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20 MEGABYTE HARD DRIVE.....\$798
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COLOR SYSTEM.....\$648
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LEADING EDGE



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SAME PACKAGE AVAILABLE WITH:
DUAL DRIVE.....\$548
COLOR SYSTEM.....\$648
20 MEGABYTE HARD DRIVE.....\$748



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SAME PACKAGE AVAILABLE WITH:
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40 MEGABYTE/VGA COLOR SYSTEM \$1198



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PACKAGE INCLUDES: Equity II+ CPU & Keyboard • 12" Computer Monitor • 10 Diskettes • Word Processor • Spread Sheet • Data Base **\$798**

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30 MEGABYTE HARD DRIVE.....\$1048
40 MEGABYTE HARD DRIVE.....\$1098



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SAME PACKAGE AVAILABLE WITH:
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40 MEGABYTE/VGA COLOR SYSTEM \$2388



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40 MEGABYTE HARD DRIVE.....\$1598
40 MEGABYTE/VGA COLOR SYSTEM...\$1898



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PACKAGE INCLUDES: 386 Processor • 20 Megahertz • 5 1/4" Floppy Drive • 12" Computer Monitor • Software Bundle • 10 Diskettes • 2MB Ram **\$2288**

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40 MEGABYTE HARD DRIVE.....\$2488
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ORIGINAL IBM 25 PC. PACKAGE

PACKAGE INCLUDES: IBM AT CPU & Keyboard • 12" Computer Monitor • 10 Diskettes • Word Processor • Spread Sheet • Data Base **\$998**

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40 MEGABYTE HARD DRIVE.....\$1298
60 MEGABYTE HARD DRIVE.....\$1498



ORIGINAL IBM XT 25 PC. PACKAGE

PACKAGE INCLUDES: IBM XT CPU & Keyboard • 12" Computer Monitor • 10 Diskettes • Word Processor • Spread Sheet • Data Base **\$698**

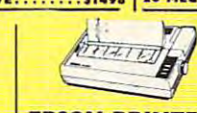
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Controllers available from Western Digital to DTC. Call for pricing.

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All tape back-up systems include controller, software and data cartridge

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Kodak

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- 24 pin print head
- 192 cps (draft)
- letter quality text at 63 cps
- push/pull tractor, 5 resident print fonts, parallel centronics interface and a standard 6K buffer
- 2-year warranty



NX-1000 Series II



\$159.95

- 180cps draft
- 45 cps NLQ
- 4 resident fonts
- 216 X 240 dpi resolution and print pitches from 3 to 20 dpi



Laser Printer



- 512K memory comes standard
- 11 pages per minute print speed
- Panasonic's 1-year warranty

KX-P4450
\$1299.95



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\$119.95 *Modem Speed 2400 BPS *Fax Speed 4800 BPS

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\$819⁹⁵

Starter System
Includes MS-DOS/GW Basic 4.01

Drive Options	MONO	VGA mono	EGA	VGA color
40MB Seagate	\$1399	\$1549	\$1669	\$1779
60MB Seagate	\$1459	\$1599	\$1719	\$1829
84MB Seagate	\$1499	\$1639	\$1759	\$1869

EMERSON 8386EC386SX/16MHz

"Emerson stays above the competition with superior features, complete compatibility with industry standards, and full expandability. Emerson is the right choice for top of the line computing capabilities."

Standard Features Include

- A powerful 80386SX* processor operating at 16MHz
- 1MB of memory expandable to 8MB on the motherboard
- Connector for IDE hard disk drive
- Voice and Music synthesizer
- MS-DOS 3.3 and Turbo Pascal 5.0
- Software Package contains: Emerson menu program, calendar, calculator, utility & file mgmt. Pro Write word processing, Quattro spreadsheet REFLEX 2.0 Database by Borland

\$1049⁹⁵

Starter System

Headstart III

"Vendex believes that many novice and experienced users would rather start with a fully featured, component rich system."

- 80286 Microprocessor
- 8 or 12 MHz (switchable)
- Socket for 80287 co-processor
- Award/Headstart custom BIOS
- 1.2MB 5.25" floppy disk
- 110/220 switchable power supply

Standard Features Include

- 6 Expansion slots (8/16 bit)
- 256K Video RAM
- 101 Key enhanced keyboard
- Parallel, serial, game port and bus mouse port
- VGA monitor with VGA color adapter
- 32 1MB Hard drive
- 1.44 3.5" floppy drive
- 3 button Mouse (by Logitech) with drivers and utilities
- 1MB RAM
- MS-DOS/GW BASIC v.3.3
- 18 month on sight warranty

- Headstart Advanced Operating Environment
- Floppy Driver
- Framework II by Ashton-Tate
- Perspective Three-D Graphics
- Twist & Shout
- Publish-it
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- Above Disk
- Computer Ease
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286/12MHz

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Standard Features Include

- 80386 Processor running at 33MHz
- 4MB RAM
- 64K Cache
- 16 Bit Super VGA W/512K
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\$3199⁹⁵

Starter System

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"Pick up on the T1000 and you'll go far. Give yourself desktop PC power wherever you need it at a mere 6.4 pounds!"

Standard Features Include

- 80088 Processor 4.77 MHz
- 512K RAM
- 3.5" 720K Disk Drive
- Real time clock/calendar
- Toshiba Super-Tandem LCD display (80x25)
- Parallel, serial and external 5.25 drive ports
- AC adapter/battery charger

EXTRA FEATURES FREE

- MS-DOS 2.11 in ROM
- AC adapter/battery charger

\$639⁹⁵



TOSHIBA LAPTOPS

T1000	\$639.95
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"For the traveling and field professionals whose work requires a truly functional notebook-sized PC."

Standard Features Include

- 80086 Processor 9.54 MHz
- 1 MB RAM
- 1.44MB floppy disk
- Weights only 5.9 lbs.
- removable rechargeable battery pack
- Backlit Super-twist LCD
- Real time clock/calendar
- Integrated numeric keypad
- 1 parallel and 1 serial port
- RGB/Composite monitor ports

EXTRA FEATURES FREE

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- Universal AC power adapter
- 1 year warranty (no cost)

T1000SE 1159⁹⁵



MITSUBISHI 286/8&12 MHz

"At last, a laptop machine that doesn't compromise on readability, speed, power or expandability."

Standard Features Include

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- 640K RAM
- 11" Paper white display with backlighting
- CGA/Herules adapter
- 1.44 MB/720K floppy drive
- Real time clock/calendar
- 1 Parallel, 2 serial ports
- 4 expansion card slots
- Internal speaker

EXTRA FEATURES FREE

- MS-DOS/GW Basic
- MP 286L diagnostics routines
- 20 MB hard drive
- Key pad, external drive ports

MP 286L \$1899⁹⁵

MITSUBISHI LAPTOPS

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Laser Turbo II 8088/10 MHz

"Everything you expect from a 8088 CPU plus powerful features."

Standard Features Include

- 8088-1 Microprocessor (4.77/10)
- 150 watt power supply
- 4 drive bays/exposed keyboard
- 1 360K 5.25" floppy drive
- 8 expansion slots
- Parallel, serial, game ports

EXTRA FEATURES FREE

- CGA/MDA, Composite video adapter \$99 VALUE
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- One-Year warrants (parts and labor) INCLUDED

\$389⁹⁵

Starter System

Drive Options	MONO	CGA	EGA	VGA
1 Floppy 3.5	\$459	\$599	\$779	\$889
*Dual Floppy	\$539	\$679	\$849	\$969
40MB Seagate	\$759	\$889	\$1069	\$1179

*Second drive Toshiba 3.5" or 5.25" floppy drive

Laser 286/2 286/12MHz

"Here's proof that power does not have to be expensive, nor do you have to sacrifice brand name quality for 'generic' prices."

Standard Features Include

- 80286 Microprocessor (6/12 MHz)
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- 3 drive bays (2 exposed)
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- 102 key enhanced keyboard
- 1 parallel and 2 serial ports
- Clock/calendar
- W/battery

EXTRA FEATURES FREE

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- One-Year warranty (parts and labor) INCLUDED

\$599⁹⁵

Starter System

Drive Options	MONO	EGA	VGA
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40MB Seagate	\$1149	\$1399	\$1529
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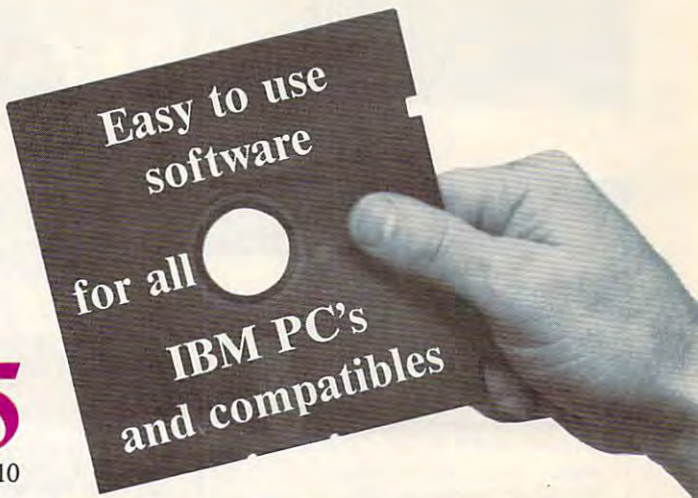
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- PC-Write 3.03** (1851-1853) The BEST word processor for under \$200! Has spell checking and hundreds of other features (3 disks) **512K**
- WP 5.0 Macros** (1857) Several macros for Word Perfect 5.0. (If you have WP 4.2, select disk #1856.)
- WP 5.0 Learning Sys.** (1863,1864) Helps you learn and master Word Perfect 5.0. (If you have WP 4.2, select disks #1861 & #1862.) (2 disks)
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- Bible-Q** (1551) Test your Biblical IQ!
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- Edna's Cookbook** (1118,1119) An easy to use computerized cookbook. Comes with several great recipes—add your own favorites. (2 disks)
- Brother's Keeper** (1120,1121) A great genealogy program that allows you to trace your family history (2 disks).

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- French I & II** (1200,1201) Learn and practice French vocabulary (2 disks).
- Spanish I & II** (1205,1206) Test and train with these excellent Spanish vocabulary drills (2 disks).
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- Funnels & Buckets** (1219) A fun math learning game that kids love to play!
- World** (1221) A computer encyclopedia of global information. **CGA**
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- MasterKeys** (1400) Like Norton Utilities (recover deleted files, disk editing, change file attributes, etc.).
- SimCGA** (1404) Allows monochrome PCs to run many CGA programs.
- PC-DeskTeam** (1406) Several useful desktop accessories (clock, calendar, calculator, notepad, etc.).
- Automenu** (1409) A very professional hard disk menu system. Run any of your programs from a custom menu.
- SideWriter** (1410) Prints your spreadsheet print files sideways.
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- NewKey** (1416) Save time and increase efficiency by using this (the BEST) keyboard macro program

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- Express Graph** (1106) Turns raw data into great business graphics.
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- Charts Unlimited** (1531) A design tool for creating any kind of chart. **CGA**
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MISC. APPLICATIONS

- Bowling League Secretary** (1308) Manages your league and keeps stats.
- Personal Biorhythm** (1310) Will display or print a personal chart
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- Make My Day** (1627) Puts you in control by organizing your time!
- Piano Man** (1901) Compose and edit music or play the keyboard.

GAMES

- AdventureWare** (1934) Five excellent adventure games.
- Armchair Quarterback** (1905) A fun football strategy game.
- Baseball** (1916) Great arcade action and baseball strategy. **CGA**
- Bridge Pal** (1911) Play bridge anytime!
- Crime Lab** (1955) Play this exciting graphic murder mystery game. **CGA**
- 18-Hole Miniature Golf** (1915) Kids really love this one! **CGA**
- Flightmare** (1923) Futuristic fighter pilot arcade game. **CGA**
- Ford Simulator** (1956) A great driving simulation game from Ford. **CGA**
- Kid Games** (1938) These games are both fun and educational. **CGA**
- Kingdom of Kroz** (1952) An excellent, award-winning adventure game.
- Las Vegas Style Craps** (1914) Play and improve your skill. **CGA**
- McMurphy's Mansion** (1966) Search a spooky Scottish castle for treasure.
- Miramar Flight Simulator** (1967) You command a fully armed F-18. **CGA**
- PAC-Man & More!** (1930) PAC-Man and Ms. PAC-Man clones. **CGA**
- PC-Gammon** (1907) Play a tough computer opponent, anytime. **CGA**
- PC-Pro Golf II** (1975) Choose your club and swing away at one of the world's most beautiful country clubs (Amherst). Excellent graphics! **CGA**
- Pinball** (1941) Great sound and fast play on 5 different "machines." **CGA**
- Q-Bert** (1906) Play the classic arcade favorite on your computer. **CGA**

GAMES CONT.

- Scrabble** (1957) Test your word power with this always fun game. **CGA**
- Sleuth** (1903) Play detective in this "Who done it?" adventure.
- Sports Games** (1927) Bowling, archery, and pool. **CGA**
- Star Trek** (1948) Two versions for all you TREKies out there.
- Strategic Games** (1926) Fight on land and sea in this war simulation.
- Striker** (1904) Helicopter attack and rescue arcade game. **CGA**
- Trivial by PAS** (1953) Test your knowledge in several categories.
- Tune Trivia** (1968) A very fun version of "Name That Tune."
- Video Poker/Ultima 21** (1945) The BEST poker and blackjack games!
- Wheel of Misfortune** (1935) Like TV's Wheel of Fortune game.

IMPORTANT

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512K=Requires 512K RAM

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NEW PRODUCTS

M I C K E Y M c L E A N

The Organizer

E G Publishing's *Clear-View Menu* for IBM PCs and compatibles is a menu utility designed to help you organize your hard disk and quickly access software programs and data.

Clear-View Menu features a built-in scheduler, a calculator, DOS commands, a phone book, a notepad, and an editor. As a non-memory-resident program, it doesn't use valuable memory that other programs might need.

The suggested retail price for *Clear-View Menu* is \$39.95.

E G Publishing, 5B Gwynns Mill Ct., Owings Mills, MD 21117

Reader Service Number 200.

Get Clipped

Up>Town Computer Supplies has released La'Clipp, a clip that attaches to your monitor and conveniently holds papers at eye level while you work at your computer. The spring-loaded clip is reversible for left- or right-handed uses and holds up to 25 sheets of 8½ × 11 inch paper. La'Clipp has a suggested retail price of \$5.95.



La'Clipp holds paper conveniently at eye level on either side of your monitor.

Up>Town Computer Supplies, 235 Westcott Dr., P.O. Box 352, Rahway, NJ 07065-0352

Reader Service Number 201.

Box-Office Hits

Box Office Software, a division of Key punch, presents three titles based on three distinctive American characters.

In *Buffalo Bill's Rodeo Games*, you get to prove that you could have held your own in the Wild West. Test your shooting ability, wrestle steers, and become a real live Western hero by rescuing a stagecoach. Available for the IBM PC and compatibles, the Commodore 64, the Atari ST, and the Amiga, the game has a suggested retail price of \$29.99.

The mistress of the night, television's horror queen, Elvira, would like to invite you to take part in *A Personal Nightmare*. Hundreds of animation sequences are designed to terrify you beyond your wildest dreams. The game retails for \$29.99 and is available for IBM PC and compatible, Atari ST, and Amiga computers.

Pop star becomes crime fighter in *Michael Jackson's Moonwalker*. Make smooth dance moves as you outmaneuver and fight the henchmen of Mr. Big, who has kidnapped the children of the world. Available for the IBM PC and compatibles, Commodore 64, Atari ST, and Amiga, *Moonwalker* has a suggested retail price of \$34.99. *Box Office Software, 1221 Pioneer Bldg., St. Paul, MN 55101*

Reader Service Number 202.

Cleanware

From Discwasher, maker of the Discwasher record cleaning system, comes a line of personal computer maintenance products, including the CleanPath Computer-Controlled Maintenance Kit.

CleanPath's software reminds you when it's time to clean your computer. The software program, installed in the computer's operating system, tracks the computer clock. When it's time to clean, a series of screens pop up to guide you through the cleaning procedures. The components in the kit are designed to work in conjunction with the software.

In addition to the maintenance software, each kit contains an instruction manual; CleanView solution and CleanWipe sheets for your monitor screen; CleanKey solution and key-

board swabs for your keyboard; PerfectPrint solution, PerfectPrint platen handles, and a sheet of PerfectPrint head-cleaning material for your dot-matrix or impact printer; and DisClean cleaning disks and DisClean solution for your disk drives.

The CleanPath kit carries a suggested retail price of \$55.95.

Discwasher, 4310 Transworld Rd., Schiller Park, IL 60176

Reader Service Number 203.

Hand-Held Translator

Franklin Computer's Translation Master is a hand-held electronic Spanish/English dictionary and grammar tutor. This new tool provides definitions, phonetic spelling correction, grammatical guidelines, and word games. The dictionary contains over 250,000 words taken from the *Collins Spanish Dictionary*.



Franklin's Spanish and English Translation Master provides definitions as well as assistance with spelling and grammar.

With the built-in phonetic-spelling-correction feature, you just type in a word the way it sounds, and the Translation Master will identify and display the correct spelling. In addition to definitions, the unit offers the parts of speech, gender, synonyms, idiomatic phrases, and usage notes for all of the words in the dictionary. Complete grammatical information is also available for every word located in the dictionary, including the conjugation of verbs. The tutorial word games have adjustable levels of skill.

Other features include a built-in menu and help screens that are elec-

tronically keyed to offer assistance at your point of reference in the dictionary. Translation Master has a suggested retail price of \$299.95.

Franklin Computer, 122 Burrs Rd., Mt. Holly, NJ 08060

Reader Service Number 204.

New Titles from Taito

Taito has unveiled several titles for the IBM PC and compatibles, the Commodore 64, and the Amiga.

Operation Thunderbolt, the sequel to *Operation Wolf*, sends Roy Adams, commando of *Operation Wolf*, to infiltrate a hostile African country and free 23 hostages. The game features three-dimensional forward-scrolling graphics and a simultaneous two-player option. Currently available for the Commodore 64 at a suggested retail price of \$29.95 and the Amiga for \$34.95, the game is set for release this June for IBM PCs and compatibles and will also sell for \$34.95.

In *New Zealand Story*, Tiki the kiwi pursues an agitated seal who has kidnapped Tiki's kiwi friends from the zoo. You must help Tiki avoid arrows and other obstacles as you assist him in his mission by making him leap, climb, fly, and swim his way to save the day. The Commodore 64 version sells for \$29.95 while the Amiga release retails for \$34.95. The PC version should be available in the fall and will also carry a suggested retail price of \$34.95.

Other titles coming soon include *Puzznic*, *Where Time Stood Still*, and *Chase H.Q.*

Taito, 267 W. Esplanade, North Vancouver, B.C., Canada V7M 1A5

Reader Service Number 205.

Russian Front

Second Front: Germany Turns East is Strategic Simulations' strategy game based on Hitler's invasion of Russia.

Designed for the advanced war gamer, *Second Front* is set in 1941 and covers the war from Berlin in the west to Stalingrad in the east, including the entire Russian front. You command over 150 German divisions and over 200 Soviet units, with asset information available down to the individual tank, plane, and infantry squad level.

You can direct a variety of air operations such as interdiction, airlifts, and strategic bombings. Pop-up menus help you exercise control over your production facilities and call up vital information about your enemy.

Second Front is available for IBM

PCs and compatibles and has a suggested retail price of \$59.95.

Strategic Simulations, 675 Almanor Ave., Sunnyvale, CA 94086-2901

Reader Service Number 206.

2-4-U

UBI Soft Entertainment Software has added two titles to its growing line of products.

Pro Tennis Tour—The Ultimate Tennis Simulation features the four major Grand Slam tournaments: the Australian Open, the French Open, Wimbledon, and the U.S. Open. Before stepping onto center court, you can practice against the computer or another player. Six different practice programs feature three levels of difficulty on grass, clay, or cement courts. An instant-replay option allows you to view that great shot again. *Pro Tennis Tour* is available for the IBM PC and compatibles, the Amiga, and the Atari ST for a suggested retail price of \$39.95. A version for the Commodore 64 sells for \$29.95.

In *Iron Lord*, you go back to medieval times, where you'll encounter a number of legendary characters. Prove your birthright through strategy and strength, and as you travel to towns throughout the countryside, build a following that will go to war for you. To win over the townsfolk, impress them with your archery, arm-wrestling, swordplay, and dice-throwing skills. Available for IBM PCs and compatibles, the Atari ST, and the Commodore 64, *Iron Lord* has a suggested retail price of \$39.95.

All UBI Soft products are distributed by Electronic Arts.

UBI Soft, Electronic Arts, 1820 Gateway Dr., San Mateo, CA 94404

Reader Service Number 207.

It's a Crime

Access Software's animated arcade game *Crime Wave* uses televisionlike images to convey its plot. Additionally, the game employs Access's Real-Sound technology, which produces enhanced PC sound without any extra hardware.

Set in 1995, the game begins with a powerful crime syndicate kidnapping the daughter of the president of the United States. As the game's hero, your job is to rescue the president's daughter and destroy this criminal organization before it ruins America.

Crime Wave features 11 different arcade sequences in which you do battle with the mobster's henchmen. After you have successfully avoided a series of evil machinery and droids,

you must battle the head of the syndicate himself, King Pin.

Available for the IBM PC and compatibles, *Crime Wave* supports VGA graphics and has a suggested retail price of \$59.95.

Access Software, 545 W. 500 S, Suite 130, Bountiful, UT 84010

Reader Service Number 208.

Calculating Accessory

With the Curtis Keyboard Calculator from Curtis Manufacturing, you can perform mathematical calculations without interrupting programs running on your computer.



The Curtis Keyboard Calculator conveniently fits on most computer keyboards.

This multifunction, solar-powered calculator features an eight-character LCD display with a floating decimal point. The compact $6 \times 1\frac{1}{4} \times \frac{1}{8}$ inch unit has self-adhesive mounting strips on the back and fits unobtrusively on most computer keyboards.

The Curtis Keyboard Calculator has a suggested retail price of \$9.95 and comes with a one-year warranty. *Curtis Manufacturing, 30 Fitzgerald Dr., Jaffrey, NH 03452*

Reader Service Number 209.

Computer Economics

Mindscape's *Guns & Butter* is a military conquest simulation with an economic twist. In this game designed by Chris Crawford, you rule a small country and want to take over the entire continent. To accomplish this, you need weapons as well as manpower. You also must undertake some economic planning and determine the best way to allocate resources between military production (guns) and the manufacturing of domestic goods (butter).

Guns & Butter features the same artificial-intelligence routines found in Crawford's *Balance of Power* and *Balance of Power: The 1990 Edition*. There are thousands of computer-controlled variables and more than a

billion randomly generated continents, changing the look of the game each time you play. Other features include three levels of difficulty and mouse support.

Available for IBM PCs and compatibles and the Macintosh, *Guns & Butter* has a suggested retail price of \$49.95.

Mindscape, 3444 Dundee Rd., Northbrook, IL 60062

Reader Service Number 210.

Tandy 1000 SL Upgrade

Radio Shack has introduced the Tandy 1000 SL/2 personal computer, an upgraded version of the Tandy 1000 SL. Improvements to the 8086-based computer include 512K of internal memory and a 3½-inch floppy disk drive. MS-DOS version 3.3 and Tandy's *DeskMate* have also been built into the computer's ROM.

The 1000 SL/2 can also record, store, and play back high-fidelity speech and sound through its internal digital-to-analog and analog-to-digital converter circuitry. Other features include support for a second 3½- or 5¼-inch floppy drive; on-board video support for monochrome text, Hercules monochrome graphics, and Tandy-enhanced CGA graphics with 640 × 200 resolution and 16 colors; five PC-compatible expansion slots; a 101-key enhanced keyboard; a parallel printer port; an RS-232 serial port; two joystick ports; a stereo headphone jack with volume control; and *DeskMate* 3.03.01 software.

The suggested retail price of the Tandy 1000 SL/2 is \$999.00. For a limited time, Tandy is offering the 1000 SL/2 bundled with a CM-5 color monitor and a DeskMate Software Bonus Pack for a special introductory price of \$1,098.95. The Bonus Pack includes *Quicken* by Intuit, *Instant Pages* by Electronic Arts, and *Right-Writer* by RightSoft, all *DeskMate*-compatible.

Radio Shack, Tandy, 1700 One Tandy Ctr., Fort Worth, TX 76102

Reader Service Number 211.

Expanded TV Coverage

On the heels of the successful *TV Sports: Football*, Cinemaware plans to release *TV Sports: Basketball* and *TV Sports: Baseball*.

TV Sports: Basketball features full-court five-on-five action, a 28-team league, a 24-game schedule, and postseason playoffs. You can choose the starting lineup from each team's roster of 12 players. Each player's style and characteristics can also be

edited and modified to suit your tastes.

As coach, you control the offensive and defensive strategies and make substitutions when your players begin to tire. You also control the action on the court, including passing and shooting. Two to four players can compete simultaneously, or you can play head-to-head with the computer.

Available soon for the Amiga, Atari ST, and IBM PCs and compatibles, *TV Sports: Basketball* has a suggested retail price of \$49.95.

TV Sports: Baseball includes a 26-team league with variable-length seasons, different levels of difficulty, instant replay, and an All-Star game. In addition to your ability, unpredictable weather can influence the play on the field. The game also tracks individual and team statistics and features a practice mode. *TV Sports: Baseball* has a suggested retail price of \$49.95 and will be available for the Amiga as well as IBM PCs and compatibles.

Cinemaware, 4165 Thousand Oaks Blvd., Westlake Village, CA 91362

Reader Service Number 212.

River Combat

Accolade's *Gunboat: River Combat Simulation* puts you in command of a high-speed Patrol Boat Riverine (PBR) as you try your hand at more than 20 realistic missions along jungle rivers.



Dangerous jungle river battles and high-speed excitement await you in *Gunboat*.

The PBR was introduced during the Vietnam War and is still in active use. It can travel at 35 knots in 18 inches of water and can turn 180 degrees almost instantly. After boarding the craft, you must select its payload and then execute either a day or a night mission. Your assignments include rescuing POWs in Vietnam, busting cocaine runners in Colombia, and apprehending insurgents in the rivers and bays of the Panama Canal zone. While carrying out your duties, you'll be under constant attack from the enemy in the air, on the water, or from either side of the riverbank.

A training mode offers you the opportunity to learn about the craft and its weapons. When you're ready for a mission, you can select one of four positions on the boat. An overhead map screen helps you plan strategy and plot a course.

Gunboat is available for IBM PCs and compatibles and has a suggested retail price of \$49.95.

Accolade, 550 S. Winchester Blvd., Suite 200, San Jose, CA 95128

Reader Service Number 213.

The Pursuit of Trivia

Parker Brothers, a leading developer of games and toys, makes its entrance into the PC software market with *Trivial Pursuit: The Computer Game*.

Composed of questions from the board game editions of *Trivial Pursuit*, the game includes trivia about the 1980s. As in the board game, you must correctly answer trivia questions as you play against other human opponents, but in the computer version, you can compete against any of six animated characters, each with different ability levels and areas of expertise.

Onscreen graphics include a game board, moving game pieces, and characters that smile and frown, depending on the correctness of their answers. The game supports both EGA and CGA graphics.

Trivial Pursuit: The Computer Game has a suggested retail price of \$39.95.

Parker Brothers, 50 Dunham Rd., Beverly, MA 01915

Reader Service Number 214.

Knights of the Desktop

Sierra has brought to the computer screen a story known to many. *Conquests of Camelot*, a three-dimensional animated adventure game, takes you back to the days of the Knights of the Round Table and their search for the Holy Grail.

Holding true to the Celtic legend, the game features all of the familiar characters including King Arthur, Gwenhyver, Sir Launcelot, and Merlin. In simulated combat, you wield Excaliber, the sword of Kings, and joust from horseback as you journey to find the lost Grail.

Currently available for the IBM PC and compatibles, *Conquests of Camelot* has a suggested retail price of \$59.95. The game will soon be available for the Macintosh, Amiga, and Atari ST.

Sierra, P.O. Box 485, Coarsegold, CA 93614

Reader Service Number 215. ▶

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Software Discounters Of America
Circle Reader Service Number 188

Budayeen Vice

In *Circuit's Edge*, from Infocom, you assume the role of Marid Audran, a private investigator trying to make a living in a ghetto called the Budayeen. It is the year 2202 and modules are available that can transform you into someone else. You can also obtain chips that give you temporary knowledge of any subject. With this technology, you can use the skills of a burglar, spy, thief, or kung fu master to survive in the ghetto.

The characters and environment in *Circuit's Edge* are taken from *When Gravity Fails* and *A Fire in the Sun*, two science-fiction novels by George Alec Effinger. The game begins when a mysterious notebook is stolen from the Budayeen's crime lord. You are ordered to recover the notebook. During your investigation, you must visit sleazy night clubs, tattoo parlors, pawn shops, and hotels and interrogate the hustlers, hookers, thieves, and dealers who inhabit them. In this simulated world, other characters can act on their own, both on and off the screen, which can change the story.

The world of Budayeen is displayed three-dimensionally on the screen, and you can navigate the streets with keyboard controls or with a mouse. Menu selections allow you to collect and manipulate objects, interact with other characters, and set game options.

Available for IBM PCs and compatibles, *Circuit's Edge* has a suggested retail price of \$44.95.

Infocom, Distributed by Mediagenic, 3885 Bohannon Dr., Menlo Park, CA 94025

Reader Service Number 216.

Still Kicking

The Software Toolworks has been authorized by the Bruce Lee Estate to release *Bruce Lee Lives* for IBM PCs and compatibles. It is the only martial arts program that features computer opponents equipped with artificial intelligence, which enables them to recognize, learn, and remember your fighting strategy.

The game also has a programmable macro key, which allows you to choose and choreograph a series of fighting moves. You can use these moves against your opponents by pressing only a single key.

You assume the role of Bruce Lee and begin the game by studying and training in Lee's personal training room. Eventually, however, you will be required to challenge the renegade Shao Lin monk, Master Po, whose dangerous band of thugs has terror-

ized the streets of Hong Kong.

Bruce Lee Lives supports CGA, EGA, and VGA graphics and has a suggested retail price of \$49.95.

The Software Toolworks, 19808 Nordhoff Pl., Chatsworth, CA 91311

Reader Service Number 217.

Railroad Baron

Sid Meier's Golden Age of Railroads for the IBM PC and compatibles allows you to build your own railroad empire from the nineteenth century through today.

In this MicroProse release, you must decide where the tracks should go and plan the placement of terminals and switches. You also select the routes and decide which towns, cities, and harbors to connect. Along the way, you'll encounter equipment failures, natural catastrophes, and economic fluctuations, but you'll also discover opportunities. Your financial success will depend on building your empire from scratch through hard work, acquiring low-cost operations and turning them around, or making



Wheel and deal as you build a railroad empire with the *Golden Age of Railroads*.

ruthless business deals with a little financial trickery.

Experience railroading in four regions of the world: Eastern U.S., Western U.S., England, and Western Europe.

The suggested retail price of *Golden Age of Railroads* is \$59.95.

MicroProse, 180 Lakefront Dr., Hunt Valley, MD 21030

Reader Service Number 218.

Video Value

Now you can live out your Indiana Jones fantasies on both your computer and television screens. For a limited time, Lucasfilm Games is offering a special promotion in conjunction with the release of the movie *Indiana Jones and the Last Crusade* on videocassette.

If you buy one of the games based on the hit movie, you can purchase the VHS video for only \$10.00. Buy two games and you'll receive the

video, which retails for \$24.95, absolutely free.

To qualify for the offer, you must have purchased one or more Indy games from a participating retailer between February 1 and June 30, 1990. *The Action Game* takes some of the film's best chase and fighting sequences and translates them into arcade action, while *The Graphic Adventure* places you in the role of Indy as you take on his perilous quest for the Holy Grail.

Details concerning proof of purchase and other requirements are available at participating retailers throughout the U.S. and Canada.

Lucasfilm Games, P.O. Box 2009, San Rafael, CA 94912

Reader Service Number 219.

Low-Cost Dot-Matrix

The NX-2415 Multi-Font, a wide-carriage 24-wire dot-matrix printer from Star Micronics, offers letter-quality output, high-speed printing, four internal fonts, and advanced paper handling.

Ideally suited for printing spreadsheets and other wide-format documents, the NX-2415 prints at 200 characters per second (cps) in draft elite mode and 67 cps in letter-quality mode. It is also well suited for business correspondence, data processing, desktop publishing, and computer-aided design.

The control panel allows you to select and set almost all commonly used functions. The four resident fonts—Courier, Prestige, Orator, and Script—can be printed in pica, elite, condensed pica, condensed elite, and proportional sizes. Optional font cards provide additional fonts, and an optional 32K RAM card can store downloaded fonts.

The advanced paper-handling features include paper parking, which allows single-sheet feeding without removing tractor-fed paper. It also features automatic paper loading, friction and adjustable push-tractor feeds, an optional pull tractor, and forward and reverse microfeed. An optional 120-sheet automatic sheet feeder is also available.

The NX-2415 has a parallel interface and incorporates Epson LQ-1050 and IBM Proprinter XL24 emulations. An 11K buffer can be expanded to 43K with an optional 32K RAM card.

The suggested retail price of the NX-2415 is \$699.

Star Micronics, 200 Park Ave., Suite 3510, New York, NY 10166

Reader Service Number 220. □



OFF LINE

D A N G O O K I N

Throwing a party for my computer friends is tough. They have special dietary requirements. But I'd rather have them standing around chewing on stale doughnuts than playing "guess which part of the brie you're not supposed to eat."

It was right before I left for the military-surplus grocery store that I realized we're missing something in the computer industry—a culinary guide. Maybe the "gang of nine" who developed EISA could work on a hacker food consumption standard? Or maybe someone will publish *Peter Norton's Guide to PC Cooking*.

When you start computing as a hobby, you develop these weird food habits, a strange desire for snacks, munchies, and sugar—a Pavlovian response to the words *malt balls*.

Most computer people can't remember what they've eaten from one meal to the next. Hard-core computer nerds, on the other hand, just need to smile. Since they never brush their teeth, you can always see what they've eaten.

But what exactly is computer food?

I asked an expert: eight-year-old food connoisseur Ralph McGuffin who, according to his best friend, Peety, is "the fattest kid in the fourth grade!" Ralph says nerd food isn't defined by the contents of the package but by the size of the package. "If you can't fit it all in your mouth at once, then it's not good computer food."

Ralph's really big on computers and eating. In fact, Ralph is really big, period. He orders the meals and snacks for all of the programmers at BilgeSoft, where he heads up product development. "There is a desire for some ethnic food," he confesses. "Mexican food is ideal. Even when you're sick and can't taste it, it'll clear out your sinuses faster than 80 Drixoral tablets. Chinese food is OK, as long as it's super hot and spicy. If it

doesn't melt through the table after two minutes, it's not spicy enough."

Computer food isn't just defined by what it is, but by when it's eaten—usually at some forsaken hour when night is darkest. Why is that? After just 36 hours in front of your PC, those hunger sensors fire like a commercial on the late, late show. It's what doctors and computer scientists call the Human Food Interrupt. (This is technically a "nonmaskable interrupt.")

Computer enthusiasts need sustenance to keep up their computing habit. And they don't want anything from the croissant and pasta bar at the Sizzler. In fact, researchers have determined that computer enthusiasts need to fulfill each of four basic electronic food groups daily: the munchie group, the high fat and cholesterol group, the frozen or very cold group, and the fluorocarbon group (includes Cheese Whiz).

And what of beverages?

Unlike most other hobbyists, computer people don't get into beer. Long gone are the days of the macho

enthusiasts are apt to have one or two brewskis is when they've discovered something really important—like that both socks match. Usually they resort to something stimulating, usually Diet Coke. Just for the caffeine of it.

And you can't mention computer beverages without talking about coffee. Only God could have created such a highly caffeinated beverage that has little redeeming value other than covering up morning breath.

Coffee activates dormant brain circuits. It promises to keep you up longer, allowing you to enjoy your computer for more hours of the night. This is why most computer people won't put on a pot o' brew until ten o'clock. Before then it's Diet Coke or one of the most potent drinks legally available to a 14-year-old: Jolt Cola.

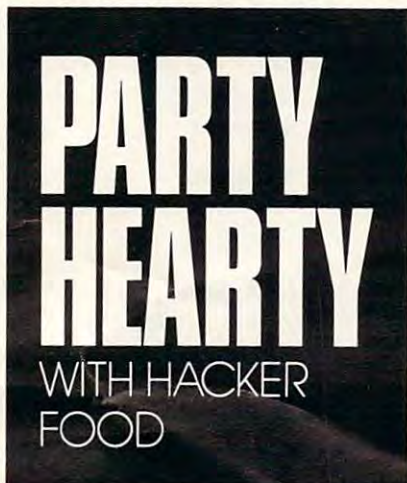
Jolt is a computer person's dream come true; it's serious stuff. It has all the caffeine and twice the sugar of wimpier cola drinks. (Or vice-versa—I mean who really cares when your eyes are open that wide?)

In one scientific study, a cow that had been dipped into a vat of Jolt Cola managed to win the seventh at Belmont.

So there you have the rundown on hacker food basics. If you're throwing a party for your compufriends, here's my recommended shopping list. (The quantities here are for 20 people. Use 1-2-3 to calculate amounts for larger parties.)

Six bags of Nacho Cheese Doritos; three 2-pound bags of M & Ms, guacamole dip with tabasco; onion dip (with spoons—who uses chips?); two cans of honey-roasted peanuts; one can of mixed nuts (for the *dBase* freaks to sort); one case of Twinkies; one vat of Cool Whip; several bags of Double-Stuff Oreos (buy an extra bottle of "stuff" so you can recycle all the black Oreo disks people don't eat); two cases of Jolt Cola; three cases of Diet Coke; and a plain brown sack of miscellaneous bits loosely identified as "munchies."

That should do it. Have fun! ☐



Fortran programmer, sitting by his terminal in his Bermuda shorts and black socks with a cold one by the keyboard. (They'd sit around, code, belch, scratch their potbellies, and say, "What a hobby!")

About the only time computer



HOTWARE

SOFTWARE BESTSELLERS FROM AROUND THE COUNTRY

HOME PRODUCTIVITY

1. Tax Cut

Prepare for April 15.
MECA
IBM

2. Quicken

Manage your finances.
Intuit
IBM, Macintosh

3. Turbo Tax 1990

Speed up your tax calculations.
CHIPSOFT
IBM

4. The Print Shop

Make signs, cards, banners, and more.
Broderbund
Apple II, Apple IIgs, Commodore 64/128, IBM, Macintosh

5. Calendar Creator Plus

Create many different calendars.
Power Up
IBM, Macintosh

6. Managing Your Money

Allocate your income.
MECA
Apple II, IBM, Macintosh

7. MacInTax

Mac-simimize your tax refund.
SoftView
Macintosh

8. PC Globe 3.0

Explore world demographics.
PC Globe
IBM

9. PC USA

Explore the United States.
PC Globe
IBM

10. Print Shop Graphics Library

Add variety to your *Print Shop* creations.
Broderbund
Apple II, Apple IIgs, Commodore 64/128, IBM

HOME ENTERTAINMENT

1. Tetris

Deceptively addicting falling-block game.
Spectrum HoloByte
Amiga, Apple IIgs, Commodore 64/128, Macintosh

2. Flight Simulator

Head for the wild blue yonder.
Microsoft
IBM, Macintosh

3. SimCity,

Run the world's first simulated city.
Maxis
Amiga, Commodore 64/128, IBM, Macintosh

4. Welltris

Add a new dimension to Tetris.
Spectrum HoloByte
IBM

5. Leisure Suit Larry III

Larry and Passionate Patti get together.
Sierra
IBM

6. Populous

Deities battle it out.
Electronic Arts
Amiga, IBM

7. Falcon

Air combat at its best.
Spectrum HoloByte
Amiga, IBM, Macintosh

8. Life & Death

Your chance to play surgeon.
Software Toolworks
Apple IIgs, IBM, Macintosh

9. ChessMaster 2100

Board strategy that isn't boring.
Electronic Arts
Apple II, Apple IIgs, Commodore 64/128, IBM

10. Starflight II

Explore the final frontier again.
Electronic Arts
IBM

HOME LEARNING

1. Mavis Beacon Teaches Typing

Learn to touch-type.
Electronic Arts
Apple II, Apple IIgs,
Commodore 64/128, IBM, Macintosh

2. Where in Time Is Carmen Sandiego?

Can you find Carmen in time?
Broderbund
IBM

3. Math Blaster Plus!

Teaches basic math concepts.
Davidson & Associates
Apple II, Apple IIgs, IBM

4. The Children's Writing & Publishing Center

A desktop publisher for kids.
The Learning Company
Apple II, Apple IIgs, IBM

5. Where in the World Is Carmen Sandiego?

Chase Carmen around the world.
Broderbund
Amiga, Apple II, Commodore 64/128, IBM, Macintosh

6. Reader Rabbit

Helps children learn to read.
The Learning Company
Apple II, Commodore 64/128, IBM, Macintosh

7. Learning DOS

Learn the ins and outs of DOS.
Microsoft
IBM

8. Math Rabbit

Build early math skills.
The Learning Company
Apple II, Commodore 64/128, IBM, Macintosh

9. The Playroom

Kids explore and learn on their own.
Broderbund
IBM

10. Think Quick

Children learn problem solving.
The Learning Company
Apple II, Apple IIgs, IBM



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Konami is cooking now, with a hot computer game that gives you complete control of world championship caliber basketball, featuring Chicago, New York, Boston and LA.



From the opening tip, it's 5 on 5, full court, board crashing action, highlighted by blocks, steals, picks,



foul shots, 3 point bombs and 3 kinds of slams — the Gorilla, the Rim Rockin' Reverse

and the In-Your-Face Jam!

Two can play at this game, or you can challenge the computer. Either way, it'll take all the runnin' and gunnin' you can muster if you hope to savor the taste of victory.

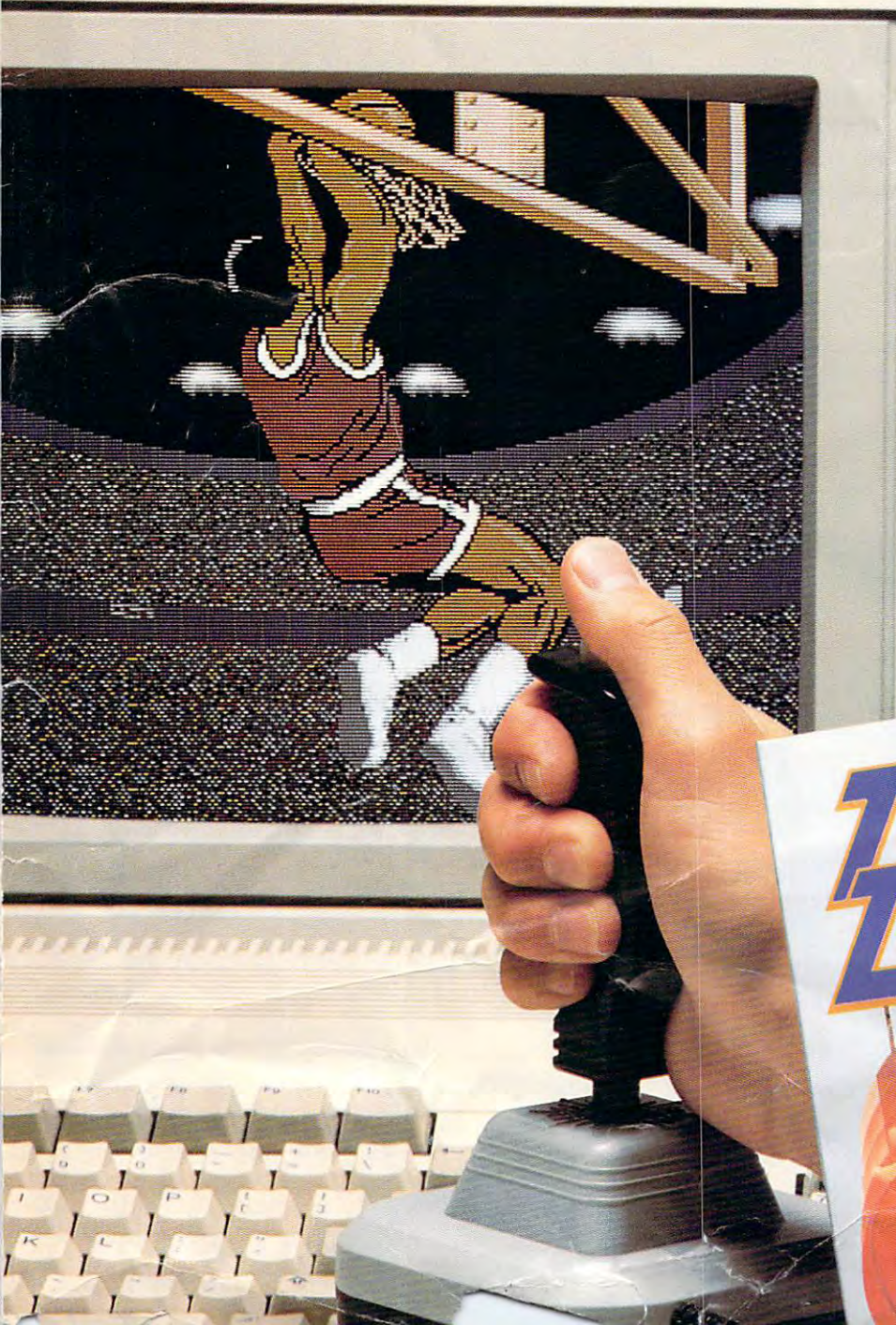


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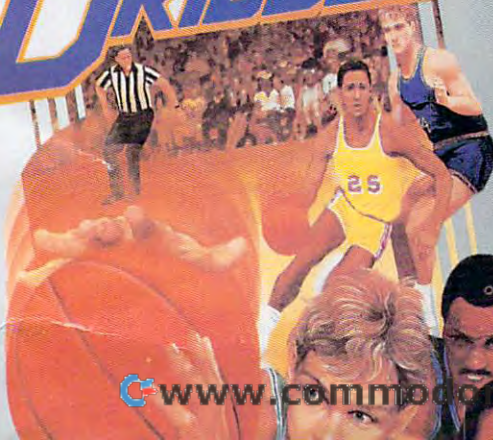
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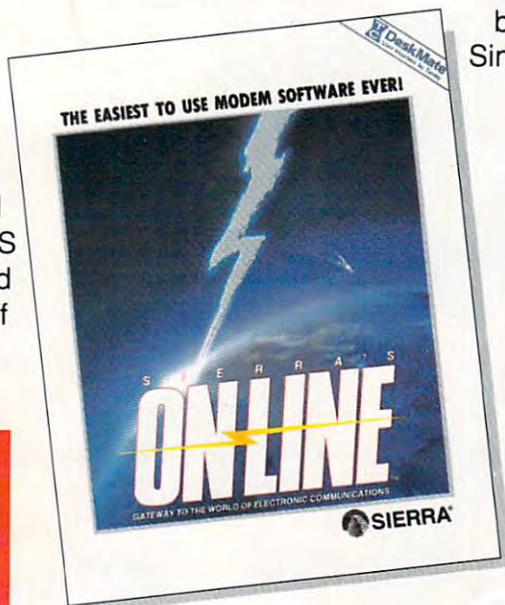
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