# USED COMPUTERS

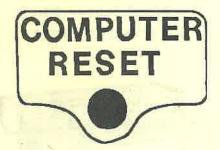


# AND HARDWARE



# PARTS AND ACCESSORIES





P.O. Box 461782 Garland, TX 75046-1782 VOICE (214) 276-8072 FAX/BBS (214) 272-7920

New and Used Computers and Accessories

IBM PCjr & Convertible Upgrades, Parts, & Accessories





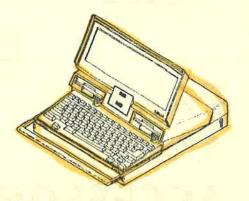
# FALL/WINTER USED COMPUTER SPECIALS!





IBM PC Model 5150 \$99

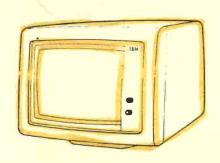
256k RAM
1 360k FLOPPY DRIVE
KEYBOARD
MONOCHROME MONITOR\*



IBM PC CONVERTIBLE
MODEL 5140

\$349

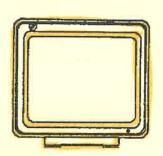
512K RAM
2 - 720K FLOPPY DRIVES
ATTACHABLE PRINTER



# IBM 5151

MONOCHROME MONITOR TTL INPUT - GREEN SCREEN 12" DIAGONAL SCREEN SIZE

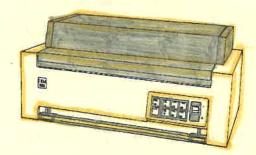
\$25 WITH BURNED SCREEN \$49 WITH CLEAR SCREEN



## IBM 8512

COLOR VGA MONITOR
640×480 Resoltuion
14" Diagonal Scrren Size

\$159



# \$199

IBM 5182

COLOR PRINTER
132-COLUMN
200 CPS DRAFT
35 CPS NLQ
4 OR 8 COLORS

# Used, Demo and Refurbished Computers \*



#### AT&T

PC6300 \$ 369 8086, 8 Mhz, 256K RAM, 1 (360K)FD, Kbd PC6300 \$ 449 8086, 8 Mhz, 256K RAM, 1 (360K)FD, Kbd Add a Monochrome Monitor for \$ 79

#### **APPLE**

Ile 64K Computer Only
Ile 128K Computer \$449
2 Floppy Drives, Mono Monitor

#### **COMPAO PORTABLE**

\$ 229 Portable I 8088, 4.7 Mhz, 256K, 2(360K)FD, 9" Monitor Portable + 8088, 4.7 Mhz, 256K, 1(360K)FD, 10 Meg HD, 9" Mono Monitor \$ 549 Portable II 80286-8 640K, 2(360K)FD, 9" Mono Monitor \$ 689 Portable II 80286-8, 640K, 1(360K)FD, 20 Meg HD, 9" Built In Monochrome Monitor \$ 469 Portable 286 80286-8 640K, 1(360K)FD, Built in 9" Monochrome Monitor \$ 599 Portable 286 80286-8, 640K, 1(360K)FD, 20 Meg HD, 9" Built In Monochrome Monitor \$ CALL Portable III 80286-10, 640K, 1(1.2 Mb)FD, 20 Meg to 100 Meg Hard drive Built in GAS Plasma Screen, Lunch Box Style Case. Portable 386 80386-20, 1 Meg, 1(1.2 Mb)FD, 20 Meg to 100 Meg Hard drive, Built in Gas Plasma Screen Lunch Box Style Case \$ CALL **SLT Series** \$ CALL LTE Series 8086, 80286 & 80386 Notebook Style







#### **COMPAQ DESKTOP**

Tellacomputer \$329 8088, 258K, 3(360K) FD, Telephone, Modem Built in 9" Mono Monitor Built In

DskPro 8088	\$ 179
256K RAM, 2 (360K) FD, Kbd	
DskPro 286/12	\$ 529
80286-12, 640K RAM, 1(1.2Mb)FD, K	bd
DskPro 286/12 Mod 20	\$ 599
80286-12, 1(1.2Mb)FD, 640K RAM,	
20 Meg Hard Drive, Kbd	
DskPro 286/12 Mod 40	\$ 675
80286-12, 1(1.2Mb)FD, 640K RAM,	
40 Meg Hard Drive, Kbd	
Dskpro 286e-1	\$ 579
80286-12, 1(1.2Mb)FD, 1 Meg RAM, I	Kbd
DskPro 286e-40	\$ 769
80286-12, 1(1.2Mb)FD, 1 Meg RAM,	
40 Meg Hard Drive, Kbd	
Dskpro 286n-1	\$ 599
80286-12, 1(1.2Mb)FD, 1 Meg RAM, 1	Kbd
DskPro 286n-40	\$ 789
80286-12, 1(1.2Mb)FD, 1 Meg RAM,	
40 Meg Hard Drive, Kbd	
DskPro 386/16	\$ CALL
80386-16, 1(1.2Mb)FD, 640K RAM,	
XX Meg Hard Drive, Kbd	
DskPro 386/20	\$ CALL
80386-20, 1(1.2Mb)FD, 1 MEG RAM	,
XX Mcg Hard Drive, Kbd	
DskPro 386/25	\$ CALL
80386-25, 1(1.2Mb)FD, 1 MEG RAM	,
XX Meg Hard Drive, Kbd	



IBM PORTABLES\$179

Portable 5155 -1
8088, 256K RAM, 1 (360K) FD, Kbd,
9" Built In Amber Monitor.
5140 Convertible - 002
8088, 512K RAM, 2(720K) FD, Enhanced
LCD Screen Printer Carrying Case)
5140 Convertible - 003 "NEW"
\$849
8088, 640K RAM, 2(720K) FD, Backlit
LCD Screen, AC Adapter.

#### IBM DESK TOP

\$ 169 4860 PCjr 128K RAM, 1(360K) FD, Kbd \$ 99 5150-166 PC 256K RAM, 1(360K) FD, Kbd, 5151 Mono Monitor (with imperfect screen) \$ 149 5150-176 PC 256K RAM, 2(360K) FD, Kbd, 5151 Mono Monitor (with imperfect screen) \$ 159 5160-086 PC/XT 256K RAM, 1(360K) FD, Kbd, 5151 Mono Monitor (with imperfect screen) 5160-078 PC/XT 256K RAM, 2(360K) FD, Kbd, 5151 Mono Monitor (with imperfect screen) 5160-086 PC/XT 256K RAM, 1(360K) FD, 10 Meg Hard Drive, 101 Key Enhanced Kbd, 5151 Monochrome Monitor (with imperfect screen) 5160-089 PC/XT 640K RAM, 1(360K) FD, 20 Meg Hard Drive, 101 Key Enhanced Kbd, 5151 Monochrome Monitor (with imperfect screen) 5160-268 PC/XT 640K RAM, 2(360K) FD,101 Key Enhanced Kbd 5151 Monochrome Monitor (with imperfect screen)

5170-068 PC/AT 80286, 512K RAM, 1.2 Mb Fd, Ser/Par, Kbd (no video card) \$ 495 5170-099 PC/AT 80286, 512K RAM, 1.2 Mb Fd, 20 Meg Hard Drive, Ser/Par, Kbd (no video card) \$ 539 5170-239 PC/AT 80286, 512K RAM, 1.2 Mb Fd, 30 Meg Hard Drive, Ser/Par, Kbd (no video card) \$ 599 5170-339 PC/AT 80286, 512K RAM, 1.2 Mb Fd, 30 Meg Hard Drive, Ser/Par, Kbd (no video card) \$ 1100 5170-339 PC/AT "NEW" 80286, 512K RAM, 1.2 Mb Fd, 30 Meg Hard Drive, Ser/Par, Kbd (no video card) 5170-Tempest "SPY Proof" \$ 999 Shielded System, 640K RAM, 2(360K)FD, 2 Cartridge Drives, Kbd (This is a relic from the Cold WAR and has extensive shielding to prevent radiation emissions from the computer)

IBM RT "Tempest - SPY Proof"
Shielded System, CPU Only \$ 1895



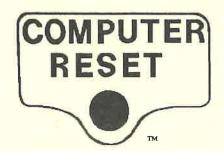
#### IBM PS/2 Computers

47xx PS/2 Executive Workstation \$599 8686, 640K RAM, 1(720K)FD, 101 Key Kbd, Drive Lock, Attached MCGA Monochrome Monitor (performs like PS/2 Mod 30 only smaller in size)

8525-001 \$ 429 8088, 512K RAM, 1(720K) FD, Key Bd 12" B/W Mono Monitor 8525-GO1 \$ 479 8088, 512K RAM, 2(720K) FD, Key Bd 12" B/W Mono Monitor



B

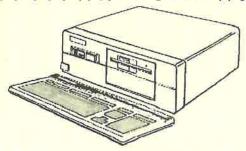


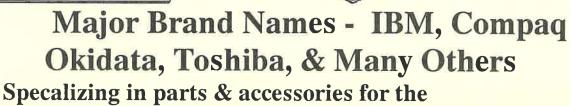
# Used Computers & Printers

# Monitors & Printers

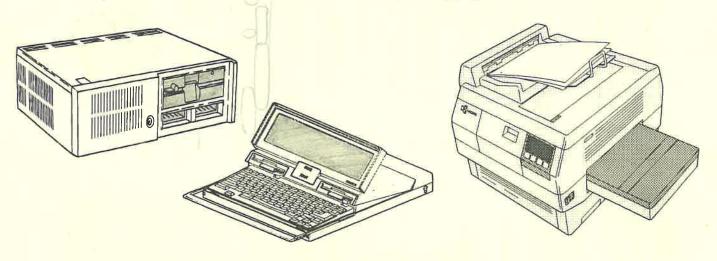
Why Buy New ??... When Used Will DO!! TM







IBM PCjr, Convertible, PC, PC/XT, PC/AT



The Place to get dependable Refurbished IIBM & Compatible computers That Work for You As Good As New...
Service Parts, Repairs and Upgrades

8525-004	\$ 549
8088, 512K RAM, 1(720K) FD, Key Bd	
12" Color (MGCA Graphics) Monitor	
8525-GO4	\$ 599
8088, 512K RAM, 1(720K) FD, Key Bd1	2"
Color (MGCA Graphics) Monitor	
8530-001	\$ 195
8086, 512K RAM, 1(720K)FD, Kbd	
8530-002	\$ 249
8086, 640K RAM, 1(720K)FD, Kbd	
8530-021	\$ 469
8086, 512K RAM, 1(720K)FD, 20 Meg I	HD,

Kbd

the 8 Bit expansion Slots.

\$ 469 8530-E01 80286-10, 1 Meg RAM, 1(1.44MB)FD, Kbd \$ 499 8530-E21 80286-10, 1 Meg RAM, 1(1.44MB)FD, 20 Meg Hard Drive, Kbd \$ 599 8530-E31 80286-10, 1 Meg RAM, 1(1.44MB)FD, 30 Meg Hard Drive, Kbd Note: The 8530 is a 286 or AT type computer with 3 of the 16 bit expansion slots.

Note: The 8530 is an XT Class Machine including 3 of

\$ 599 8550-021 80286-10, 1 Meg RAM, 1(1.44MB)FD, 20 Meg Hard Drive, Kbd \$ 649 8530-031 80286-10, 1 Meg RAM, 1(1.44MB)FD, 30 Meg Hard Drive, Kbd \$ 749 8530-061 80286-10, 1 Meg RAM, 1(1.44MB)FD, 60 Meg Hard Drive, Kbd Note: The 8550 is a MICROCHANNEL Bus Machine having 3 expansion Slots \$ 1129 8555-031 80386SX/16, 2 Meg RAM, 1(1.44MB)FD, 30 Meg Hard Drive, Kbd \$ 1179 8555-041 80386SX/16, 2 Meg RAM, 1(1.44MB)FD, 40 Meg Hard Drive, Kbd \$1199 8555-061 80386SX/16, 2 Meg RAM, 1(1.44MB)FD, 60 Meg Hard Drive, Kbd Note: The 8555 is a 386 S/X 16 Mhz Desktop MICROCHANNEL Bus Machine having 3 Slots





\$ 649 8560-041 10 MHz 80286-8 2 Meg RAM, 1(1.44MB)FD, 44 Meg Hard Drive, Kbd \$779 8560-071 36-0 855557, 2 Meg RAM, 1(1.44MB)FD, 70 Meg Hard Drive, Kbd Note: The 8560 is a 286 or AT Type computer with the MICROCHANNEL Buss Architecture having 3 Slots and a Vertical floor Standing case.

\$ 1049 8565-061 80386-16, 2 Meg RAM, 1(1.44MB)FD, 60 Meg Hard Drive, Kbd \$ 1169 8565-121 80386SX/16, 2 Meg RAM, 1(1.44MB)FD, 60 Meg Hard Drive, Kbd Note: The 8565 is a 286 or AT Type desk top style computer with the MICROCHANNEL Buss Architecture having 3 expansion Slots.

\$ 1379 8570-E61 80386-16, 2 Meg RAM, 1(1.44MB)FD, 60 Meg Hard Drive, Kbd \$ 1579 8570-061 80386-20, 2 Meg RAM, 1(1.44MB)FD, 60 Meg Hard Drive, Kbd \$1779 8570-121 80386-20, 2 Meg RAM, 1(1.44MB)FD, 120 Meg Hard Drive, Kbd Note: The 8570 is a 386 Type desk top style computer with the MICROCHANNEL Bus Architecture having 3 expansion Slots.

\$ 1529 8580-041 80386-16, 1 Meg RAM, 1(1.44MB)FD, 44 Meg Hard Drive, Kbd

\$ 1679 8580-071 80386-25, 2 Meg RAM, 1(1.44MB)FD, 70 Meg Hard Drive, Kbd \$ 2479 8580-111 80386-20, 2 Meg RAM, 1(1.44MB)FD, 115 Meg Hard Drive, Kbd \$ 2979 8580-311 80386-20, 2 Meg RAM, 1(1.44MB)FD, 315 Meg Hard Drive, Kbd Note: The 8580 is a 386 Type vertical standing style computer with the MICROCHANNEL Bus Archiecture having 7 expansion Slots.



#### **TANDY**

\$ 59

Model 3 2(180K)FD "Not Working" \$ 199 Model 100 Notebook 32K RAM, 128K Bubble Mrmory, Built in Word Processor, Scheduler, Address Keeper, BASIC & Telacommunications. See the full page on description of this unique computer. (Shown Above) \$ 395 Model 600 Laptop \$ 99 Model 1000 Desktop 8086, 256K RAM, 1 (360K)FD, Kbd, CGA Video (No Monitor)

#### TOSHIBA LAP TOP

\$ 549 T1200H 8088-10, 1 Meg RAM, 1(720K)FD, 20 Meg Hard Drive, LCD Screen, Serial, Parallel, CGA Video Output, and 2400 Baud Modem

#### **MISCELLANEOUS**

\$ 299

\$349

Compatible XT 640K, 1(360K)FD, 20Meg HD, Kbd and, Monochrome Monitor

Compatible AT 640K, 1(360K)FD, 20 Meg HD, Kbd Color CGA Monitor

**WISE PC-3216,** 386CPU, 16Mhz 1Meg, 1(1.2Mb)FD, Ser/Par, Kbd - Like New

#### Notice:

Our stock of used computers varies constantly so call if you have some specific request.

\* Computers listed herein are subject to availability. The price may change without notice. Due to the extensive variation of computer models and types some items may not be stocked at all times in which case we will try to locate for you the specific model you need as a special order.

#### PC Inside UPGRADE

If you own an IBM PC/XT or PC/AT or an IBM compatible computer we can upgrade the System board to a 386 DX 40 Mhz type and use many of the existing parts for a SUPER increase in performance enabling use of larger more complex DOS programs and the much acclaimed Microsoft Windows operating system

Cost \$ 279 for New System Board - Installed in vour computer. (Without RAM) RAM Prices vary from time to time so call for an exact quotation when you are ready to upgrade (Minimum of 1 Meg Required for operation 4 Meg Minimum recommended for use of Microsoft Windows )

Shipping to and from our location is not included. Depending upon your specific computer some other parts may be needed to ackomplish the upgrade.





## Used, Demo and Refurbished Monitors

MONOCHROME		COLOR MONITOR	S
White, Amber & Green Screen Co	olors	CGA, EGA, PGA, & VGA	1
AMDEK 300A or G	\$ 65	AT&T 318	\$ 179
APPLE II	\$ 125	EGA Color for AT&T Computers	
APPLE III	\$ 75	AT&T 319 & 329	\$ CALL
APPLE Hc	\$ CALL	AMDEK 350 Hi Res EGA+	\$ 349
AT&T 313 Green "Used"	\$ 95	AMDEK 622 EGA	\$ 199
COMPAQ DSM Green "Used"	\$ 49	IBM 4863 CGA for the PCjr	\$ 169
COMPAQ DSM Amber "Used"	\$ 49	(plug compatible to PCjr & Convertible)	
COMPAQ DSM Amber "NEW"	\$ 99	IBM 5145 13" CGA Color"NEW"	\$ 109
COMPAQ Portable computer		(plug compatible to PCjr & Convertible)	
Monitor Assy 9" Green "NEW"	\$ 149	IBM 5145 13" CGA "NEW" (with 9-Pin Connector permitting use on	\$ 129
4	V MAN	computers with 9-pin CGA Video outout suc	h
IBM 5144 9" Green "NEW"		as older PC's & many laptop computers.)	**
Composite Input (RCA Phono Jack) N		IBM 5154 EGA	\$ 299
the IBM Convertible but usable on the		(same with some screen burn)	\$ 199
Apple II series and Compatibles, Many	y Laptop	IBM 5154 Tempest EGA	\$ 599
Computers and Regular PC's with the	composite	"SPY Proof" is extensively shielded	,
output. May be used for any NTSC vid	deo	IBM 5175 PGA	\$ 399
application.	\$44	(PGA is Professional Graphics Adapter and i	t is
IBM 5151 Green TTL	9 59	supported by some older high resolution soft	ware)
(same with slight screen burn)	\$ 25	IBM PGA Video Card	<b>\$</b> 129
IBM 5151 Tempest "SPY Proof"	\$ 159	5175 Monitor & Card together	<b>\$ 499</b>
IBM 5155 Portable computer		IBM 5175 Modified to VGA	\$ 199
Monitor Assy 9" Amber	\$ 99		16
IBM 4707 9" VGA, White	\$ CALL	IBM 8512 VGA \$\	7 19-169
IBM 8503 12" VGA, White	\$ 125	14", .31 Dot Pitch, 600X800 Res	
(same with slight screen burn)	\$ 69	IBM 8513 VGA GADX48D	\$ 199
Tilt & Swivel Base for 8503, Add	\$ 9	12", .28 Dot Pitch, 1014N768 Res IBM 8514 VGA	\$ CALL
MONITERM Viking VY-1000 19"	\$ 489	16", .28 dot Pitch, 1024X768 Res	,
Superb for desk top publishing use, B		Tilt & Swivel Base is not included for	
White screen includes Special Video C		8512 Add \$ 19 for 8513 Add \$ 9 for	8514 \$ 45
MISC Brands TTL Monochrome		K-	
Green or Amber	\$ 49	MISCELLANEOUS Brands	\$ CALL
MISC Brands VGA Monochrome	\$ 89	our stock of used & reconditioed	•
QUADRANT Amber or white	\$ 89	CGA, EGA, & VGA Monitors varies	constantly
SAMSUNG 12" Amber	\$ 49	Please callfor availability on items you	want.
SAMSUNG 12" Green	\$ 49		
TELEX TIL Green	\$ 49	Notice:	
	4 77	All monitors are used and recondition	ed unless
TERMINALS		noted. Our stock is limited to items on	hand.
	4.00	Some Items are out of stock but are av	
WYSE 50 Terminal, Kbd	\$ 199	on short notice - Call for information,	
WYSE 60 Terminal, Kbd	\$ 249		

# Brand New - Low Cost GENUINE IBM MONITORS!

We have a large quantity of New - In - The - Box genuine IBM monitors.

Choose from a Color Graphics (CGA) Monitor, or

Composite Monochrome monitor at our special sale prices!



Color Graphics (CGA) Monitor was originally made for the IBM PC Convertible laptop computer. The signal cable plugs directly into a Convertible CRT adapter or a PCir.

Display is standard CGA colors, resolution is 320X200, screen is a 14-inch diagonal with a 3-position tilt base.

Available with a standard 9-pin CGA male D-shell connector for use with other IBM or compatible computers with a standard CGA output. Note the prices below.

# IBM 5145 CGA Monitor\* \$ 109 (\*Includes Instructions for 9-pin modification - soldering required!) Monitor with 9-pin Modification \$ 129

A green phosphur Monochrome Monitor with a composite type input. It has a very readable 9-inch diagonal screen, and is mounted on a pedestal with tilt adjustment.

Included is a removable anti-glare shield and a shielded RCA male-to-male cable for connecting it to a composite video source, such as the one found on the Convertible CRT Adapter, the PCJr, and many lap top computers.

# AND STANDON SHOTH OF

# IBM 5144 Monitor \$ 59

CGA video card with both the 9-Pin CGA output and the RCA Phono Jack composite output are available for \$ 35





## **Used, Demo and Refurbished Printers**

### DOT MATRIX

Impact Typ	e Printers
30	S

AMT 2030 \$ 389
18 Pin High Quality, Wide Carriage, Heavy Duty,
Color Printer - Plotter Emulates Epson, NEC, Diablo,
and and the IBM 5182.
EPSON FX-286e \$ 255

240 CPS & NLQ wide carriage 9 pin, (Sheetfeeder Available for only \$ 39)

#### IBM

IBM 5152 Graphics	\$ 129
narrow carriage, 80 cps excellent for	graphics
& labels widely supported by software	
IBM 5181 Compact	\$ 99
1200 Baud serial, very quiet thermal	opera-
tion, Uses FAX Paper	315
IBM 5182 Color	\$ 199
wide carriage, heavy duty, 200 cps draft, 35 cp	
COLOR or black & white good with Lotus Fr	
PC Paintbrush (auto switching 110 - 220 volt p	ower)
( originat \$ 1995)	

IBM 5182 Color	9-199
wide carriage, heavy duty, 200 cps draft, 35 c	ps NLQ,
COLOR or black & white good with Lotus F	
PC Paintbrush (auto switching 110 - 220 volt	power)
( orig cost \$ 1995)	
IBM 4201 ProPrinter I	\$ 159
narrow carriage, 180 cps	
IBM ProPrinter XL	\$ 249
wide carriage, 180 cps	
IBM ProPrinter II	\$ 239
narrow carriage, 240 cps, NLQ	
IBM ProPrinter III	\$ 399
narrow carriage, 320 cps draft, 65cps	NLQ
IBM ProPrinter 3XL	\$ 339
wide carriage, 320 cps draft, 65 cps N	LQ
IBM ProPrinter XL24E	\$ 469
wide carriage, 24 pin, 288cps draft, 96	cps NLQ
IBM ProPrinter Serial Option Kit	\$ 45
Changes Parallel Input to Serial In	put
IBM Quietwriter I 4202-001	\$ 195
IBM Quietwriter II 4202-002	\$ 249
True Letter Quality, up to 60 cps,	·
tractor & sheetfeeder available	
IBM Quietwriter III	\$ 389
Letter quality & very "Quiet" 274 cps draft, 1	
tractor, sheet and envelope feeder available	

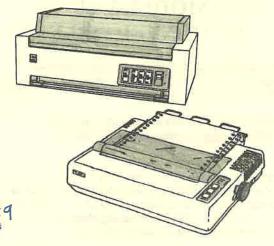
Narrow carriage with positive flow Air Filter system to

**IBM Solution Pack** 

IBM 5533 Industrial

4202 with special software

keep printer clean in dirty environments.



OKIDATA	
Okidata 84/Parallel	\$ 249
wide carriage, 220 cps	
Okidata 182/IBM Parallel	\$ 149
narrow carriage 180 cps	
Okidata 182/IBM Serial	\$ 199
narrow carriage 180 cps	
Okidata 182 TURBO /IBM Parallel	\$ 199
narrow carriage, 240 cps, NLQ, "NEW"	
Okidata 193	\$ 195
wide carriage, 180 cps	
Okidata 393 & 393/Plus	\$ CALL
Okidata 2350/OKI Parallel	\$ 479
Okidata 2350/IBM Parallel	\$ 579
Okidata 2410/OKI Parallel	\$ 479
Okidata 2410/IBM Parallel	\$ 579
For Serial Option on either the Okidata	1
2350 or 2410 add \$ 90	
wide carriage, very heavy duty, 420 cps d	raft, NLQ,
will print 8 part carbon paper	
Okidata 320 & 321	\$ CALL

Star Rainbow NEW \$ 199
9 pin, narrow carriage, prints in 7 colors,
paper park feature, 144 cps draft, 34cps NLQ

\$ CALL

Okidata 390 & 391

#### Used, Demo and refurbished Printers

"TEMPEST SPY Proof"	
ITC-T20 (Diablo 630)	\$ 249
with 9 pin dot matrix print head	
ITC-T30 (MPI 350)	\$ 249
ITC-T50 (AMT 2030)	\$ 389
Cold War Surplus - Printers	
extensive EMI Shielding	
Ti 810 Basic	\$ 269

Ti 810 Basic	\$	269
wide carriage, heavy duty		
Toshiba P351C	\$	479
wide carriage, 240 cps draft,	NLQ, color o	ption
Toshiba P351/SX		569
wide carriage, 260 cps draft,	NLQ,	
built in fonts,		
Toshiba P351/SX Optional	Macintosh int	ег-
face kit available	\$	39

Continued	
TANDY LP-5	\$ 129
wide carriage for Tandy Computers	
TANDY DMP-105	\$ 59
narrow carriage for Tandy Model 100	
or IBM computers with software driver	
TANDY DMP-400	\$ 159
wide carriage for Tandy Computers	

MISCELLANEOUS BRANDS	CALL
9 Pin, 18 Pin & 24 Pin -	
We allays have something that is no	t listed he
so don't hesitate to call	

#### LASER PRINTERS

HP Laser Series I		\$ 449
HP Laser Series II	\$	CALL
HP Laser Series IID	\$	1695
HP Laser Series III	\$	CALL
HP Laser Printer Font Cartridges	\$	39
CALL for availability on the specific	for	nt
cartridge you need		

IBM 4216-020 \$ 999
NEW, Requires interface card for both the
Computer & Printer and driver Software
(Not Supplied)

TI 2015	\$ 84
15 Page per Minute, 2 paper trays,	Emulates
HP Laser Jet, Diablo 630, Ti 855, &	

# DAISYWHEEL True Letter Quality

Amdek 3050 New	\$ 299
17 cps, "Quantity Available"	
Diablo 630	\$ 199
wide carriage, heavy duty, Parallel,	
API, or Serial Input	
(Sheetfeeders Available, See List or	\$ CALL)
NEC 3550	\$ 249
wide carriage, 35 cps	
TRS-80 DW-II	\$ 199
TRS-80 DW-IIB	\$ 239
wide carriage, 35 cps, heavy duty ope	eration
(Sheetfeeders Available \$ 69)	P.

SOUND HOOD

New \$ 49

with fan, large enough to hold most wide carriage
dot matrix & daisywheel printers with sheetfeeder
(Large but not Heavy can not be shipped by UPS)

IBM 5218 Convenience Pack \$ 39 cable & software to use the IBM 5218-003 "Displaywriter Printer" on an IBM type Personal computer (will NOT work on the 001 or 002 models)

Note: Most wide carriage printers are heavy thus shipping by UPS or Federal Express necessitates adequate packing. We pack all printers for shipment in containers sufficient to withstand shipment. Oki 2410 & 2350 printers are too large to be shipped by UPS.

#### JUST ASK

Our stock of printers varies constantly. If you have a need contact us we may have what you are looking for even though it is not listed here.



\$ 575

\$ 275



### TRACTORS AND SHEETFEEDERS

### WIDE SELECTION - FOR POPULAR PRINTERS

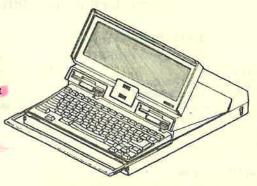
Some for Old Models - Some for New Models - Priced Below Wholsale If You do not see what you need - Call us we may have it or can get it

ALPS		OKIDATA	
P2000 Single Bin Sheet Feeders	\$ 79	Roll Paper Stand for ML 82	\$ 10
Din II	•	Roll Paper Stand for ML 182	\$ 10
BROTHER		230 Easy Feed Single Bin S/F for ML 93	\$ 79
Sheetfeeder for the Brother or Comrex HR-15	\$ 49	CSF 1000 Sheetfeeder for ML292/293	\$ 175
Tractor for Brother HR-15	\$ 59	CSF 3800 Sheetfeeder for ML 380	\$ 49
Tractor for Brother Tik-13	<b>4</b> 39	CSF 3001 Sheetfeeder for ML 393	\$ 375
С.ІТОН		Tractor for 100 Series	\$ 39
	<b>*</b> (0	Tractor for ML 321/391	\$ 59
T-UDC Uni-Directional Tractor for C-815	\$ 69	Tractor for ML 393	\$ 59
T-BDC Bi-Directional Tractor for C-815	\$ 99	Tractor for INLE 575	<b>4</b> 37
SAF552 Dual Bin Sheetfeeder for D10/F10	\$ 249	PANASONIC	
CITIZEN		3131 Bi-Directional Tractor for KX-P21	\$ 39
MSP 15 Single Bin Sheetfeeder	\$ 39		
MSP 10/20 Single Bin S/F for Model 120D	\$ 39	QUME	
M 316 Dual Bin S/F for Premier 35	\$ 59	SPRINT 3 Tractor (Used)	\$ 59
M 510 Ball Dill Of Tollion 55	<b>4</b> 37	840009-01 Bi-Directional Tractor	\$ 39
DATA PRODUCTS		Power Supply for Qume Sprint 3	\$ 29
DP55 Tractor for DP-55	\$ 59	2 on or pupply for Quine opinio	<b>+</b> -/
DE33 Tractor for DE-33	<b>3</b> 39	SEKOSHA	
DIABLO		BP-CSF Dual Bin sheetfeed for BP-5420	\$ 175
DIABLO	4 400	Same as EPSON 4201 and Comrex 420	<b># 173</b>
F32 Dual Bin Sheetfeeder for Diablo 630	\$ 129	Same as El SON 4201 and Confect 420	
F21 Dual Bin S/F for Diablo 620	\$ 129	SILVER REED	
EDGOV		CSF-131 Single Bin S/F for EXP 600/800	\$ 69
EPSON		C3F-131 3111gle Bill 3/F 101 EAF 000/600	<b>3</b> 09
7330 S/F	\$ 69	CITI A TO	
Single-bin S/f for LQ-1500	\$ 79	STAR	
7334 Single Bin Sheetfeeder	\$ 39	Single Bin Sheetfeeder for SR-10/15	\$ 49
8300 Tractor for FX-80	\$ 39	SF-10D Single Bin Sheetfeeder for SR-10	\$ 49
8333 Single Bin S/F for FX-100/100+	\$ 39		
8338 Single Bin S/F for LX 80/90	\$ 39	TANDY	
		26-1477 Dual Bin Sheetfeeder for DW-510	\$ 99
IBM		26- Single Bin Sheetfeeder for DW-II, 11/B,	\$ 29
1341091 Tractor for Quietwriter I or II	\$ 39	Also Fits Rico 1300 & 1600 and others	
6373100 Single Bin Sheet feeder for		26- Unidirectional Tractor for DWP-410	\$ 29
Quietwriter I or II (Used)	\$ 99		
1479620 Envelope Feder for Quietwriter I or II	\$ 179	TOSHIBA	
Single Bin Sheet Feeder for		TRF1555AZZ UniDi Tractor for P 351/341	\$ 169
Quietwriter III	\$ 180	MS25 Single Bin Demand S/F for P 351/341	\$ 225
Dual Bin Sheet Feeder for		MS15 Single Bin Sheetfeeder for P 321	\$ 199
Quietwriter III	\$ 245	MD25 Second Bin Option for MS25 S/F	\$ 99
Envelope Option Feeder for Quietwriter 1	111	Used on P351/341 Printer	
(Requires Either Sheet Feeder Option)	\$ 95	ASF2556AZZ0 Electronic S/F for P351/341	\$ 249
799478 Paper Tray for Laser Printer	\$ 19	TRF2556AZZ Bi-Di Tractor for P351/341	\$ 179
Single Bin S/F for Proprinter 1	\$ 79	TRF1251AZZ01 Unidirectional Tractor for P321	\$ 79
Single Bin S/F for XL 24	\$ 129	ME27 Dual Bin Sheetfeeder for P351SX	\$ 329
Paper Catch Rack for 5182 Color Printer	\$ 19	EXA1133ZAZZ Color Upgrade Kit for P351SX	\$ 129

# IBM MODEL 5140 PC CONVERTIBLE

The technological laptop pioneer of the 1980's. First IBM laptop computer made with surface mount technology components.

The first computer made small enough to be comfortably carried by business people and students.



Features: 8088 processor, two 720K 3.5 floppy disk drives, LCD display screen, RAM memory of 256K to maximum of 640K, Internal Battery, AC adapter (110 volts or 220 volts). An optional attachable Printer mounts on to the computer and uses ribbons or thermal paper. An optional CRT Adapter provides outputs for CGA & Monochrome monitors or a TV. An optional Serial / Parallel Attachment provides one serial port and one parallel port.

Model 5140-002

Used \$ 349

512K RAM Memory - Enhanced LCD Battery - AC adapter - Convertible Printer and Carrying Case. DOS is not included.

Model 5140-003

New \$ 695

256K RAM Memory - Backlit LCD - Battery - AC Adapter - New and in the original box. DOS is not included.

## CONVERTIBLE LCD SCREENS

Standard LCD: \$20

The lowest quality LCD screen used on the model 5140 computer. The screen appears solid dark charcoal grey when contrast is turned to the maximum.

Enhanced LCD: \$79

The medium quality LCD screen used on the model 5140 computer. The screen appears solid bluish purple when the contrast is turned to the maximum. A supertwist LCD screen with a 5:1 dark to light ratio.

Backlit LCD: \$ CALL

The highest quality LCD screen for the 5140 computer. The screen has a bluish-silver light when in use and has two slide controls. Due to additional power needs an enhanced internal power supply is required for proper operation.

#### HOW TO ORDER

(214) 276-8072

Normal Business Hours - Central Time Zone

Monday - Saturday

FAX: (214) 272-7920 Anytime Any Day or Night

- Catalog Reguests

- Order Forms for Orders to be Sent COD

- School & Government Purchase Orders

Payment:

Prepayment in U.S. Funds

COD by United Parcel Service with Payment By Cash,

Money Order or Certified Funds

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Personal & Other Checks are Held 10 Working Days

Before Shipment of the Goods

Payment by Cashiers Check, Money Order, Certified Funds or Electronic Transfer Will Assure Immediate

Shipment

Shipment: -

We ship by United Parcel Service, U.S. Post Office Federal Express, Air Freight, or common carrier at

our choice. You must make special arrangements for

a carrier of your choice.

WARRANTIES:

Modem slot control card and cable - 1 YEAR

2nd Disk drive and power supply - 90 DAYS

Jr HOTSHOT control card and cable - 2 YEARS

Connecting Cables-ribbon or power - 1 year

(except for cable cuts due to mishandling) Replacement disk Drives

6 Months 6 Months

IBM Brand Disk Drives Racore Products (manufacturers)

- 1 Year

Keyboards

- 6 Months

Hard Drives Systems Drive Only -1 Year

Supporting System - 90 Days

Repair Service & Parts

(when Service Performed in our Shop) 60 Days

Used & Demo Products 5 Day DOA

( repair or replace at our option )

Modems, Mice and Some Other Products We Sell are subject to their own Manufacturers Warranty this will vary upon that specific company and will be handled

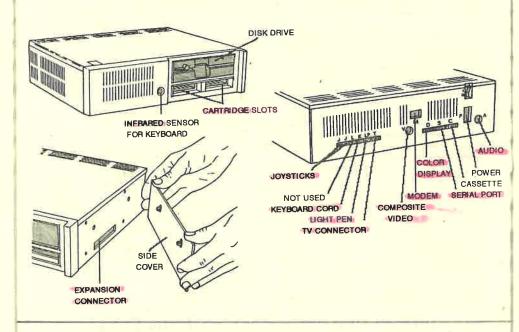
directly by that Manufacturer.

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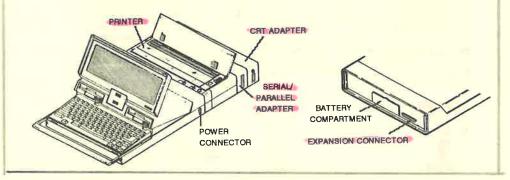




# PCjr PARTS AND PORTS



# PC CONVERTIBLE PARTS AND PORTS



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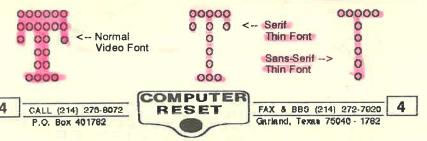
# HOW TO TELL IF YOU CAN USE THE NEC V-20 CHIP OR THE JrHOTSHOT

In order to use the NEC V-20 to replace the 8088 chip in your computer, the 8088 PWR SUP must be installed in a socket so that it can be removed. The same is true of the irHotshot memory expansion. While most PCjr computers will have a socket, the last units to be produced by IBM did not, so 101 you need to check your computer before ordering either of these products. Of course VID Roll if your 8088 is soldered down, we can install a socket for you for \$45, plus return shipping (see pages 14-15). To check your PCir, remove the top cover by snapping it loose from the case along the rear edge (if it is very tight, a flat-head screwdriver inserted in one of the three slots along the back will help pry it loose). Compare the inside of your PCir with the diagram shown. You will need to locate the VIDEO ROM chip which is directly behind (and partially under) the INFRA-RED RECEIVER module. Look at this chip closely. and compare it to the drawing to the right. If it looks like it is sitting higher than the smaller chips around it, as shown, it is socketed. If it is sitting at the same height as the others, it is soldered and you will need to have a socket Installed.

## PCjr VIDEO ROM: NORMAL vs THIN FONT

The video ROM in the PCjr displays characters made up of tiny dots of light. If you look closely at the screen, you will see that the lines which make up the text characters are two dots thick (see illustration below). This is the normal way for the VIDEO ROM to work. The Thin Font ROM, however, changes this so that the lines which make up the text characters are only one dot wide, thus making them appear sharper. There are two versions of the Thin Font ROM available, one which has characters in a Serif font, similar to the normal characters, and a dual chip which can be switched to Sans-Serif for a clean, high-tech look.

Thin Font ROM Chip \$19



# jrHotshot MULTI-FUNCTION UPGRADES

256K OR 512K jrHOTSHOT FAST MEMORY PLUG-INS

Adds fast, contiguous memory at addresses 129K and above. Fast Memory increases the PCjr performance to the level of a PC/XT as proven by the speed measurement program sent along on a diskette. If you have a 128K PCjr, the 512K pluging ives you contiguous memory from 0-640K, or with the 256K upgrade you'll have contiguous memory from 0-384K. No additional power supply is needed.

Simple "device driver" software supplied with the upgrade should be copied once onto your DOS diskette so the Fast Memory is instantly recognized whenever you boot up your PCjr. The driver works elegantly and transparently. This software also gives your PCjr an 80-column screen immediately. It's easy, especially since everything is fully explained with illustrated directions.

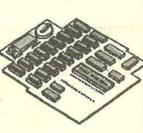
#### 2nd DRIVE CONTROLLER OPTION

You can have this useful Controller plug-in as an option to any jri-lotshot Fast Memory. With this option a second floppy disk drive can be added to your PCjr. This board will control either a 5-1/4" 360K disk drive or a 3-1/2" 720K disk drive (DOS 3.2 or later is required for 720K drives). This option includes the signal cable which interfaces the existing drive to a second external drive, and software that allows DOS to recognize the second drive.



#### REAL-TIME CLOCK/CALENDAR OPTION

This is a super clock/calendar option to the jrHotshot Fast Memory. This option conveniently date and time stamps your files when saved, which makes them easier to identify later. Has the best clock chip possible that stays accurate even through leap years. A long-life lithium battery keeps the time accurate, even when the computer is off, and the battery holder has a clip that allows easy replacement. With the software provided, setting the time is simple, and the PCjr will automatically read the date and time when switched on.



5

Included with all jrHotshot Fast Memory plug-ine is a disk of Utility Programs, including an adjustable RAM disk program. This allows you to use some of the jrHotshot memory as if you had another drive.

jrHotshot Fast Memory Board with no memory chips installed (you supply 8 or 16 256K chips)

\$ 125
jrHotshot Fast Memory Board with 256K of memory

| FiHotshot Fast Memory Board with 512K of memory
| jrHotshot Fast Memory with Second Disk Drive Controller and Cable
| jrHotshot Fast Memory with Real-Time Clock/Calender | Add \$35 to above prices
| jrHotshot Fast Memory with Second Drive Disk Controller, Cable, and Clock | Add \$70 to above prices

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COMPUTER

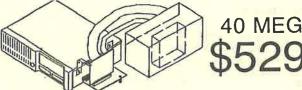
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P.O. Box 461782

# PCir HARD DRIVES

These hard drives for the PCir are available in 20 or 40 meg capacities. The drives are self-booting, unlike some which require a special cartridge or booting from a floppy disk. The controller interfaces to the PCjr through a special buss card slot adapter which connects to the expansion connector on the PCjr. The drive and controller are XT compatible, which means that you can use them in a PC-XT computer - just remove a jumper on the controller and install in a PC-XT or compatible computer! These drives are pre-formatted and come with everything you need to connect them to your Jr. PLEASE give us a description of your system when ordering so that we can set up the drive properly, as well as give you any other information that you may need to connect to your system. NOTE: In order to use these hard drives with the Racore Drive II Plus with DMA, the DMA feature of your system will have to be disabled, which is not included! Also, some clock circuits in a few of the PCir expansions will have to be disabled or changed.





# PCjr NETWORKING

There are three ways to connect a PCir to a computer network. They are:

- 1. IBM Cluster Attachment connected to an IBM Cluster Network.
- 2. IBM Cluster Attachment connected to a Novell Network.
- 3. Synectics Enhanced Second Serial Port connected to Imodes \$ 25 Network.

We offer the IBM Cluster Attachment for \$95, and the Synectics Enhanced Second Serial Port for \$69.

We occasionally come across the software and other hardware needed for networking the PCjr. Call for availability and prices!

# SECOND DRIVES FOR THE PCir

An IBM PCjr can operate either the conventional 5-1/4" 360K disk drives or the newer 3-1/2" 720K disk drives (DOS 3.2 or later is required for the 720K drives; DOS not included).

MODEM SLOT DISK DRIVE CONTROL CARD This card plugs into the computer internal modem slot and connects to the existing disk drive control card by the cable originally used for the internal disk drive. This type drive controller is recommended for PCjrs where the internal modern slot is not being used by a modern. An external modern can then be used with the computer by attaching it with the IBM Adapter Cable for Serial Devices (sold seperately).

INHOTSHOT DISK DRIVE CONTROL CARD This auxiliary card fits below the existing disk drive and plugs into the 8088 microprocessor chip socket. The 8088 is in turn plugged into this card (the 8088 can be replaced with the NEC y-20 to speed up the PCir's operation by about 20% for some operations). This type drive controller is recommended for PCjr computers where the internal modern slot is being used by a modem.

#### FEATURES OF SECOND DRIVE SYSTEMS:

- \* 5-1/4" or 3-1/2" drive is mounted in a stand-alone cabinet. The 5-1/4" drive cabinet contains its own power supply; the 3-1/2" drive uses a power-sharing cable which draws power from the PCjr.
- \* Connecting signal cable joins the auxiliary control card to the existing internal disk drive and to the new second drive. A slot in the PCjr case is used to pass this ribbon cable from the computer to the second disk drive.
- \* Enabling software contains files to configure your DOS boot disk for recognition of the second drive.
- \* Compatibility with all side-mounted memory products, such as those manufactured by IBM, AST, Tecmar, Quadram, Microsoft, and Impulse.
- \* If you have a Quadram, Rapport, or Racore Expansion Chassis which adds a second drive to your PCjr, we can replace one or both drives with a 3-1/2" drive. See our PCjr Service secion for details!

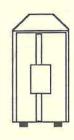
#### MODEM SLOT SYSTEM



5-1/4" 360K Second Disk Drive System (see description above) 3-1/2" 720K Second Disk Drive System (DOS 3.20 required - not Included) \$ 199 Modern Slot Kit includes controller, cable, and software (no drive) \$ 49

#### INHOTSHOT SYSTEM

5-1/4" 360K Second Disk Drive System (see description above) 3-1/2" 720K Second Disk Drive System (DOS 3.20 required - not included) \$ 245 irHotshot Kit includes controller board, cable, and software (no drive) \$ 79



#### DISK DRIVES WITH CABINET

(No controller, signal cable, or enabling software)

For those who already own a second drive controller and cable, or for the "do-it-yourself" user.

3-1/2" 720K Drive mounted in a low-profile cabinet with power-sharing cable

5-1/4" 360K Drive mounted in a vertical-standing cabinet with power supply

\$ 165 \$ 155

\$ 234

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COMPUTER RESET

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# Genuine IBM Accessories for the PCir

#### ADAPTER CABLE FOR SERIAL DEVICES

Converts Jr. serial port to a standard 25-pin RS-232 male connector. Allows use of a serial mouse or external modem with the PCir. \$20



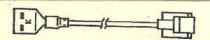
#### **COLOR DISPLAY ADAPTER**

Converts Jr. display port to a standard 9-pin D-shell connector. Allows use of IBM compatible CGA monitors with the PCir.



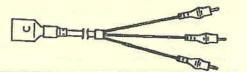
#### **KEYBOARD CORD**

Allows use of the Jr. keyboard without batteries.



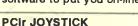
#### ADAPTER CABLE FOR CASSETTE

Used with a cassette tape recorder for storing BASIC programs. Can be converted to a joystick adapter (instructions included - soldering skills required!).

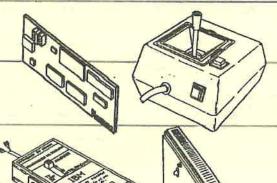


#### INTERNAL MODEM

The 300 baud modem made just for the Jr. includes Jr-Tele Shareware software to put you on-line.



This game controller plugs directly into either one of the two joystick ports on the rear of the Jr.

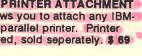


#### CONNECTOR FOR TV

RF modulator allows you to connect your Jr. to a television set. Those great Jr. graphics and sound both come through!

PARALLEL PRINTER ATTACHMENT

Sidecar allows you to attach any IBMcompatible parallel printer. Printer cable required, sold seperately. \$ 69





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COMPUTER RESET

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\$ 45

#### SPEECH ATTACHMENT

Gives the PCir the ability to speak with the proper software, such as the IBM Wiriting to Read series. Also digitize speech with a microphone (not included). Includes a demo program (Cartridge BASIC required) that can be adapted to your own BASIC programs. \$ 109

#### **CLUSTER ATTACHMENT**

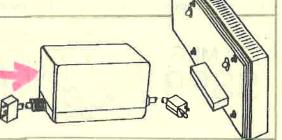
Allows use of a PCir computer in a network.

#### 128K MEMORY EXPANSION

Adds 128K of memory to PCjr; four of these can be combined to give the computer up to 640K. \$ 175

#### POWER EXPANSION ATTACHMENT

Provides additional power to the PCjr expansion bus. Required if you are using more than two sidecars. Package includes sidecar and power transformer.



#### CARRYING CASE

Handy for transporting your PCjr computer. Has space for the CPU with up to 3 sidecars attached, the keyboard, power transformer, TV connector, and keyboard cord, as well as compartments for disks and cartridges.



OTHER ACCESSORIES (not shown)

**ENHANCED KEYBOARD** \$ 55

CHICLET KEYBOARD \$ 19

CHICLET KEYBOARD OVERLAYS Package of 5

POWER TRANSFORMER

**REAR PORT FRAMES** Help prevent bent or broken pinsl

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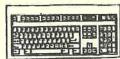
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# OTHER ACCESSORIES FOR PCir

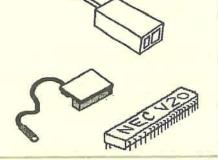
101 KEYBOARDS and ADAPTERS

These full-size keyboards are the Enhanced AT style similar to those used with the latest computers with Function Keys across the top, seperate numeric and arrow key pads, and indicator lights for Caps Lock, NumLock, and Scroll Lock. If you like using a regular PCjr keyboard now, you'll LOVE using one of thesel Prices include adapter for the PCir.



84/101 KEYBOARD ADAPTERS

Allows you to use 84 or 101 keyboards with the PCjr. The Racore adapter is external and plugs into the K and LP ports. It can use several of the major brands of keyboards, such as Chicony, Mitsumi, and Keytronics. The Synectics adapter is internal, replacing the Infrared Module inside the PCir. It can use a wider range of keyboards, and includes a keystroke buffer that gives "typeahead" capability even when the disk drive is reading or writing. NOTE: the 84 or 101 keyboards used with either adapter must be XT switchable. AT-only keyboards will NOT work! RACORE or SYNECTICS ADAPTER



NEC V-20 MICROPROCESSOR Replaces the 8088 chip in your PCjr. The V-20's improved design processes data about 20% faster, giving your PCir's speed a boost, and it draws less power from the power supply. Recommended for the irHotshot memory upgrades. NOTE: most PCir's have the 8088 in a socket, which makes it easily removeable. However, some will have this chip soldered directly to the motherboard. See our "How-To-Tell" section to examine your PCir. V-20 chip includes instruction sheet and speed test diskette.

PCIr MONITOR ADAPTER Allows you to use the PCir Color Display with other computers having an IBM CGA card or equivalent.

TECMAR IrSECOND MATE Has a parallel printer port and clock/calendar with replaceable battery. Includes software disk.

SIAMESE SLOTS Cartridge adapter allows you to plug two cartridges into one slot - great if you have the cartridge version of Lotus 123 or Electric Desk. \$ 30

QUICKSILVER CARTRIDGE Gives a really fast bootup to your PCir, especially if you have 640K memory! Also corrects some keyboard BIOS problems.

CARTRIDGE CLOCK

Gives your PCjr the convenience of a battery-backed clock/calendar. Includes software for setting the time and date in the cartridge, as well as in DOS when you boot your computer.

**KEYTRONICS NUMERIC KEYPAD** 

Adds the convenience of a seperate numeric keypad to the PCjr keyboard. Requires the the PCir Keyboard Cord (not included). \$ 39



SERIAL MOUSE PACKAGE

Not all mouse packages work with the PCjr, but ours do! Package includes the mouse with enabling software, and Dr. Halo III graphics software (actual style may differ from illustration - Serial Adapter included). \$ 79 MOUSE PACKAGE WITHOUT SERIAL ADAPTER MOUSE ONly -

300/1200/2400 BAUD EXTERNAL MODEM

This Hayes-compatible modern plugs into the Jr. Serial Port. Package includes Serial Adapter to connect it to your PCir, as well as Telix or QModem-Jr Share-\$149 ware software - please state memory size of computer when ordering! EXTERNAL MODEM ONLY - Serial Adapter and software not included \$129

SINGLE FONT VIDEO ROM CHIP

Makes text characters appear sharper on your screen by replacing the original character ROM chip. Does not affect graphics. Has serifed characters similar to \$ 19 the original, but made up of finer lines.

**DUAL FONT VIDEO ROM CHIP** 

\$ 29. Like the above, but has a jumper to select an alternate non-serifed font.

SYNECTICS SECOND SERIAL PORT

Installs in the Internal Modern Slot inside the PCjr, providing a second serial port for a mouse or modem. Includes standard 25-pin male connector. \$49

MONITOR TILT AND SWIVEL STAND

Allows you to adjust the angle of the PCjr monitor for more comfortable viewing. Tilts up and down, and swivels side to side, and locks into place. \$ 19

PROTOTYPE EXPANSION BOARD

For the experimenter or designer - Includes perforated PC board with tinned copper on one side and PCir buss connector (enclosure not included) \$ 45

SURGE PROTECTOR

Your first line of defense against power surges! Six outlets with an on/off switch allows you to turn your entire system on and off with a flip of the switch.

PARALLEL PRINTER CABLES

Attaches an IBM-compatible parallel printer to the PCjr Parallel Printer Attach-10' - \$ 21 12' - \$ 23 ment. Available in the following lengths: 6' - \$ 19

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#### PC COMPACT PRINTER ADAPTER

Allows using the PCjr thermal printer with a standard 25-pin serial port.

\$ 19

#### **NULL MODEM ADAPTER**

Sometimes needed when connecting a Serial printer to the PCjr.

\$ 6

#### **GENDER CHANGERS**

25-pin adapters for gender problems. Specify Male/Male or Female/Female. \$ 6

#### **SWITCH BOXES**

Allows connecting more than one device to a computer port, or more than one computer to one device. Available in the following configurations:

2 Position Serial/Parallel	- Switches all 25 lines.	DB25 female connectors.	\$ 25
----------------------------	--------------------------	-------------------------	-------

- 2 Position Parallel Switches all 36 lines. 36 pin Centronics connectors. \$ 30
- 2 Position X Switch Aa/Bb to Ab/Ba cross switches two computers and
- printers. Specify DB25 or 36 pin Centronics connectors. \$ 39
- 4 Position Serial/Parallel Switches all 25 lines. DB25 female connectors. \$ 55
- 4 Position Parallel Switches all 36 lines. 36 pin Centronics connectors. \$ 49

#### SERIAL EXTENSION CABLES

For connecting external devices to the PCjr Serial Adapter or to a Switch Box. To connect the Serial Adapter to a Switch Box, use a Male/Female cable; to connect a modem or mouse to a Switch Box, use a Male/Male.

E' MAI	E/MAIE -	Lines 1.	- A and	20 connected.

\$ 19

5' MALE/FEMALE - Lines 1 - 8 and 20 connected.

\$ 19

6' MALE/MALE - All 25 lines connected.

\$ 19



We are always anxious to learn about, promote, and acquire:

- NEW PCjr AND CONVERTIBLE PRODUCTS
- NEW USES FOR THESE COMPUTERS
- IDEAS AND DESIGNS FOR NEW PRODUCTS
- NEW SOFTWARE

Call, write, or FAX to the attention of the Resource Development Manager.

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# BARGIAN PAGE

This is our Collection of Clearence Stuff
Limited Quantities - Closeouts - Got to Be Good for Something

#### **AUTO BLASTER**



\$ 10

Amazing Little Box 3"x3"x1 1/2" Makes Noises Like a High Performance Car -Starting - Accelerating and Horn Honk Requires a 9 volt battery

KIDS LOVE IT !! Can be modified for use as an amplified

Speaker for use with a small radio
Soldering Required - Instructions Incl.

# IBM 512K to 2 Meg Memory

Expansion for the IBM AT, Expanded Memory, IBM PN: 6450343 \$ 125 with 512K

\_\_\_\_\_

10 NET Network Software Simple Pier to Pier Network

Software Only \$ 49

#### **IBM Communication Mgr**

A Perfectly Usless Program for todays Modems - BUT It's Brand New sealed package Includes 1 Disk, Binder & Slipcase

"Bargian" Only \$ 3

#### IBM Voice/Phone Assistant

Another Perfectly Useless Program in Todays Market - BUT it's Brand New Includes 1 Disk, Binder and Slipcase

"Bargian" Only \$ 3

#### **IBM PC/AT Case Bottom**

"Chassis" An origional IBM Part - NEW in the BOX - No Top, No Keylock, Unusual Find Only \$ 10

#### Commodore 64 & Vic-20

Parallel Printer Interface for the C-64, C-128 Computers to operate Epson compatible printers \$ 29

Used to operate many IEEE Interface devices printers Etc. \$ 10

VEX-6 VIC - 20 Six Slot Expander for connecting Multiple Cartridges \$ 10

Pistol Grip Joystick- Set of two \$ 10

MOBILE ATTACK game for VIC -20 \$ 2

#### MAGNETIC TAPE



USED HI Grade MEMOREX GEO-XL 2900' Roll Cheap \$ 2 roll Good for Audio or Computer uses



1 1/8" Ring Size \$ 2.49 Each \$ 2 Each in case lot of 28

1 3/4" Ring Size \$ 3.25 Each \$ 2.49 Each In Case of 20

[13]

13)

## **PCjr Service** and Parts

The prices listed below are for the exchange of parts in original and unserviced condition. Serviced or modified parts are subject to an additional 40% charge. Parts shipped in advance of receipt of bad parts require a 60% core charge to be refunded provided bad parts are received within 30 days.

External Power Transformer \* Internal Power Supply Card 64K Memory and Video Card Infrared Keyboard Receiver Enhanced PCir Keyboard \* Chiclet PCjr Keyboard \* PCjr Keyboard Repair Kit \* PCir Fan \* Disk Drive Controller Card IBM PCjr Replacement Drive \* Non-IBM Replacement Drive \* (above subject to availability) PCjr Logic Board \* PCir Logic Board 8088 Processor Chip \* Mouse Systems PCir Mouse Replacement Cord \* Tecmar | rCaptain Transformer \* Tecmar jr Captain Battery \* Microsoft Booster Battery \* irHotshot or Racore Battery \*

\* No exchange needed on this part

> if your 8088 processor is soldered down, we can Install a socket for you for \$45. This will allow you to use a NEC-V20 or [rHotshot!

#### **MEMORY EXPANSION SERVICE**

We can expand the memory capacity of a 128K side-mounted memory expansion to 512K, giving your system a total of 640K. Allow 15 workings days after we receive your unit.

IBM or TECMAR irCAPTAIN \$ 199

MICROSOFT irBOOSTER \$ 225

Our prices include memory chips, sockets, and labor.

If you own more than one 128K sidecar, you can trade in your working sidecar for a \$35 credit.

#### TANDY MODIFICATION

Allows you to run some software in 16 colors that ordinarily would be in only 4 colr CGA on the PCjr, such as Battle Chess and Zany Golf. Our price includes parts and labor (return shipping not included).

#### PCIr COMPUTERS & MONITORS

**NEW PCir Computer with** 128K, keyboard, and disk drive in original box.

\$ 299

**USED PCir Computer with** 128K, keyboard, disk drive.

USED PCir Color Display



14

Do you have a Quadram, Rapport, or Racore Expansion? We haven't forgotten you! Turn the page!

FAX & BBS (214) 272-7920

Garland, Texas 75046 - 1782

# **EXPANSION** SERVICE AND PARTS

RACORE / QUADRAM

Internal Power Supply Repair	\$ 69
Side Panel Repair	\$ 75
DMA Drive Controller Repair	\$ 75
Replacement Drive Cable	\$ 24
for using a 3-1/2" drive	
Replacement 720K 3-1/2" Drive	\$ 96
Cooling fan - Model 1500-1501	\$ 19
Setup software (specify model)	\$ 10
, , , , , , , , , , , , , , , , , , , ,	

#### **PCIr SERVICE PRICES**

Logic Board - Broken Pin Repair	\$ 45
Logic Board - Fault Repair	\$ 95
Logic Board - 8088 Socket	\$ 45
Installation	•
Logic Board - Tandy 16-color	\$ 39
modification	
Disk Drive - Clean & Align	\$ 55
(Most PC)r disk drives can be	
repaired, but some have broken	
or shorted read/write heads and	
are non-repairable. If a disk	
drive is not repairable, there is	
no service charge.)	
PCjr Monitor - Minor Repair	\$ 45
Typical symptoms:	
- no green light above switch	
- scrambled lines, not readable	
- constant vertical roll.	
PCjr Monitor - Major Repair	\$ 45
Typical symptoms:	to
- squealing noise at power up	\$129
<ul> <li>vertical white line on screen</li> </ul>	
<ul> <li>horizontal white line on screen</li> </ul>	

We can service many of the sidecar expansions. such as those made by Tecmar and Microsofti

- dropped; parts rattle inside.

#### SERVICE PROCEDURE

Bring or ship your computer to us with a complete description of the problem or the work you would like done. Typical turn-around time is two days to two weeks, depending on the repairs needed and our current work load.

We know the continued good health of your PCjr is important, so our technicians will use their years of experience and knowledge to repair it efficiently and expediently.

When equipment is shipped to us for repair, we determine the nature of the problem shortly after receipt and notify the customer of the cost of repairs by mail, FAX, or telephone for authorization to proceed.

#### SERVICE CHARGES

Minimum Service Charge \$ 45 Hourly Labor Rate \$ 60 Parts Costs - see previous pages Return Shipping - varies, depending upon equipment sent. Costs are quoted with repair charges. Repairs left over 60 days may be sold for the cost of repair charges against the articles.

What If you send something, and decide you don't want it fixed? No problem! We charge a \$ 25 dlagnostics fee if you decide to not have the repairs done, plus return shipping. Just let us know when we contact you with a repair quote that you do not want the repair done, and send the fee, plus shipping.

CALL (214) 276-8072

P.O. Box 461782



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**\$4.**5 \$ 69

\$ 69

\$ 55

\$ 55

\$19

\$ 25

\$19

\$ 79

\$125

\$ 96

\$199

\$ 95

\$10

\$15

\$ 19

\$ 8.50

\$10.50

\$ 4.50

## IBM Convertible Model 5140

138K MEMORY CARD

\$ 79

≥56K MEMORY CARD

\$225

384K MEMORY CARD (by STB)

\$295

NOTE: The Convertible normally has space for four memory cards. If you have 256K of RAM, you have two spaces filled. If you wish to get the maximum memory of 640K, you would need one each of the 128K and 256K cards, or if you have the Backlit LCD on your Convertible, you can use the 384K card made by STB Systems.

#### SERIAL-PARALLEL ADAPTER

Adds one Serial Port for using a mouse or external modem, and one Parallel Port for using an IBM-compatible printer. \$120

#### **CRT ADAPTER**

Allows connecting the Convertible Mono or CGA monitor, or the TV Connector. \$ 99

ADAPTER CABLE FOR COLOR DISPLAY

Allows connecting an IBM-compatible CGA monitor with 9-pin connector to the CRT Adapter above.

#### **CONNECTOR FOR TV**

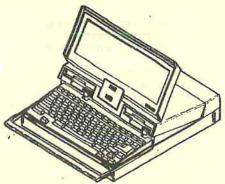
Allows connecting a television to the CRT Adapter above. \$ 19

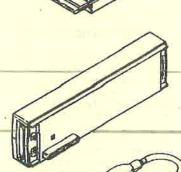
#### **IBM INTERNAL MODEM**

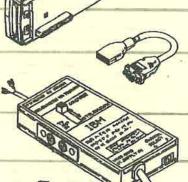
The original 1200 baud non-Haves compatible modem. Includes the 29 Shareware version of Procomm software set up for this modem. \$ 50

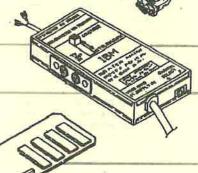
**IBM ENHANCED INTERNAL MODEM** 

Adds a 1200 baud Haves compatible modem to the Convertible.









CONVERTIBLE PRINTER Attachable printer uses thermal-transfer technology to print with a ribbon, or can print without a ribbon on thermal paper. Prints up to 40 characters per second with a 24 element print head. Comes complete with roll-paper holder and one ribbon REPLACEMENT RIBBON

PRINTER CABLE

Allows printer to be placed to one side instead of being attached to the rear. \$ 15

CONVERTIBLE COLOR DISPLAY 13-inch CGA color monitor. Requires the CRT Adapter. \$ 109

CONVERTIBLE MONOCHORME DISPLAY 9-inch composite monochrome monitor. Requires the CRT Adapter. \$ 59

**AUTOMOBILE POWER ADAPTER** 

Allows plugging the Convertible into a 12. volt cigartette lighter. CALL

**AC POWER ADAPTER** 

Allows plugginh the Convertible into a 110 volt AC outlet.

**BATTERY CHARGER** 

Charges the battery - saves wear and tear on your AC Adapter. \$ 23

REPLACEMENT BATTERY PACK

Non-IBM replacement battery pack. \$ 89

**IBM COMPACT CARRYING CASE** 

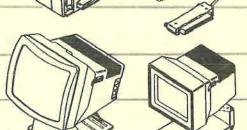
Has room for the Convertible inside, with a side pocket for accessories. \$ 39

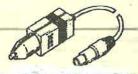
**IBM LARGE CARRYING CASE** 

Allows carrying the Convertible with the printer attached, and accessories.

LTI CARRYING CASE

A "generic" carrying case for laptops. including the Convertible.







TECHNICAL REFERENCE or HARDWARE MAINTENANCE & SERVICE MANUAL Very limited quantity! \$ 69 each

GENUINE IBM REPLACEMENT PARTS AVAILABLE!

We have many of the replacement parts for the Convertible, such as Disk Drives for \$155, and replacement case parts, too!

Call for availability!

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GALL (214) 276-8072 P.O. Box 461792



FAX & BBS (214) 272-7920 Garland, Texas 75046 - 1782

# IBM PC and PCir SOFTWARE

PRICES ARE LOWER THAN EVER and QUANTITIES ARE LIMITED! Don't delay! Orders are filled on a first-come, first-served basis!

IMPORTANT: PCir memory size is critical! Many titles will run on a 128K PCir, but software marked as follows have special considerations:

\* Requires 256K for PCir

- \*\* Requires 384K or more for PCir
- \*\*\* May not work on PCJr
- C Cartridge software for PCjr only

#### GAME SOFTWARE

MOUSER (C) Help the farmer rid his house of mice in this fast-action maze game. Ages 8 to adult. 6024087 (Joysticks optional) List \$ 27 NOW \$ 12

MINE SHAFT (C) Collect gems while avoiding the robot miners in this action game. Ages 10 to adult. 6024092 (Joysticks optional) List \$ 27 NOW \$ 12

KING'S QUEST I Gulde Sir Graham in search of treasures to restore the kingdom. Ages 10 to adult. 6024093 (Joysticks optional) List \$ 59 NOW \$ 19

ZYLL A text-only, role-playing adventure game in the realm of the evil sorcerer ZYLL. Ages 12 to adult. List \$ 29 NOW \$ 12 6024173

TRIVIA 101 Test your knowledge of the trivial. Play alone or against another player. Ages 16 to adult. 6024290 List \$ 27 NOW \$ 12

TV AND CINEMA 101 Test your TV and movie trivia knowledge, from Talkies to Trekkies! 6024291 List \$ 27 NOW \$ 12

TOUCHDOWN FOOTBALL Excellent sound and graphics for 1 or 2 players. Ages 12 & up. 6024295 List \$39 NOW \$12 (Need Joysticks)

PC POOL CHALLENGES Realistic pool game with many optional settings. Ages 12 to adult. 6024296 List \$ 39 NOW \$ 12

SHAMUS You are a 21st century detective in search of the Shadow. Ages 12 to adult. List \$ 29 NOW \$ 12 6024303

#### PERSONAL FINANCE

HOME BUDGET JR. Set up and maintain a household budget, and print reports. 6024130 (Need Cart. Basic) List \$45 NOW \$19

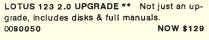
MANAGING YOUR MONEY 1.0 (C) Andrew Tobias' personal finance program for the PCjr. 6024301 List \$ 229 NOW \$ 19

HOME ASSISTANT SOLUTIONS An overlay for IBM Filing Assistant to customize it for the home budget 6024 NOW \$ 9

#### SPREADSHEET

LOTUS 123 Version 1A (C) The hard-to-find cartridge version for the 128K (or more) PCjr! 6187305 List \$ 495 NOW \$ 99

(more spreadsheet programson the next page)



Disks and LOTUS 123 2.01 UPGRADE \*\* manual supplement upgrades version 2 to 2.01. 0090051 NOW \$ 49

LOTUS 123 INSTALLATION KIT Allows PCjr to display graphs in the disk version of Lotus 1A. 5020004 (Needs ver. 1A) WAS \$ 99 NOW \$ 12

UPGRADE NOTE: Owners of earlier versions of Lotus can upgrade to current versions of Lotus and Quattro Pro at reduced prices. Check with the publishers of these programs for details!

NUMBER WORKS/EXECUTIVE WRITER \* Word processing and spreadsheet for PC|r. 5020005 (Tecmar expansion required

SUPERCALC 3 Spreadsheet with graph and data management included for PCjr. WAS \$ 195 NOW \$ 29 6187170

VISICALC The original spreadsheet which inspired the development of Lotus - a classic! 6024004 NOW \$ 2 9

#### WORD PROCESSING

HOMEWORD A simple, easy to use word. procesor with a picture-based (icon) menu. 6024071 (For PCjr only) WAS \$ 89 NOW \$ 39

SAMNA WORD III \*\*\* A professional word processor for the serious business user. Not for use on IBM PCir - Requires 512K RAM 6086002 WAS \$ 359 NOW \$ 39

#### Note:

The IBM DISPLAYWRITE series of software is designed similar to the Displaywrite dedicated word processors to make the transition to the computer easier.

DISPLAYWRITE I Original version even runs on a 128K PCjr - includes keyboard overlays. 6024188

DISPLAYWRITE 2 \* Adds larger document capacity, ASCII file importing, and spell checker, 6024189

DISPLAYWRITE 2 Version 1.10 \* Upgraded version to the above. Requires IBM 5140 PC Convertible 6024845 \$ 69

DISPLAYWRITE 3 \* Advanced word processing with optional legal/ medical support (5.25"). 6024845 (Requires 2 floppy disk drives) \$79 6489766 (Ver. 1.10 - 3.5" disk format)

DISPLAYWRITE 4/2\*\*\* The version for the Popular IBM OS/2 operating system, Has enhanced data merging. 75X1121 \$ 225

**DISPLAYWRITE ASSISTANT \* Special version** integrates with the IBM Assistant Series. 59X9958 (Requires 2 floppy disk drives) \$ 49

**ELECTRIC DESK JR. (C)** Word processing, database, spreadsheet, & communications. 6187243 WAS \$ 295 NOW \$ 59

**ELECTRIC DESK XT \*\*** Disk version of the above. Both can be upgraded to Lotus Works. WAS \$ 325 NOW \$ 59 6187242

WORDPROOF A spelling checker for programs like Displaywrite 1 and others with ASCII output. 6024071

MAILMERGE \* Allows creation of form letters with Wordstar version 1 (not for PCjr version!). 5020003 WAS \$ 179 NOW \$ 39

SPELLSTAR \* Spelling checker for Wordstar version 1 (not for PCjr version!). 5020004 WAS \$ 179 NOW \$ 39

WORDSTAR, SPELL STAR, DATASTAR ETC. for CP/M 2.2 available See our TANDY Liquidation list Section of This Catalog.

#### BUSINESS

IBM PROJECT ASSISTANT \* Keep track of projects & display them as Gantt charts. 6024462 WAS \$ 149 NOW \$ 49









IBM FILING ASSISTANT Set up records, then use powerful search functions to retrieve them. 6024145 WAS \$ 149 NOW \$ 39

IBM FILING ASSISTANT 2.0 \* Upgrade to the above, but includes both 3.5\* and 5.25\* disks. 6024457 WAS \$ 149 NOW \$79

IBM GRAPHING ASSISTANT Create assorted types of graphs from Filing Assistant data.

6024147 WAS \$ 149 NOW \$ 49

IBM GRAPHING ASSISTANT 2.0 \* Upgrade to the above includes 3.5" and 5.25" disks. 8024458 WAS \$ 149 NOW \$69

IBM PLANNING ASSISTANT Spreadsheet title in the Assistant Series (256K+ recommended).

6024148 WAS \$ 149 NOW \$ 29

IBM PLANNING ASSISTANT 2.0 \* Upgrade to the above includes 3.5° and 5.25° disks.
62X0291 WAS \$ 149 NOW \$ 79

IBM PLANS + EDITION \*\*\* Financial modeling & decision support - requires Data Edition prog. 6410972 (2 floppies or hard drive) NOW \$ 59

IBM PLANS + EDITION 2.0 \*\*\* Upgrade to the above - requires Data Edition version 2.0 6476082 (2 flopples or hard drive) NOW \$ 79

IBM GRAPHS EDITION \*\*\* Produces assorted types of graphs from Data Edition program.
6410938 (2 floppies or hard drive) NOW \$ 59

IBM REPORTS + EDITION \*\*\* Custom report writer, screen designer, & application builder. 6410937 (Requires Data Edition) NOW \$ 59

IBM REPORTS + EDITION 2.0 \*\*\* Upgrade to the above - requires Data Edition version 2.0 6476061 (2 flopples or hard drive) NOW \$ 79

IBM DATA EDITION \*\*\* Information management system - the Personal Decision foundation 6410936 (2 floppies or hard drive) NOW \$ 59

IBM DATA EDITION 2.0 \*\*\* Upgrade to the above, except on 3.5" disks.
6478085 (2 floppies or hard drive) NOW\$ 79

IBM PAYROLL EDITION \*\*\* Simplifies the payroll process; interfaces with General Ledger Ed. 6410953 (Requires 256K & hard drive) \$ 59

IBM ENGLISH ACCESS EDITION \*\*\* Allows access to Decision Series using English phrases 6476065 (Requires Data Edition) NOW \$ 59

DIAGRAM MASTER by Decision Resources \*\*
Create presentation-quality charts and diagrams.
6187156 NOW \$ 79

#### GRAPHICS SOFTWARE

PCJr COLORPAINT (C) Full-featured drawing program just for PCjr. Print your creations, too. 6024299 (Mouse reg'd) WAS \$ 99 NOW \$ 19

ANIMATION CREATION Create pictures using the extended ASCII set, even make them move! 6024082 WAS \$ 35 NOW \$ 18

IBM DRAWING ASSISTANT \* Allows you to create drawings for import to Drawing Assistant.

8024089 WAS \$\_149 NOW \$\_49

(NOTE: The following 3 titles require one of the following: IBM BASIC Compiler, IBM Fortran Compiler, or IBM Lattice C Compiler)

IBM GRAPHICS KERNAL SYSTEM \*\*\* Highfunction programming tool based on ISO/ANSI industry standards. 6024203 NOW \$ 129

IBM GRAPHICAL FILE SYSTEM \*\*\* Store and retrieve graphic files in a standard format. 6024205 NOW \$129

IBM GRAPHICS DEVELOPMENT TOOL KIT
Write graphics software independent of the
system on which it is written. 6024196 \$89

IBM PC STORYBOARD \* Prepare color presentations with special effects and animation. 8316998 NOW \$ 69 IBM PC STORYBOARD PLUS \*\*\* Upgrade 6024401 VOW \$ 179

IBM PICTURE PAK - HOLIDAYS Library of images and animation for use with Storyboard.
6187323 NOW \$ 39

IBM PICTURE PAK - EYE OPENERS Library of Images and animation for use with Storyboard. 6181340 NOW \$ 38

IBM SLIDE WRITE Create presentation-quality text charts on paper or for transparencies.

8317034 NOW \$ 39

#### BOOKS AND MANUALS

jr GUIDE TO OPERATIONS/HANDS ON BASIC Just like the ones originally supplied with PCjr. 1502292 NOW \$ 25

IBM PC/XT GUIDE TO OPERATIONS For the original IBM PC/XT (8-slot computer).
6936810 NOW \$ 15

IBM PC/AT GUIDE TO OPERATIONS For the original IBM PC/AT (8 ±1ot 286 computer).
6322511 or 1502241 or 6280088 NOW \$ 25

IBM PC/AT SYSTEM DOCUMENTATION With Guide to Operations, BASIC, & Setup manual, and Power Cord 6276837 or 6450201 NOW \$ 39

IBM PC/AT INSTALLATION & SETUP The guide to assembly, setup, and diagnostics.

1502491 (includes setup disk) NOW \$ 29

IBM PC/AT TECHNICAL REFERENCE Technical information, schematics, & BIOS calls for the IBM 5170 PC/AT Computer 6280066 NOW \$ 59

IBM BASIC FOR THE PC Reference book for the BASIC language. An excellent Book for the BASIC programmer of any computer.

6025010 NOW \$ 10

TECMAR PC PAINTBRUSH Manual for a very early version of PC Paintbrush.

NOW \$ 7

UNDERSTANDING CP/M a how to use it book for the CP/M operatins system used on many Pre MS-DOS type computers NOW \$ 9

#### IBM 3270 PC & PC/AT BOOKS

IBM 3270 GUIDE TO OPERATIONS Includes test plugs, BASIC supplement, & tutorial disk.

1837432 NOW \$ 15

IBM 3270 ONLINE TUTORIAL

'How-to-use-it' book for the IBM 3270 computer.

1827433 NOW \$ 15

IBM 3270 CONTROL PROGRAM/USERS
GUIDE Software to control 3270 from mainframe.
183734 (User version & guide) NOW \$ 15

IBM 3270 EMULATION PROGRAM 2.0 Emulate IBM 3274 Control Unit, 2378/79 Display, & 3287 Printer. 59X9951 NOW \$ 49

IBM 3270 EMULATION PROGRAM 3.0 Upgrade to the above includes 3.5" & 5.25" disks.
59X9989 NOW \$ 99

IBM 3270 EMULATION PROGRAM 1.21 Gives IBM PCs 3278 or 3279 Display Station capability. 75X1085 NOW \$ 79

IBM 3270 WORKSTATION PROGRAM Gives IBM Personal Computer Workstations multisession, windowing, and host display station capabilities and allows running of multiple DOS and host applications concurrently. Write programs that communicate across PC or between PC & host.

74X9921 (includes 3.5" & 5.25" disks) NOW \$ 79

IBM 3270 PC/AT GUIDE TO OPERATIONS 59X9982 or \$168570 NOW \$ 28

IBM 3270 CONTROL PROGRAM USERS
GUIDE 59X9968 NOW \$ 29

IBM 3270 GUIDE TO OPERATIONS (HARDWARE) 59X9973 NOW \$ 39

IBM 3270 GUIDE TO OPERATION / USER
MANUAL 8217355 NOW \$ 38

IBM 3278/79 EMULATION CONTROL PROG.
Connect a PC with 3278/79 emulator to host.
6024134 NOW \$ 88









## DOS-LANGUAGES

FIXED DISK ORGANIZER - MENU
Organize programs into a series of convenient
menu screens. Requires Hard Disk.
6024111 (Hard disk required)
NOW \$ 19

IBM BASIC PRIMER 2.0 Learn to use the BASIC language through this helpful book. 6024129 NOW \$ 19

IBM BASIC MADE EASY Another good book for learning the BASIC language.

8024116 NOW \$ 19

IBM BASIC 3.0 Latest version of the BASIC reference book - good for clone owners, tool 8361132 NOW \$ 29

TURBO BASIC\*\* Improved BASIC compiler by Borland for making .EXE files from BASIC code. 13FGBAS10 or 13FGBAS11 NOW \$ 59

TURBO C USERS GUIDE The handbook for owners of the Turbo C language compiler.

14FGCOM NOW \$ 39

MICROSOFT "C" OPTIMIZING COMPILER \*\*\*
fast, professional C development environment.
MICROSOS-C NOW \$ 149

IBM MACRO ASSEMBLER 2 Write programs in Assembler & compile them into executable files. 6024193 (5.25° disk) WAS \$ 149 NOW \$ 39

IBM MACRO ASSEMBLER 2.0 Same as above, but in the 3.5° disk format. 6280077 NOW \$ 39

IBM PROFESSIONAL DEBUG UTILITY \*\*\*
A tool to debug programs written in Assembler.
6024143 (Includes NMI card for PC) NOW \$ 40

CP/M 86 \*\*\* Allows running of CP/M operating system based progarms on the IBM PC. 6024025 NOW \$ 49

#### DOS

IBM DOS 2.10 The version for the PC|r.
60224213 \$40 new; \$25 used

IBM DOS 3.20 on 3.5" disk \$ 45 IBM DOS 5.0 on 3.5" disk \$ 65

IBM DOS TECHNICAL REFERENCE The reference for programmers - covers 2.10 through 3.10 8024213 \$ 39

 MS-DOS 3.30
 on 5.25" disks.
 \$ 69

 MS-DOS 4.01
 on 5.25" disks
 \$ 49

 MS-DOS 5.0
 on 5.25" disks
 \$ 59

COMPAQ DOS 2.11 5.25" disks \$ 39 COMPAQ DOS 3.1 5.25" disks \$ 49

#### NETWORKING

IBM PERSONAL COMMUNICATION MANAGER
The IBM program for modem communications.
8023100 NOW \$ 5

LOCAL AREA NETWORK PROGRAM 1.10 \*\*\*
Use with IBM network cards to set up networks.
280063 NOW \$ 45

PC NETWORK PROGRAM 1.0\*\*\*Share devices, send & receive messages within a network.

6024195 NOW \$ 79

IBM PC LOCAL AREA NETWORK 1.20 \*\*\*
Upgrade of the above with PS/2 support.
75X1081 NOW \$ 109

IBM PC LOCAL AREA NETWORK 1.30 \*\*\*
Upgrade of the above in 3.5" disk format.
84X0076 NOW \$ 179

IBM PC NETWORK + EDITION 1.0 \*\*\* Share Personal Decision Series resources in a network. 6476077 (3.5" disk format) NOW \$ 99

IBM CLUSTER SOFTWARE \* Network software for IBM Cluster Card networks.

6024107 WAS \$ 349 NOW \$ 60

IBM NETWORK + EDITION \*\*\* Share Personal Decision Series resources in a network.
6476063 NOW \$129

#### EDUCATIONAL

LEARN DOS Guides the beginner through many of the elementry DOS commands that are confusing when getting started. Nor for use on the IBM PCIr \$ 19

COMPUTERS & COMMUNICATIONS Teaches how to use a computer in communications.

8024069 (Needs Private Tutor) NOW \$ 15

KAREL THE ROBOT Gently introduces the user to the PASCAL programming language.

6024066 WAS \$ 150 NOW \$ 49

KAREL THE ROBOT TEXTBOOK Guides the user from beginning through advanced lessons.

1502200 WAS \$ 8 NOW \$ 4

MONSTER MATH Elementary math skill builder erases part of a monster if answers are correct. 6024072(Need BASIC cart. for PC|r) NOW \$ 19

BUMBLE GAMES Six challenging games to help children ages 4 to 10 build graphing skills. 6024094(Need BASIC cart. for PC|r)NOW \$ 23

JUGGLE'S BUTTERFLY Three playful games to teach children ages 3 to 6 reading & math skills. 6024095 (Need BASIC cart. for PC|r)NOW \$ 19

BUMBLE PLOT Five challenging games to help children ages 8 to 13 develop geometry skills. 6024096 (Need BASIC cart. for PC|r) NOW \$ 23

GERTRUDE'S SECRETS Teaches children in grades K through 4 grouping & math skills.

8024097 WAS \$ 49 NOW \$ 23

ROCKY'S BOOTS Developes advanced thinking & logic \*kills for ages 9 to adult.

8024099 WAS \$ 50 NOW \$ 23

TEACHER'S QUIZ DESIGNER Create, edit, and administer tests; track acores and averages.
6024075 (Need BASIC cart, for PCJr) NOW \$ 35

PRIVATE TUTOR 2.00 Complete learning system for writing and presenting courses.

6024113 WAS \$ 55 NOW \$ 35

WRITING PRIVATE TUTOR COURSES A handbook for teachers for creating courses. 6024076 WAS \$ 12 NOW \$ 6

PUNCTUATION SKILLS A program to develop punctuation skills.
6024083(Need Private Tutor) WAS \$55 NOW\$29

LANGUAGE SKILLS Covers rules for nouns, verbs, pronouns, adverbs, adjectives, etc. 6024084(Need Private Tutor) WAS\$55 NOW \$29

CAPITALIZATION SKILLS Covers rules for names, initials, salutations, etc. 6024085 (Need Private Tutor) WAS\$55 NOW \$29

SPELLING SKILLS Covers rules for irregular plurals, silent "e", suffixes, "le" and "e", etc. 6024086 (Need Private Tutor) WAS\$55 NOW \$29

BASIC MADE EASY FOR PCjr Handbook especially for BASIC on the PCjr 6024116 WAS \$ 12 NOW \$ 8

TYPING TUTOR Instructional program to teach typing and build typeing speed quickly.

6024013 WAS \$ 29 NOW \$ 12

LOGO 1.0 Flexible interactive language for young programmers ages 8 to 12.

8024067 WAS \$ 175 NOW \$ 89

LOGO:PROGRAMMING w/ TURTLE GRAPHICS
A textbook for use with the LOGO software.
1502229 WAS \$ 12 NOW \$ 12

TURTLE POWER A version of LOGO for introducing children K - 4 to programming. 6024109 WAS \$ 55 NOW \$ 29

TURTLE POWER ACTIVITY BOOK Textbook for above with activities in math, reading, etc. 8024079 WAS \$ 11 NOW \$ 6









TURTLE POWER THINKERS GUIDE Textbook for understanding children using Turtle Power. 6024167 WAS \$ 11 NOW \$ 6

HYDROLOGIC CYCLE Color graphics show the movement of water from earth to sky and back. 6024121 (High school age) WAS 55 NOW \$ 29

GROUND WATER Learn about natural groundwater cycles, and human impact on them. 6024121 (High school age) WAS \$55 NOW \$ 29

SURFACE WATER Learn about water flow erosion and other surface water topics.
6024123 (High school age) WAS \$55 NOW \$ 29

MOISTURE IN THE ATMOSPHERE Learn about atmospheric moisture & effects on environment. 8024124(High school age)WAS \$55 NOW \$ 29

ELECTRIC POET Allows non-programmers to create color graphic & music presentations.

6024172 WAS \$ 55 NOW \$39

COMMA CAT Use the poems of Dr. Edmond Skellings to teach punctuation. Grades 3 - 6. 6024293 (Electric Poet reg) WAS \$ 49 NOW \$ 9.

DICTIONARY DOG Helps build vocabulary by showing how to use a dictionary, Grades 3 - 6. 6024067 (Electric Poet req) WAS \$ 49 NOW \$ 9

#### AMERICAN EDUCATION COMPUTER SOFTWARE

SPELLING Teaches 4.233 most commonly used English words by "test-teach-test" method. Order by grade. Aviiable for grades 2 - 8.

READING COMPREHENSION SKILLS
Develops ability in cause & effect, similarity & difference, etc. Order by level.
Level 3 for grades 7 - 8.

LEARN ABOUT WORDS IN READING Teaches word structure: prefix, suffix, synonyms, etc. Grades 2 - 4.

Cartridge BASIC required for above titles if used on PCjr. All titles \$ 12 each.

#### MISCELLANEOUS

Q&A PLUS DIAGNOSTIC ver 3 \*\*\* Test and diagnostic software for the IBM PC, PC/XT & PC/AT and compatible Computers \$ 19

IRWIN EZ TAPE Tape backup driver software for 10 & 20 Meg IRWIN internal & external tape backup units. \$19

QMS LASER PRINTER SETUP SOFTWARE For the KISS & Big KISS laser Printers. Includes seup & Print Menu. \$ 1

IBM PERSONAL PAGEPRINTER ADAPTER
PROGRAM - version 1.3.1 \*\*\*
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IBM HARDWARE MAINTENANCE & SERVICE for PAGEPRINTER 3812 1886337 \$ 38

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ILLUSTRATED ENCYCLOPEDIA (Groiler 1991)
REFERENCE LIBRARY (Software Toolworks)
WORLD & US ATLAS (Software Toolworks)
GAME PACK II (Software Toolworks)
NATIONAL GEOGRAPHIC ANIMALS









## Public Domain and Shareware Software

Programs marked \* require 256K on PCjr

#### UTILITIES

001 UTILITY SAMPLER

A diskette with over 25 useful utility

programs.

002 DISK CATALOG PROGRAMS

Includes CatUtil3 (\*) for keeping track of

your disk library.

030 RAM DISK UTILITIES (\*)

Assorted programs for setting up a disk

drive in your extra memory. 036 COLOR DISPLAY UTILITIES

Set your own screen colors.

075 ULTRA-UTILITIES (2 DISKS)

Nice utilities let you modify disk sectors,

and more - for the experienced user!

113 DIRECTORY UTILITIES

Assortment of programs for help with your disk directories.

144 PC-WINDOW & EZ-DOS

Pop-up notepad, alarm clock, etc. and

enhanced DOS commands

147 ANSIDRAW

Good program for creating graphic

screens using ASCII characters.

153 NEWKEYS

Redefine your keyboard the way you want it with macros (256K is recommended).

157 PC-DISK CATALOG PROGRAM (\*)

Good program for keeping track of your disk library.

173 VINCENT BLY UTILITIES

Includes improved TYPE command and

RE-VIEW screen scroller.

203 STILL RIVER SHELL (\*)

File manager with a DOS shell included

253 FILE COMMANDO (\*)

Good file manager similar to the above.

**261 MORE DIRECTORY UTILITIES** 

Includes the excellent Directory Too! Kit. 276 DS-BACKUP

A better backup for your hard disk than

DOS has to offer!

**293 SHORTCUT** 

Great file manager with a display LOADED

with information!

304 HELPI & DIRECTORY MASTER (\*)

Excellent for handling your files and

directories

#### **305 AUTOMENU**

Really good menu system--works with

floppy or hard disks!

306 EXPAN-DIR (\*)

Can't remember what a file is (or does)?

This is for you!

310 DESK COMMANDO (\*)

This does things that Sidekick never even

dreamed of!

312 AUTOMAX/ DIRECTORY SCANNER (\*)

Excellent hard disk menu system and

directory utility.

315 JRCONFIG UTILITY (\*)

Super utility for PCir--one line in CONFIG.

SYS file sets up your extra memory, video

mode, RAM disk, and lots more!

331 NARC ARChive UTILITY

Un-ARC files with this menu- driven utility! 333 SOFTWARE PATCHES FOR THE PCIr

Patches for TurboBasic, QuickBasic,

Starflight, and more!

#### COMMUNICATIONS

262 RBBS-PC (2 DISKS) (\*) --

(Hard disk required)

Set up your own computer bulletin board!

281 PROCOMM (2 DISKS) (\*)

Excellent communications program includes

a host mode!

285 QMODEM (2 DISKS) (\*)

Another excellent communications program

(no host mode).

296 MINIHOST (\*)

(Hayes-compatible modem required)

A miniature bulletin board with some good

features!

299 QMODEM-Ir

Special version made for Jr .-- this one is

really good!

301 PCIr-TALK

Special version made for Jr.'s memory and

internal modem.

307 TELIX (\*)

This is one of the best programs yet!

313 GT POWER-COMM (4 DISKS) (\*) Good communications with powerful host

mode. Hard disk required for use as a BBS.

329 ONE-TO-ONE Nice, simple communications -- even has

host mode!

322 PC RAILROAD

Run your own railroad empire!

**323 BOARD GAMES** 

Monopoly (\*) game. Chinese Checkers

game has good graphics!

324 BIBLE GAMES (\*)

Learn about Creation & the 10

Commandments-graphics & music

325 MORE ASSORTED GAMES

Mille Bournes, Mz. Pacman, Round 42 (\*), and more!

326 CARD GAMES (\*)

Poker, Bridge, and Solitaire are all here!

327 PIRATES (BASIC Cartridge Required) Simple Adventure game with over 30

graphic screens!

328 ADVENTURE & ROGUE (\*)

Two text games for you adventure fans!

330 X-WORD (384K Required!) Great crossword puzzle generator for Epson

& IBM Printers.

332 TRIVIA-WILLY THE WORM-REVERSI Try your hand at Trivia questions, Willy the

Worm, & Reversi.

#### OTHER PROGRAMS

005 PRINT SPOOLERS

Assortment of programs to make your

printing jobs easier!

015 BRADFORD

Letter quality printing on Epson, Gemini, or

IBM Graphics printers!

179 COMPUTER TUTOR

Good basic course in understanding

computers and DOS.

180 FASTYPE

Excellent typing tutor program.

192 FAMILY HISTORY (BASIC Required)

Program for organizing your family tree.

193 FLOWCHART Design and print your own flowcharts!

206 WORLD MAP (\*) & WORLD TIME

Display world maps, or check the time in Paris!

278 PC PERSONAL GRAPHICS (\*)

Not exactly Printshop, but still an excellent

ShareWare program!

300 BEST PRINTER UTILITIES A collection of some of the best printer

utilities around!

316 POT-POURRI

Assorted programs from harmless pranks to

assorted graphic demos.

334 PMS LABEL (\*)

(Requires graphics printer) Allows you to print address labels with

graphics from PrintMaster or PrintShop.

336 PROPRINTER UTILITIES Assorted utilities for IBM Proprinters.

338 PRINT PARTNER (\*)

Excellent program for printing signs, banners & calendars, Includes Printmaster graphics, Requires IBM graphics printer.

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019 PC-WRITE (\*)

The best Communications program for the IBM PCjr internal modem (also supports Hayes compatible modems).

BUSINESS - SPREADSHEET, DATA BASE, WORD PROCESSING, ETC.

Good word processing program with many nice features. **023 TEXT EDITORS** Assorted text editors such as FRED, EDED. AWP. etc. 024 TURBO-SCRIPT Nice little editor written for the PCIrl 025 QUICK-EDIT A good text editor that is FASTI 076 3-BY-5 DATABASE (\*) If you're using index cards, replace them with this! 111 FREE-CALC (\*) Similar to Multiplan, but a lot cheaper! 112 PC-CALC (256K Recommended) Good spreadsheet program from the author of PC-File. 231 PC-FILE III (256K recommended) A quality database system by ButtonWare--excellent! 232 FILE EXPRESS (2 DISKS) (\*) Pretty good database does sorts, searches, and reports. **273 BUSINESS LETTERS** Don't know how to say it? Here's 100 letters to help! Letters are stored as ASCI files so most word processors can be used to read and edit the letters. 291 EZ-FORMS (\*) Design and print your own blank or completed formal 303 AS-EASY-AS (\*) Spreadsheet very similar to Lotus--includes graphing ability! 308 NAME-PAL This one does it all--labels, lists, booklets, and rolodex cards! 311 GALAXY (\*) Excellent word processor with pull-down menus to help you! 314 CASH-TRAC 5.12 (\*) Helps manage your personal finances.

#### FOR D-BASE II & III USER'S ONLY!

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Compile your DB-II command files to run
30% faster!
054 ASSORTED DB-II PROGRAMS
Mailing list, label printer, etc. for DB-II.
060 MORE ASSORTED DB-II PROGRAMS
Contains reminder, phone book, expenses, etc. for DB-II.
072 DB-MENU & TIPS
Create your own menus. Also has many tips in ASCII files.
284 DB-III SCREEN EDITOR & PROGRAM
GENERATOR
Design a screen, and this will write the program for you!

#### **GAMES, GAMES, AND MORE GAMES!**

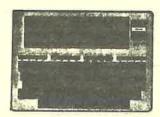
#### **217 GAMES**

Assorted .EXE games like Sopwith (\*),

Invaders, & Chess. 219 BASIC GAMES (BASIC Required) Assorted games like Bowling, Dominoes, Yahtzee, etc. written in BASIC language. 223 BUSHIDO (\*) (Need full-size PC keyboard on PCjrl) Fast-paced martial arts game with excellent graphics! 225 D N D (\*) If you like Dungeons and Dragons, this one's for you! 309 SAILING /WORDPLAY/PC-BOWL (\*) Sail the Bermuda Triangle, play Wheel of Fortune, and go bowling on your PC! 317 ASSORTED GAMES Word-Search Puzzle-Maker, Fire-Fighter & Cliffy games. 318 DUNGEONS OF MORIA (2 DISKS) (640K Required!) Another one for you D and D fans! 319 BEGIN (\*) Another starship simulator (NOT an arcade-style game). 320 AMERICAN CUP (\*) Nice salling race simulator! 321 PC-HACK (384K Required!) Text adventure game--large vocabulary!

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