(800) 32-ROOTS

in CA

(800) 53-ROOTS

CIRCLE READER SERVICE 10

And your Earls and Viscounts. If you've got royal ancestors, we have the noble software that can help you trace them down.

Family Roots and your Apple, Macintosh, IBM, Commodore, Kaypro, TRS-80,* and many others, offer individual and group sheets, charts, name indices, general search and text capabilities. Adapts to most disk drives, printers, and screens. You get more utility programs, plus lots of personal control. A comprehensive (new) manual is included. All for just \$185.

Put up
your
dukes!

Write or call today for more information and a free brochure.



Quinsept, Inc.

P.O. Box 216
Lexington, MA 02173
Telephone: (617) 641-2930

American Express, Visa, and MasterCard gladly accepted.

*Trademarks for Apple Computer Inc., International Business Machines, IBM, Inc., Digital Research and Tandy Corp.

CIRCLE READER SERVICE 40

Know Thy PC

Peaks 'n Pokes, a classic since 1982, shows you how to read and change your system configuration!

- Read number of drives (including types on AT class), type of machine, type of monitor, system memory, number of printers & COM ports.
- Use 4 printers as LPT1. Detect printer errors before printing—No more timeouts. Swap monitors on the fly.
- Plug characters into the keyboard buffer.
- Unprotect IBM and GW-BASIC programs saved with "P" option.
- DOS/BIOS function calls and interrupts from BASIC, Pascal, C and Fortran.
- Read file directory, read/change file attributes, get free disk space.
- Force diskette motor on for faster throughput.
- Boot system from BASIC and much, much more.

Not copy protected. No royalties in compiled programs. \$45 + s/h (\$3 US, \$5 Canada, \$18 others). Requires IBM or close compatible. In Georgia, add tax and call (404) 973-9272. MC / VISA OK.

MicroHelp, Inc. • 1-800-922-3383
2220 Carlyle Dr. • Marietta GA 30062

CIRCLE READER SERVICE 26

Handwriting Analyst

Discover the secret personalities of friends, business associates, or celebrities.

\$49.95

Use the illustrated manual to answer easy multiple-choice questions, then choose either a quick or a detailed report. Amazingly insightful. Great for parties, personal relationships, and business deals. Ask for it at your local store or buy direct (check, Visa, or Mastercard—money back guarantee.).

IBM PC or Apple II

Ciasa
2017 Cedar St.
Berkeley, CA 94709
(415) 644-2771



Stationers

Personal Computer Stationery

SPECIALIZING IN TOP QUALITY, OFFSET PRINTED CONTINUOUS STATIONERY AND ENVELOPES. HOLIDAY AND GENERAL PURPOSE LETTERHEAD.

Available in increments of 25 to 25000.

Add that personal touch—use our holiday stationery in place of traditional cards.



For home and business use.

Send your family, friends or clients letters, invitations, notices, etc. all on beautifully printed stationery.

Whether you use your computer, typewriter word processor, or your own hand, this quality stationery will impress.

We are offering a useable sample package of our stationery and envelopes. To receive these samples and order form please send \$3.00 for postage and handling to:

PC Stationers
P.O. Box 1688
Brea, CA 92622-1688

COMING SOON:
CONTINUOUS TRACTOR
FEED GREETING CARDS
FOR YOUR HOME OR
OFFICE.

CIRCLE READER SERVICE 32

CLASSIFIED

ANNOUNCEMENTS

Let over 435,000 families see your ANNOUNCEMENT in this section of **FAMILY COMPUTING** classified! Call (212) 505-3587 now!!!

BOOKS/MANUALS

Enjoy Family Fun with your IBM PC or Compatible. PC Entertainment Journal shows you how. Expand your computer use and save money! Just \$24 for Vol. 1 (10 issues & a free 3-ring binder) MoneyBack Guarantee PCEJ, 412 W. 5th, Newberg, OR 97132 or call (503) 538-7889. Visa/MC

BUSINESS OPPORTUNITIES

PERSONAL COMPUTER OWNERS **CAN EARN \$1,000 TO \$5,000** MONTHLY SELLING SIMPLE SERVICES PERFORMED BY THEIR COMPUTER. WORK AT HOME - IN SPARE TIME. GET FREE LIST OF 100 BEST SERVICES TO OFFER. WRITE: A.I.M.A.H., P.O. Box 60369, SAN DIEGO, CA 92106-8369.

EARN MONEY AT HOME WITH YOUR COMPUTER! SEND FOR FREE DETAILS TO: NORTHEASTERN GIFTS 234-F NO. 16TH STREET BLOOMFIELD, NJ 07003

CAMPS

1,2,4,6 Week Programs. Ages 8-18 Coed Computer Training + Outdoor Activities Midwest Computer Camp 9392 Lafayette Unit C3, Indpls, IN 46278 (317) 297-2700

COMPUTER CAMP—University of Oregon Computer and Recreational program for ages 9-15. July 18-26. Call/Write 1553 Moss St. Eugene, OR 97403, 503-686-3537

CONSUMERS' GOODS



NO Camera Necessary
Second VCR
Character Generator

- Custom and Preset Titles
- Blank-Out Commercials
- Full Color Control
- Scrolling and Much More

\$29⁹⁵

POST PAID

Specify Disk/Tape and APPLE II • ATARI • COM 64 • IBM • VIC 20

VIDEOWARE FREE INFO

19777 W. 12 Mile Rd. Suite 180, Dept. FC, Southfield, MI 48076
Computer Program Tapes Titles on Any Video Tape

UNIQUE GIFT FOR COMPUTER LOVER. T-SHIRTS AND SWEAT SHIRTS WITH POPULAR COMPUTER DOS COMMANDS. BLUE LETTERS GRAY BACKGROUND. CHILDREN S.M.L. T-SHIRT \$7.50. SWEAT SHIRT \$13.50. ADULT S.M.L.XL T-SHIRT \$8.50. SWEAT SHIRT \$15.50. JF SHIRTS, DEPT FC. PO BOX 2223 NORTH BABYLON, NY 11703

FOR FREE/TO SWAP

COMPUTER FACT BOOK

Learn about COMPUTERS the EASY Way For **FREE** Information write: **COMPUTER & ARTS** 5580 La Jolla Blvd., Suite 472-L, La Jolla, CA 92037

HARDWARE

ADAM, APPLE & IBM Hardware/Software Send SASE. UNIVERSAL INTERFACE SYSTEMS Suite 133-20465 Douglas Cr. Langley, British Columbia V3A 4B6

ADAM 64K \$30 US For orders or info Hard/Software—SPECTRUM ELECTRONICS 14 Knightswood Cr. Brantford, ONT N3R 7E6 Visa/Amex 519-753-4688

DISCOUNT SOFTWARE/HARDWARE Apple, Commodore, TI-99, Atari, IBM-PC 30% below retail. TI ext.-BASIC \$49 Star NP10 \$179, Panasonic 10801 \$215 Atari 1050 Disk Drive \$139, Atari 130 XE Computer \$139, Atari 1040 ST w/color monitor \$850, TI writer \$26. Over 500 software titles. Send \$1 for cat. Specify computer 716-688-0469. **MULTI VIDEO SERVICES** BOX 246 E. AMHERST, NY 14051. Call after 6 PM

ADAM Discount Hardware & Software, Send a self-addressed stamped envelope for our new **FREE FLYER**, to DATA BACKUP, Box 335, Iona, ID 83427

Attention **IBM-APPLE COMPATIBILITY CARD** NOW RUN APPLE PROGRAMS ON ALL MS-DOS SYSTEMS **FREE BROCHURE** 1-800-872-9942 IN FL. (305) 962-8846

COMMODORE CUSTOM CHIPS. For people who want to do their own repairs. Low Prices on IC's: 6510/6526—\$9.95, 6567—\$15, 6581—\$12, PL/82S100—\$14 & others. User group specials/quantity prices avail. C-64 Power Supply \$29. "The Commodore Diagnostician" A chart for diagnosing bad IC's \$6.95 Kasara Microsystems, Inc., 33 Murray Hill Dr., Spring Valley, NY 10977 800-642-7634 (outside NY) 914-356-3131

ADAM HARDWARE KITS 64K Expanders \$34.95, Centronics Interface \$29.95, Assembled 80 Col Unit \$235.00 SASE to Orphanware PO Box 324 Canal Fulton, OH 44614

SAVE HUNDREDS Better, high quality PC's. Free Details. B&M Enterprises 4 Canadian Woods Rd., Marlboro, NJ 07746

ADAM, AMIGA, ATARI 520-ST OWNERS! Let The Adam Depot be your one stop Computer Center for all your HW/SW needs. Cat. 25¢, specify computer, Visa/MC The Adam Depot 419 Ridgway Ave Johnsonburg, PA 15845 (814) 965-2487

MISCELLANEOUS

LASERWRITER PRINTER/MACINTOSH \$0.75/page or \$12/hr, plus \$2 S/H. Fast. (714) 968-0661, Chinghai Inc. 9108 Helm, Fountain Vly, CA 92708

TI99/4A Owners: MICROpendium is a monthly only for the TI (since 2/84). \$17/year or \$2 for sample. Box 1343, Round Rock, TX 78680 512-255-1512

TS2068 Floppy Disk Interface and CPM and more. Aerco, Box 18093, Austin, TX 78760. (512) 451-5874.

DUST COVERS WITH 5 YEAR GUARANTEE

Dust covers of softlined vinyl. NEW! Factory Direct Pricing Color: Black/Brown/Beige/Tan/White
ADAM 3 Piece Set \$15.16
ADAM Disk Drive \$ 5.60
IBM 2 Piece Set \$10.97
IBM PC JR. 2 Piece Set \$ 9.28
COMMODORE 64 Or 1541 Drive \$ 5.60
APPLE II, IIC, Or Drive \$ 5.60
APPLE IIE, or Dual Drive \$ 6.56

If we don't have the cover you need we can make it and guarantee it to fit. ADD \$2 S/H: SASE for more info **J-CHECK SOFTWARE** P.O. Box 345, Millry, AL 36558 CK/MO/VISA/MC (205) 846-2360

ADAM KEYBOARD OVERLAYS 16 FOR \$11: ASSORTED VENDOR PGMS ADAM IRON-ON T-SHIRT DECAL EACH \$5: size 11x8: CARTOON ART J.B. 6634 SW 41 ST. DAVIE, FL 33314

If your computer is important to you, **INSURE IT!** **SAFWARE** provides full replacement of hardware, media and purchased software. As little as \$39 a year covers fire, theft, power surge, earthquake, water damage, auto accident and more. Call Monday—Saturday.

SAFWARE THE INSURANCE AGENCY INC 2929 N. High Street., PO Box 02211 Columbus, OH 43202 (800) 848-3469 Nationwide (614) 262-0559 Ohio

SMALL BUSINESS

Printed Forms 4 Your Home Business Send \$2 for Full Color Catalog VBF, 1683 Cora, Des Plaines, IL 60018

SOFTWARE

FUN EDUCATIONAL SOFTWARE Over 80 low-cost original programs. IBM, C64, TI99/4A. Free brochure. **KIDware** 1380 156th NE, #H-2, Bellevue, WA 98007

SAVE 38% on Software!!! Davidson's Math Blaster Retail \$49.95 our price \$30.97 Free price list. Specify Apple, IBM, C 64. **CREATIVE COMPUTER RESOURCES** Box 728, Grand Haven, MI 49417

FREE PROGRAMS!! TI99/Adam/all TRS80, Appl. IBMpc, C'dore, Timx. Send stamps! Ezra, Box 5222JU, San Diego, CA 92105

TI-99/4A Software/Best Selections **Free catalog** MICRO BIZ HAWAII P.O. Box 1108 Pearl City, HI 96782

\$3 GETS YOU COOKING Diskette cookbook series IBM-PC 25 cookbooks or create your own! Free catalog/demo disk \$3. Vanilla Software, 3345F Lakeshore Oakland, CA 94610 415-482-4756

TI. 99/4A OWNERS
1-800-USA-994A
Tech Help • Catalogs • Newsletters
IN FLORIDA 1-305-962-8846

ADAM! gHAUG News AND two full Best of Lib datapacks. \$12/YR! Send SASE Rt. 2 Box 2756, Pearland, TX. 77581

Affordable IBM Software 75c-\$1.50 JR OK'ed FREE catalog RUN, Box 2413, Woonsocket, RI 02895.

Great ADAM software. FREE catalog. The original Flippy DDPs 1/82.95 VERIBACK copy/convert program or FASTRUN load/save pgm fast \$14.95 Add \$2.50 S&H. Practical Programs, P.O. Box 244, Kalamazoo, MI 49005

FREE SOFTWARE

Since 1982 SDC has distributed quality Public Domain/Shareware software for the IBM PC for only a distribution charge. For free sample catalogue, write **SDC** Dept. FC87, 3707 Brangus, Georgetown TX 78628. **MONEY BACK GUARANTEE**

IBM PUBLIC DOMAIN SOFTWARE Send for free list. We have games/Dbases/Wrd Procs/Spprdhts/Graphics and lots more. Only \$3.00 per disk. JDXF, PO Box 1561, Corona, CA 91718

NEW + 4 AND C-128 SOFTWARE Games, educational, finance & stats. Write for info. **CARDINAL SOFTWARE** 14840 Build Amer. Dr., Woodbridge, Va 22191

5 1/4 DS/DD Diskettes made in the U.S.A. 37¢ each—minimum order 25 Disks Incl. sleeves, tabs & labels. Satisfaction guaranteed. 25 disks \$9.25. NYS residents add sales tax. Plus \$3.75 s/h. Check or MO to: E.C.S. 380 5th Ave., Suite 574 F. New York, NY 10018. 212-473-7192.

Computerized Record System Computerized Business Letters I COMPUTERIZED VEHICLE MAINTENANCE Hardcopy expandable IBM, CPM, 80 Comp Send for catalog of products on disk. \$2. Specify Computer **Input/Output SW Co.** PO Box 872548, Wasilla, AK 99687

PROGRAMS, IBM & compatible or APPLE at bargain prices less than \$4.00/disc. Send stamp for **FREE CATALOG**, PSCa, Box 1057-C, Capitola, CA 95010

ADAM & C-128 SOFTWARE SASE gets info, specify computer **ADAMagic**, 1634 N. Thompson DR. Bay Shore, NY 11706

APPLE PUBLIC DOMAIN SOFTWARE CAT. \$2.00 OR 3.00 CAT. & DEMO DISK **FREE DISK WHEN YOU PLACE ORDER.** **B & L CONSULTANTS & SALES**, BOX 461 WABASH, IN 46992 (219) 563-7650 VISA & M.C. IBM PUBLIC DOMAIN \$1.00 CAT.

FREE IBM & APPLE SOFTWARE Public Domain. Over 200 Disks! Games, Bus., Ed., Utly. Free Catalog. Blank disks 49¢ each. Send stamp/ name/address to: P.D. Club P.O. Box 6877, Hwd., FL 33081

FREE PUBLIC DOMAIN SOFTWARE FLYER! IBM & Compatibles - (MS-DOS) Save \$8 @ \$3.50 per disk! Write to: AP-JP Inc, Box 1155, W. Babylon, NY 11704



\$5 WIN \$5 with our **SPORTS Handicapping Software**
THOROUGHbred/HARNESS Handicapping \$29.95 enhanced \$49.95 **GREYHOUND** Handicapping \$29.95 enhanced \$49.95 **PRO FOOTBALL** Handicapping System \$39.95 Specify disk/tape Apple II/III/4 Atari, IBM PC, COM 64/128, TI, TRS-80 Mac 3/4, Mod 100/200, Color Add \$2 post/handl MC/VISA/CODs accepted. Free information **SOFTWARE EXCHANGE**, Box 5382F W Bloomfield, MI 48033. Orders 1-800-527-9467

FREE SOFTWARE

IBM, C-64, C-128 & CPM computers send SASE for info (list computer): **PUBLIC DOMAIN USERS GROUP** Box 1442-FA, Orange Park, FL 32067

INSTANT LETTERS with INSTA-LETTER. Not a word processor. This easy-to-use program contains over 35 skeleton letters such as request, thank you, complaint and more. You personalize it. For business or home. Uses APPLE II series with 80 col card & printer. Rush \$49.95 to WordWeavers P.O. Box 617, Dept 113, Kent, Wa 98032 Wa. res add 8.1% tax. 4-6 wks deliv **SATISFACTION GUARANTEED!**

TI-99/4A Software/Hardware bargains. Hard to find items. **Huge selection.** Fast service. Free catalog. **DYNENT** Box 690, Hicksville, NY 11801

IBM PC & JR SOFTWARE CLUB Paradise Computer Works, RD 1 Box 273A, Newark Valley, NY 13811

C 64 and IBM-PC SOFTWARE CHEAP!!! Send for your catalog of game, home management, business, utility and educational software available and you will also receive a disk utility program listing free along with details on how to make money at home with your personal computer. **PACEWARE, INC** Box 64-A Pompano Beach, FL 33074

CLASSIFIED

FREE APPLE SOFTWARE
Over 1000 Public Domain Programs on 50 diskettes. \$5 Each plus \$1 shipping per order. Send \$1 for catalog refundable with order.
C & H ENTERPRISES
Box 29243, Memphis, TN 38127

TANDY 1000. Programs/Newsletter
Send for Info. Soda Pop SW,
P.O. Box 653, Kenosha, WI 53141

Topnotch Software for IBM Pc/Ms-Dos/Pejr. Business, educational, games, and utility disks. Send for catalog to: Morning Star Industry, P.O. Box 3095, Ann Arbor, MI. 48106

DISCOUNT SOFTWARE for most computers
FREE CATALOG. Sale: 5.25" DSSD disks
25/\$13.95 pp. WMJ Data Systems-FC
4 Butterfly Dr., Hauppauge, NY 11788

COLECO ADAM SOFTWARE
Send SASE for our catalog.
REEDY SOFTWARE
10085 60th Street, Alto, MI 49302

14-disk IBM-PC Pub. Dom. Lib.\$49
Below: IBM-PC req CGB or TRS-80 3/4
Bio-Charts II (screen printer)\$25
Batter-Up - keep team stats\$35
Calculus Area (drill/practice)\$35
Geometry Proofs/Formulas\$35
Algebra II (pack of 4)\$35
Word Search Puzzle Producer\$25
Specify machine-Cat. 2 stamps Allrad
1001 Colfax St. Danville, IL 61832

ADAM & APPLE SPECIALS: 40 to 70% OFF
ADAM Calc. Modems, Zaxxon, 2001, LOGO
ADAM TIPS & TRICKS 20 prog DDP \$13
NEW! ADAM Multi-Skills Super Pk. \$20
Graphics Ex: 3D/comp generated art pk
.44 stamps for ADAM/Apple catalog.
NICKLEODEON GRAPHICS
5640 W. BROWN, GLENDALE, AZ 85302

C-64 FINEST PUBLIC DOMAIN PROGRAMS
On Disk MOST \$1.50 *On Disk*
YOU pick the programs that YOU want
For list & description SEND SASE to:
JLH, Dpt F Bx 67021, Topeka, KS 66667

Outstanding Educational Software!
FREE CAT C64/APPLE/IBM, RENAISSANCE
Software, Box 4882, Lancaster, CA 93539

ADAM SOFTWARE & HARDWARE
RIBBONS 1/85.00 3/814.50 6/825.00
BLANK DATA PACKS PRE-FORMATTED:
E & T BRAND 1/82.50 10/820 20/835
E & T FLIPPYDATA PACKS 1/83 10/825
LORAN BRAND 1/83.50 10/830 20/845
SOFTPACK 1 checkbook/mailling \$18.95
BUSINESS 1 mailing/inventory \$19.95
BACKUP 3.0 copy program. \$18.00
TURBOLOAD fast pgm. loader \$27.00
WIZARD PINBALL ARCADE \$19.95
MULTIWRITE 64 col. Word P. \$37.00
SIGNSHOP banners, signs, etc. \$22.00
64K MEMORY EXPANDER \$45.00
RAMDISK uses the 64 ext \$29.95
PRINTER INTERFACE w/ cable \$55.95
SHIPPING - \$2.50 U.S. \$4.50 CANADA
VISA/MC. 22¢ STAMP FOR CATALOG TO:
E & T SOFTWARE P.O. BOX 821242
DALLAS TX 75382-1242 (214) 940-8913

MENU SELLS SOFTWARE
Thousands of programs for all computers can be ordered through MENU, plus you'll earn 20% SoftCredit. Order your guide today:
APPLE II GUIDE (\$9.95), Spring
MAGGUIDE (\$4.95), **COMMODORE** or **IBM** (no charge). The purchase price of the guide is deducted from your first software order. Major credit cards. Call (800) THE-MENU or write to: MENU, 1520 S College Ave, Fort Collins, CO 80524

IBM PUBLIC DOMAIN SOFTWARE
\$3.00 per disk. Over 650 volumes. 24 hour delivery. Send \$3.00 for catalog/sample disk (refundable):
Island Software, 150 Hamakua Drive Suite 339, Kailua, Hawaii 96734

APPLE PUBLIC DOMAIN SOFTWARE
Send \$2 for sample disk & catalog. Refundable with order. Disks cost \$2.50
CALOKE IND. Box 18477, Raytown, MO 64133

Rent Domain/Commercial-\$2/5 Disk!
Software f/PC, Tandy, Sanyo, Amiga, KP
CSW (804) 853-3441, Bx 808, LAFB, Va 23665

STARFLEET 1 The space strategy hit for IBM PC is now on APPLE II, C64 and ATARI/ST **FREE CATALOG**
INTERSTEL, PO 57825, WEBSTER TX. 77598
CALL or WRITE TODAY (713) 333-3909

GAMES FOR IBM
Outstanding selection of arcade, adventure and educational games. Only \$4/disk. Send large SASE for catalog. PC Arcade, 276-F Morehouse Rd., Easton, CT 06612

EXPAND YOUR GRAPHICS LIBRARY!
Easily convert Print Shop graphics to Print Master graphics or Print Master Graphics to Print Shop graphics. \$19.95 + SBH 800-762-5645
Cardinal Software, 14840, Build America Dr., Woodbridge, VA 22191

SOFTWARE
Educational, games, sm. business
20% to 40% off retail
Top Apple, IBM programs
FREE shipping, specify computer
5th year of personalized service
FREE brochure. Soft Source-R
#D, 3451, Regan Rd. Joliet, IL 60435

CRIBBAGE - \$19.95 US
Fabulous graphic simulation of this classic card game for IBM-PC/PCjr or compatibles. Requires DOS 2, CGA graphics, 128K. Add \$2 s/h
STOCKING STUFFER GAMES
#307, 2150 W. Broadway
Vancouver, BC V6K 4L9 604-732-4323

7 IBM-PC DEMO programs on DS disk w/catalog \$3. *heapware 4038 N. 9th St., St., Louis, MO 63147-3441

TI-99/4A - Generate credits for home videos. Send SASE for info.
Newcastle, 13424 N. 33rd Pl.
Phoenix, AZ 85032

!!!!!! HELP !!!!!
Expand your child's knowledge with educational software from experts!
1500 titles from Grolier, Davidson, Scholastic, etc. Comprehensive catalog: Apple, Com, IBM. We're Specialist!
\$3.00 Visions-Educational Software
P.O. Box 834, Southfield, MI 48037

MERRIAM-WEBSTER CONTESTS
AUTO BINGO for C64/128. All Play-Offs and Tiebreakers. #10 SASE to A-B, 5668 Chagrin, Mentor, OH 44060

ATARI 800/XL/XE unique home/business/personal applications, artificial intelligence, entertainment software from \$8.95! FREE 20-page CATALOG! Send 2 stamps: 25th Century, Box 8042-F, Long Island, NY 11802

RENT SOFTWARE FOR C64 & ST
Lowest prices. No membership fee. 100's of brand name programs.
Specify C64/128 or Atari ST.
Send \$1.00 for catalog to:
Centsible Software
P.O. Box 930
St. Joseph, MI 49085
(616) 982-0327

CREATE BANNERS! Basic listing \$3. Larry Cluff, 27712 SW Grahams Fy., Sherwood, OR 97140. Inquires SASE.

US \$8.-Including disk: Thousands of famous business, education, games programs for Apple II/IIe/IIc and IBM/PC details US \$1.- To Reliant P.O. Box 33610, Sheungwan, Hongkong.

NO FRILLS SOFTWARE FOR IBM PCs
ROADMASTER - car diagnostic \$8.95
Ansrs to 100 car problems Req: DOS 2.
NOAHS ARK - fun arcade game \$7.95
clean fun Req: DOS 2 + Color graphics
3R Co, 39 Bowman La, Kings Pk NY 11754

Plus
LOTTO PICKER
BE A LOTTO MILLIONAIRE!
New Lotto Picker Plus stores winning Lotto & Pick 3/4 numbers & uses probability outputs in order to give you the winning edge! All U.S. & Can. games included. Never Obsolete! \$34.95 + 4.55 s/h. **ORDER NOW! 1-800-341-1950**
#77 Save s/h, order by mail: **RIDGE, 170 B'way, #201F, NYC 10038** Info Dealers 718-317-1961. IBM, C64/128 versions

FREE TANDY/IBM SOFTWARE public domain, B&J Enterprises Software, PO Box 485, Daleville, AL 36322

FREE for Apple II's, Tandy 1000, IBM-PC & XT and compatibles. Price list & description of Educational & Recreational Software. \$7 to \$19.95 This is not Public Domain Software. Dealer/School inquires welcomed. Call 817 277-2911 or write to Blocher's Custom Software, 2201 Summer Place Drive, Arlington, TX 76014

win \$\$\$ LOTTO DISK \$\$\$ win Lotto-pick-4 pick-3 numbers. Send \$19.95. PO Box 25466, Balto, MD 21217
IBM Compat. Lotsa winners 301-563-1523

LOTTERY-DAILY # ANALYZER!
Best # picking assistant available If not 100% sat. you get 5 JVC disks **FREE. . . NO QUESTIONS ASKED**
TI99/IBM + comps. copvable \$24.95
SUNBURST SOFTWARE LTD.
PO Box 75, Brookhaven, NY 11719

12 Apple Math Programs for grades 1-7. Kids love them! \$12 To: K Swenson 385 Jayne Ave. #103, Oakland, CA 94610

CODE PAL - \$29.95
Learn & practice radio code.
Hobbist-Education-Family Fun
IBM XT, AT & 100% Compatibles
Ck or M.O. To: **GAM ENTERPRISES**
541 W. Penn St., Butler, PA 16001

BEAT THE STOCK MARKET
Software reveals **BUY & SELL SIGNALS** for your stock or index. Specify Commodore 64 or Vic 20. Requires superexpander. Send \$49 MO To: **WALLSTREET GRAPHICS** 824 Milwaukee St., Delafield, WI 53018. Allow 6-8 weeks.

FASTEXT 80 OWNERS
USAGE ENHANCEMENT SOFTWARE FOR: C128, + 4, TI 99/4A, SANYO, IBM COMPAT.
Mckechnie, POB 2784, FAIRFAX, VA 22031

MATH MADE EASY
IBM PC & Comp. For 1-7 grade. Easy online instr. Complete user manual. ARITH: Add, Subtract, Multiply & Divide FRACTIONS: Simplify, Compare; and Add, Subtract, Multiply & Divide. One-time offer: All 4 for \$50; 2 for \$27; 1 for \$15 (No P&H in US)
SOFTWARE CONSULTANTS INC.
P.O. 4370, Denver, CO 80204 USA

BONANZA For your C-64 Only \$19.50
Recieve: Monopoly, Concentration, Backgammon, Mastermind, Yahtzee, and Othello. For 1 low price.
Send check to: **PANTHER SOFTWARE**
2230-1 Sesame, Memphis, TN 38134

POCKET Multiple Regression on any **SHARP W/CE126P**. Corr-t-DW-more \$12
S Shaffer, 111 Hicks, Bkln, NY 11201

TELECOMPUTING

Unlimited VOICE/DATA Long-Distance ONLY \$100 A MONTH!!! Details \$1
Terrell Wholesale Systems
P.O. Box 1709, Corbin, KY 40701

USERS' GROUPS

AMIGA USERS' GROUP
Send \$18 for Charter membership.
Box 3761, Cherry Hill, NJ 08034
(609)667-2526*VISA/MASTER-ADDS1

The PCjr
SURVIVAL KIT
Subscribe to *The Junior Report*,
the IBM PCjr survival manual.

PCjr LOVERS!!!
THE JUNIOR REPORT:
The National Newsletter for you!
24 pages of articles, reviews, Q & A & much, much more. Acclaimed by: PC WORLD Sept. 86, COMPUTE! Mar 87 & USA TODAY Nov 6th, '86. Just \$18/yr/12 issues. Canada \$24 (US)
The PCjr Club, Dept. F, POB 59067
Schaumburg, IL 60159-0067

EVERY COMMODORE 64 FAMILY
should belong to this club.
For free info, send SASE to:
DISK-A-MONTH CLUB
Box 1919, Ocean Springs, MS 39564.

#1 ADAM USERS' GROUP
Receive "SPRITE CHASER" newsletter. Advanced updating, evaluations on programs, hardware, technical information direct from Coleco. Problem-solving-program exchange-discount buying service-etc. Send \$15 for charter membership to:
#1 ADAM USERS' GROUP
Box 3761-Attn: Jay Forman
Cherry Hill, NJ 08034
(609)667-2526*VISA/MASTER-ADDS1

ONE THOUSAND MAGAZINE
"Especially For Your Tandy 1000!" monthly support for your Tandy 1000 personal computer is here! Beginner's Luck, MS-DOS, Basic Listings, Editorials & reviews are just SOME of the topics covered on a monthly basis in One Thousand Magazine! We also have a software library available to all subscribers!

Available on newstands everywhere!
Send to:
One Thousand Magazine
2153 Muren Boulevard, Suite A
Belleville, IL 62221-4136
(618) 277-3526

Correspond with a user of your system type. Exchange software, ideas, & info. For your Compu-pal send \$1 & sase to Com-connect 407 Maple Ln. Mansfield, OH 44906. Specify system

VIDEO GAMES

CARTRIDGES FOR VIDEO GAME-PLAYING MACHINES! ALL SYSTEMS! WE BUY/SELL RETAIL + WHOLESALE COMPUTER SOFTWARE TOO! FREE PRICE LIST! PLEASANT VALLEY VIDEO, DEPT. F, 8141 PL. VLY. RD., CAMDEN, OH 45311. 513-787-4707 (VOICE), 513-787-3777-(MEX, BBS)

FREE List: We sell ATARI 2600, 5200 & Coleco and Intv cartridges.
VILLA VIDEO, Box 17131, Milw, WI 53217
Modems: our BBS (414) 265-5149, 24 Hrs