

Introducing Compucolor II ...The Renaissance Machine



The Renaissance Machine. The computer for all ages.

The computer revolution has arrived. Everywhere, computers are changing the way Americans do business. Now, however, there is a revolutionary *personal* computer that can change the way Americans live. A computer that can enhance our lifestyles. Its name is Compucolor II and we call it The Renaissance Machine, because, in this age of pushbutton power it's in a class by itself:

The Renaissance Machine brings a whole new level of sophistication and simplicity to personal computers. The Renaissance Machine is for men, women, and entire families who are involved in a diverse range of intellectual, cultural, business and recreational pursuits.

Compact and completely self-contained, the Compucolor II stores, retrieves and processes data using its own 8-color, 13-inch diagonal high resolution tube, designed specifically for the Compucolor II by General Electric Co. Just plug it in any standard outlet, and your Compucolor II is ready to go, at your service. It's that simple.

Why we stand alone.

Take a close look at other personal computers: they're mostly small, black and white units; many need a separate television set, *your* television set, to display programs; almost all employ separate cassette tape recorders of questionable speed and quality to store programs and data.



complete personal computer

They just don't measure up to CompuColor II. It's complete (no tying up the TV); it's accessible; it contains 8K, 16K or 32K bytes of user memory.

Built-in Extended Disk BASIC (Beginners All-purpose Instruction Code) is standard. Which simply means that you communicate with your Renaissance Machine on a simple-to-read typewriter style keyboard, in an easy-to-understand language with English commands. Programs and data are stored on a high speed, random access commercial disk drive (Micro-Floppy™ by Wangco), also built right into the unit. This is the fastest, most practical and reliable way to file information, and an *exclusive* feature of the CompuColor II.

A complete system? In truth, the CompuColor II is the most complete personal computer available today.

Our diskette albums make the difference—a new challenge for students of all ages.

With a little experience, almost anyone can write and store his own personal Renaissance Machine programs. You can also enjoy our low-cost programmed diskette albums. Each one contains two to six imaginative programs. Simply insert one in your built-in disk drive and, presto! You'll discover a whole new world. So will your children.

CompuColor II is the best teacher your children ever had. It's a patient, friendly instructor that gives encouragement as it teaches. Your children not only will learn because they *have* to—they'll learn because they *want* to.

If you're game, try Blackjack, One-Armed Bandit, Acey Deucey, 3D Tic-Tac-Toe,

Chess, Lunar Landing, and the contemporary favorite—Star-Trek. These are only some of the challenging and rewarding programs The Renaissance Machine diskette albums can bring you. Many more are in the works, and soon you'll be developing your own!

A new flexibility for problem solvers.

The Renaissance Machine is not all fun and games, not by a long shot. Let it handle your home budgeting, checkbook balancing and income tax compilation. Your Renaissance Machine will give you a permanent record of all your personal business transactions, categorized to make retrieval at tax time a snap. Remember, too, that your CompuColor II is tax deductible to the extent you use it in personal tax computation. Consult your tax advisor for full details.

The Renaissance Machine will help you manage your home from top to bottom, from planning menus to maintaining stock portfolios. As you learn more, the CompuColor II will do more—potentially becoming the most valuable home improvement you ever made.

The Renaissance Machine. You'll wonder how you ever lived without it.

For the family that buys one, The Renaissance Machine is a lifetime investment. The high impact plastic cabinet, built to last by General Electric Co., has a handsome walnut finish that fits beautifully in any room.

Best of all, CompuColor II has limitless applications for the future. Will it enhance and enrich your family's life? For the answer, see your nearest CompuColor II dealer. He'll be more than happy to give you a free demonstration. See if you're not sold on the many unique benefits it has to offer. The CompuColor II—The Renaissance Machine. The complete personal computer for all ages.

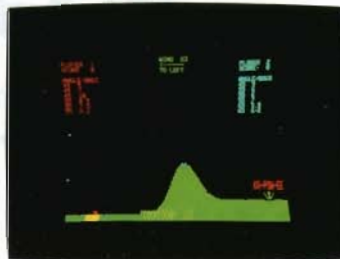
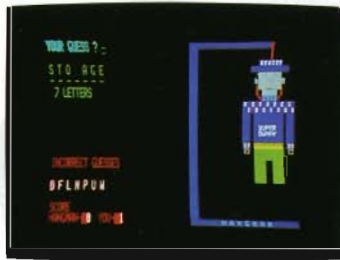
The Renaissance Machine is a one-of-a-kind system for the one-of-a-kind person who demands, and will not settle for anything less than, the best.



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Color graphics display.

The Renaissance Machine features a color display with 32 lines and 64 characters per line, two different character sizes and special graphics characters. It includes advanced color graphics, and state-of-the-art, high-density memory components.



How we measure up.

	CCII Model 3
Retail Price	\$1,495
CPU Processor/Speed	8080A/2MHz
Disk BASIC	Yes
Random Access File Capabilities	Yes
ROM Memory Supplied	17K
RAM Memory Supplied	8K
Maximum RAM in Unit	32K
Number Characters/Line	64
Number Lines	16/32
Number of Character Sizes	4
Display Type	DM
Colors	8
Graphics	128 x 128 (8 color)
Vector Software	Yes
Special Characters	64
Special Character Resolution	384 x 256
Lower Case Characters	No
Standard External Interface	RS-232C
Mass Storage Type	Mini-Disk
Access Time	1 sec.
Data Transfer Rate	7680 CPS
Storage Capacity	51.2KB
Keyboard (#Keys/Type)	72/COM
Disk Price Adjustment	0
Color Price Adjustment	0
RS-232C Interface Price Adjustment	0

TRUE SYSTEM COST
With Color and Disk **\$1,495**

Cassette system based upon 15 min. tape lengths. For 5 min. tape lengths a



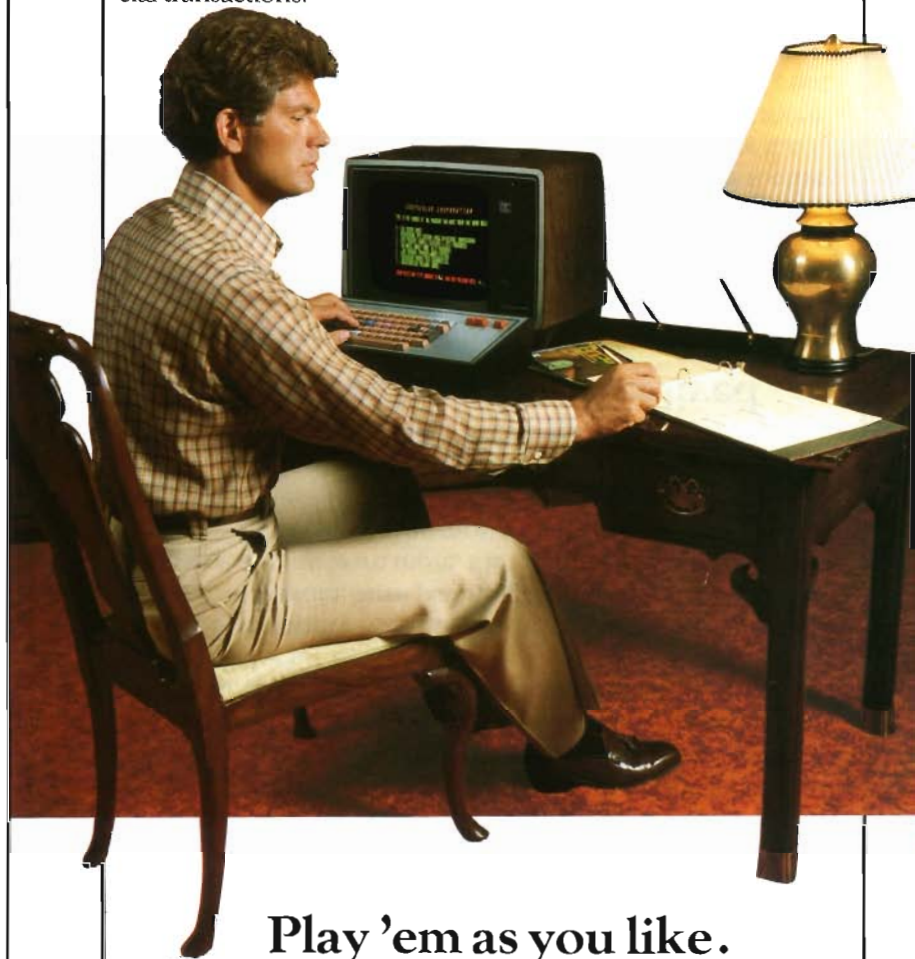
	PET	APPLE
\$80		
SIC II 16K RAM		
39	\$795	\$970
0/	6502/	6502/1MHz
	No	No
	No	No
	14K	8K
	8K	4K
	8K	48K
32	40	40
	25	24
	1	1
	DM	TV (not supplied)
	B/W	15
	No	40 x 48 (5 or more colors)
	No	Yes
	64	Yes
	320 x 200	280 x 192
	Yes	Yes
	IEEE-488	No
	Cassette	Cassette (not supplied)
	420 sec.	420 sec.
	50 CPS	100 CPS
	50 KB	100 KB
	73/CAL	52/COM
	\$700	\$595
9 (B/W Display)	N/A	\$400 (must include)
cluded in*	\$200	\$180
786	\$1,695	\$2,145

Page amounts are 1/3 of indicated. All prices are as advertised in October 1978.



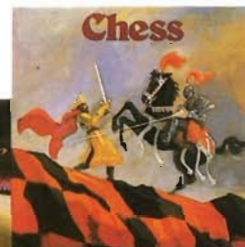
Money matters made easy.

With our Personal Financial Series of programs, you can compute and store information about loans, savings, bonds and securities, and equity. Use The Renaissance Machine for check-book balancing and income tax compilation. There's a Compu-color programmed diskette album available right now. Load your records into memory, transfer them to a blank diskette, and you'll have a permanent record of all your personal financial transactions.



Play 'em as you like.

With Compu-color II, family fun is right at your fingertips. A variety of computer games can be played on your Renaissance Machine, providing colorful entertainment for any age level. And you don't have to be a programmer to play. Just use our Compu-color II programmed diskette albums. Each one contains two to six



24-hour private tutor.

CompuColor II will become an integral part of your children's growing up. They can benefit from Math Tutor, a Renaissance Machine diskette program designed to help them over arithmetic hurdles. And remember Hangman, the classic word game? It's been transformed into a colorful and exciting computer game. With our Hangman diskette album, your children will have fun beefing up their vocabulary and spelling skills. More than that, they will be getting an early opportunity to participate in the computer revolution. Think about it. Don't you really owe it to your children to give them this chance?



The Rena

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the Renaissance Machine.

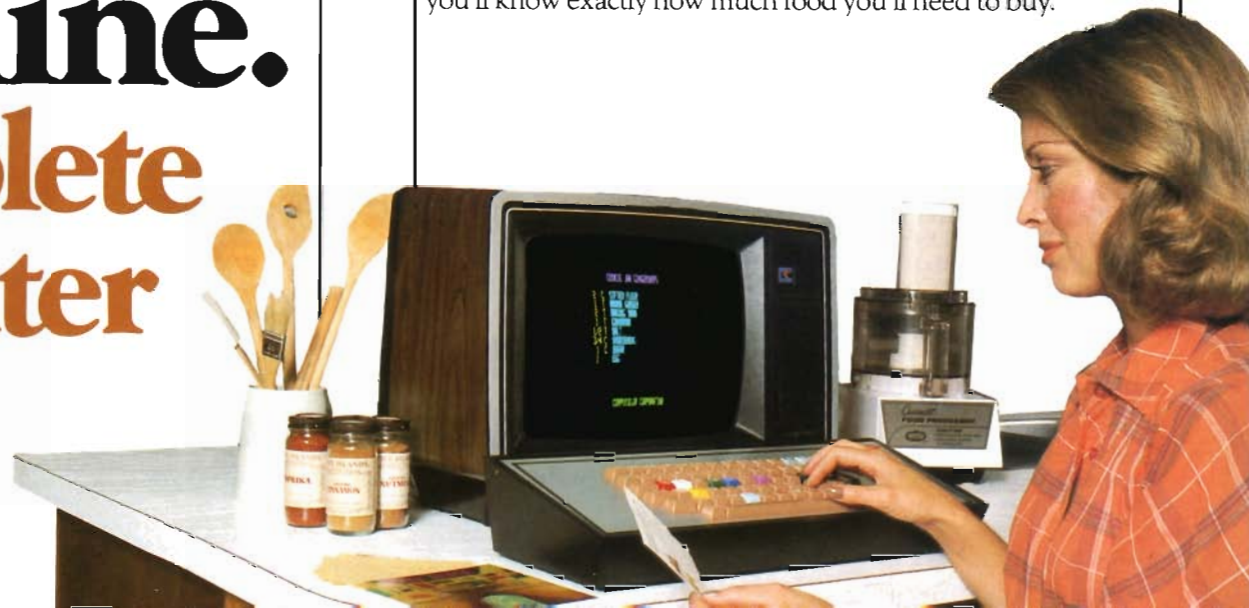
the complete
1 computer
all ages.



games, already programmed and set to go. See the back cover for a list of programs available now at your CompuColor dealer. And remember, more are being developed all the time. Be sure to check often, and keep your library of albums up to date.

Mother's little helper.

Homemakers will enjoy using CompuColor II programs for recipe storage and menu planning. With The Renaissance Machine, your favorite recipes can be stored in memory and called up instantly. And you can cut or expand them in a matter of seconds. Here's an example. Say you're planning a dinner for nine. You want to prepare your specialty, Coq au Vin—but the recipe you've stored in memory serves only four. No problem. Hit the right buttons and CompuColor II will come up with Coq au Vin for nine in just the right proportions. And you'll know exactly how much food you'll need to buy.



CompuColor II Specifications

Keyboard

Separate keyboard with Standard ASCII 4 level, coded with 192 codes. Includes 71 gold crossbar commercial key switches. CPU Reset and Automatic disk loading (AUTO) keys are included. Optional: 101 keys with color and numeric clusters or 117 keys with 16 additional function keys.

Microcomputer

Central Processing Unit: 8080A, 2 microsecond cycle time with total memory expandable to 64K bytes.

Read Only Memory (ROM): 16K bytes of non-destructive read only. Memory sockets included for 8K bytes of additional EPROM/MROM memory. Includes DISK BASIC, File Control System, and Terminal Software.

Random Access Memory (RAM): 4K bytes for screen refresh. 8K bytes for user workspace. (Optional 16K and 32K - Models 4 and 5.)

Input/Output Ports: system is designed for 478 ports, with 30 ports implemented in standard unit. Including one RS-232C Serial Asynchronous Channel for a printer or modem.

50 pin bus: provides all addresses, data, clocks, etc., to allow the CompuColor II to be expanded with additional peripherals in the future.

CRT Terminal Commands: Page/Roll Mode; Erase Line; Erase Page; Tab; Two Character Sizes; Blink; Cursor Home, Left, Right, Up and Down; Cursor XY Addressing; Caps Lock; CPU Reset; Foreground/Background Color Selection; 15 Plot Modes; Blind Cursor Mode; Local, Full and Half Duplex Modes; Write Vertical Mode; and Transmit Cursor and Page Modes.

Language: DISK BASIC 8001 interpreter in ROM memory includes: 29 statement types: CLEAR, DATA, DEF, DIM, END, FILE, FOR, GET, GOSUB, GOTO, IF, INPUT, LOAD, NEXT, ON, OUT, PLOT, POKE, PRINT, PUT, READ, REM, RESTORE, RETURN, SAVE, STEP, THEN, TO and WAIT. 3 command types: CONT, LIST and RUN. 19 mathematical functions: ABS(x), ATN(x), CALL(x), COS(x), EXP(x), FN_x(y), FRE(x), INT(x), INP(x), LOG(x), PEEK(x), POS(x), RND(x), SGN(x), SIN(x), SPC(x), SQR(x), TAB(x), and TAN(x). 9 string functions: ASC(x\$), CHR\$(x), FRE(x\$), LEFT\$(x\$,I), LEN(x\$), MID\$(x\$,I,J), RIGHT\$(x\$,I), STR\$(x) and VAL(x\$). 12 Disk File commands: COPY, DELETE, DEVICE, DIRECTORY, DUPLICATE, INITIALIZE, LOAD, READ, RENAME, RUN, SAVE, and WRITE.

Baud Rate: Independent Baud rate generators for one of 7 Baud rates from 110 Baud to 9.6K Baud.

Mini Disk Drive

Uses 5¼" square CompuColor II diskettes.

Tracks: 40

Track Density: 48 tpi

Power on Delay: 1 second

Access Time: (average 20 tracks) 200 ms

Average Latency: 200 ms

Transfer rate: 76.8 Kilobits/sec.

Performance specifications:

Capacity formatted 51.2K Bytes/Side.

Both sides usable by flipping diskette over.

CRT Display

Eight color display with 32 lines of 64 characters (2048 characters). Two different character sizes.

Plotting graphics of 128 x 128, including vector generating software. 64 standard ASCII characters and 64 additional special graphic characters. Includes a Standard RS232C Terminal Mode for time sharing use. 60Hz refresh. Usable screen area 9" wide x 6¾" high.

Programmed Sof-Disk™ Albums Available for the CompuColor II

Sampler (Includes: 1. Demo Program of Sample Displays and CCII Features; 2. Game of Concentration; 3. One-Armed Bandit; 4. Biorhythms; 5. Loan and Repayment Schedule; 6. Memory Diagnostics for the CCII; 7. Engineering Application.)

Math Tutor: Math Tutor, Checkbook, Recipe Program, Math Dice, Biorhythms

Star Trek: Star Trek, Lunar Lander, Shoot, Tic-Tac-Toe

Hangman: Hangman, Math Tutor, Two to Ten

Chess: Chess, Acey Deucey, Line Five, Biorhythms

Othello: Othello, Math Dice, Concentration (Numbers), Concentration (Letters)

Text Editor

Assembler for the 8080

Some programs may require additional RAM memory.

Prices

Model 3 - 8K user RAM - \$1,495 Retail*

Model 4 - 16K user RAM - \$1,695 Retail*

Model 5 - 32K user RAM - \$1,995 Retail*

Warranty 90 days

Available options

Second CompuColor II Micro-Floppy™ disk drive - \$400*

Expanded Keyboard: 101 keys with color and numeric clusters - \$135*



Deluxe Keyboard: 117 keys, including 16 additional function keys - \$200*



Additional 16K RAM Module (only for Model 3 and 4) - \$375*

JUDY BECKES
COMPUTER TECHNOLOGY ASSOCIATES
3705 Westerfield NE
Albuquerque, NM 87111
505-292-1212, 505-265-4707



CompuColor® Corporation

P.O. Box 569 / Norcross, GA 30071 / Phone (404) 449-5996