HARDWARE / CLASSIC WORLD

TI-99ers In The '90s

Classic Computer Column by Barry A. Traver

DIGITAL SOUND FOR THE TI-99/4A AND MYARC 9640

The name of the product is DIGI-PORT, and it permits the porting over of DIGItal sound "from the IBM, Mac, Amiga, Atari ST, Sound Blaster, and many more," according to its producer, Oasis Pensive Abacutors (better known as OPA, 432 Jarvis Street, Suite 501-502, Toronto, Ontario, Canada M4Y-2H3). I haven't seen DIGI-PORT in operation myself yet, but I understand that it is available NOW from OPA.

Like Mike Maksimik's MIDI MASTER 99 (reviewed in a previous column), Don O'Neil's DIGI-PORT is a combination of special cable and software. In this case, the cable plugs into the parallel port of the RS232 card (TI, MYARC or Cor-Comp). The software supplied actually allows playback of the sounds from 0 Khz to 80 Khz, either through the supplied PIO adaptor cable or through the TI-99/4A's (or MYARC 9640's) built-in 9919 sound generator (although the 9919 plays sounds only at a 5-bit accuracy, while the PIO cable plays at 8-bit accuracy).

With digitized sound, one problem is the amount of memory required. With just a standard Tl-99/4A, reportedly you can play only 10 seconds of sound at 5 Khz. If you have additional memory available through a supercart, 80-column card, RAMBO memory card, MEMEX memory card, or MYARC

HARDWARE / Sanyo 55X News

FROM PRECEDING PAGE

As with the WordStar setup, disk swapping will be necessary. Word-Perfect will require that you remove the DATA disk (drive B:) when running the speller or thesaurus. The program disk must stay in the drive in which it was started (usually drive A:). Don't panic. WordPerfect reads the file into memory anyway so there is no danger in removing the file disk while using the speller or thesaurus. disk space and is a very full-featured program with multiple files, windows, cut and paste, block copy, move, delete, find and replace, multiple-level undo, left and right margins, wordwrap, auto-reformat, right justification, and automatic disk save interval just to name a few features. It is compatible with almost all MS-DOS computers, including the Sanyo 55X in all video modes. VDE is fastest with a video beard or VBSIM, however. VDE produces pure ASCII files which makes it an ideal DOS editor. It does not however, have a built-in spelling checker or thesaurus and is limited in the size of file it can edit (80K). Fortunately, almost any spelling checker will work (MicroSpell 6.24 from Trjgram Systems is but one example). So will most thesauri (like Word-Finder and Webster's mentioned earlier). So there you have it. A 256K Sanyo 55X with two 360K drives might be all you need. You don't even need to spend much money. Getting words on the page right is important. Getting the right words on the page is even more important. And now you have the tools to do it.

9640 (or Geneve), I'm told, however, that you can play much longer sounds, up to 10 minutes or more (depending upon your configuration).

The cost of DIGI-PORT (including cable and software) is \$39.95 (US), but you need to let OPA know your system configuration when ordering. OPA also has sound disks available, so that you can have interesting material to listen to on DIGI-PORT.

For further information on this product or related products such as RAMBO, you can call OPA at 416963-TITI Another source of some of these products, including RAMBO and MEMEX, is Bud Mills Services, 166 Dartmouth Drive, Toledo, OH 43614-2911; phone 419-385-5946.

Incidentally, at the time of writing this column it appears that OPA's DIGI-PORT may have a competitor: Texaments's SOUND F/X by Barry Boone. There are two programs involved here, one to port over the sound data from PC format to TI format and the other to actually play the sounds on a TI or Geneve.

SEE PAGE 84 👄

C						541-8768 Hit's notilet Call for th
S DISK-C	0	UNTSOFTW/	AR	_ Lowest prices in ─ We will best any		g shipping tower rtised price delivered pr
05 Max 5. 1	86	WORKS UNDER OUT ST	115		ARDY	
D Charts to Go bove Disk 4.0	55. 61	Object Vision (Intro) One Write Accounting	176	SOUND CABO	î.	COMPUTERS
bove Utilities for DOS	51	Ort Targel Pegenaier40	3 3	Ad Lib Ad Lib Microchennel	139	286-16 8
bove Utilities for Wind.	97 229	Paradox3.5:	495	Personal Comp. Mutic	118	386 SX-20 14
clobe Type Manager	61	Paradex Comp. Upgrade Paracel for Windows	5 6		28	Systems include 1 Mag RAM, 40 Seegate H.D., 1.2 Roppy, 28-1P-
dobe TypeAlign	64 126	PCAnvehere IV	86	Programmers Manuel	26	Keyboard, Amber Monilor
Rer Dank for Windows T.M.Phis	29 125	PCI(wik/Powepsik2.0 PCPainbruehIV+	- 65 114	Visual Composer Sound Blaster	64 145	UPGRADES VGA Mondor
Upting Four	289	PCToole7.0	109	Sound Blaster Micro	219 CALL	1,44 Fippy 80 Mg. Seegate Hard Drive
unencen Hindick, Blue, Leel. Uni Pro 2.0	31	P D Queue Perform Pro	22	Stereo Chipe	25	120 Mg. Iverd Drive
Int Pro Upgrade	109	Peachtres Complete Bi	146		80 59	MODEMS N EAX CAR
	265	PFS: First Choice	75	Voice Editor	52	Frecom Fax 98 1 Frecom Fax 96 OneLiner 1
	35	PFB: Window Works Presentation Theidforce	.105 .119	Sound Meater# Pro Audio Specirum	149 249	MaxFax9624FaxModem1
lecker Tools Jorland C++	76 309	Process PL#2.0	. 69	Thurder Board	99	Practical Peripherale PM 2400 Internal 1
Calender Creator Plus 4.0 Caleon Copy 6.0	114	Project for Windows Project for Windows Publish-212.0	305	RolandLAPC-1 MIDLINIEREAG	395	PM2400ea.External
Seichword	125	Di Jaharan Dahiti an ikit	279	Mueic Quest Mikii Card		US Robotice Courier 2400
Jeniral Point Andrews	1			MQX-16	145	Courier 2400 w/ MNP 5
Coloria	4	Clubble Pro 3.0 Clubble Pro Comp. Upgd	315	NOX-32 Relant MPU-IPC	245 135	Sportator 2400 MI
Concuseive Menitiership Copy II PC	3	OEM4	61	Roland MPU-IMC	245	Sportster 2400 w/MNP 2 Zoom External
Corel Draw 2.0	-		44	Voyetre Jr-22/Pak Voyetre Sr-22/Pak	190	Zoom Internal
Accounting	•	Delicitieri Quick Pay		M DE SOFTWAR		DECE & TRACKBALL
Cac Enny Accounting		P: Dese P: Base Personal		Band-In-Boxw/Fakebox Cakewalk	* 69 95	Appoint Mouse Prof. Pen CH Roller Mouse Senal
Sale Carl 2 Sale for Windows Sale of Carl 2D	T.	PEDME: Property Mahagar Hughe Writes D'Od or Ma	190	Calumait, Professional	169	CH Roller Mouse Bue
Manual Folia	7			Copylet Apprentice 2.0 Encore	95 362	CM 290 E Mouse Expert Mouse Bue 1
elion Cald 2D	1	Billing to Windows	· 他的感	Master Tracks Pro	264	Expert Mouse Serial Koalapad + w/ Dr Halo
Net Onlew 385	13		114	Musicator Music Printer Plus	375 419	Mousemen Serial
Direct Access	3	Schware Carouad		Trax	60	Microsoft Mouse Serial Microsoft Mouse Bus
) A Dos	ιŦ	Boltifiell Binaernin e for Weichners	121	JOVSTRIK S		Scenmen Model 32
) A Dos Upprade:	26	Toolbook to Webows	275	CH FightSlick CH Mach II	44 26	Trackman Seriel SKNND & PADS
wool for Windows			400- 66	CH Mach H Eliminator 33MHz Card	32	DustCovers
agines Publisher adjuit				Epyx500XJ	17	keyboarð
and Tree Maker	1			GameCard (# Automatik GameCard III Auto/PS2	: 31 : 49	CPU,monitor,printer Grounded WristStraps
ann Tool Gold	Ŧ	Wall Street Investor	249	Gravis Joyalick	32	Keyboard Sidns
Seheris Cadil Seintatu Encomitio	2000 /100	Wilmaker / / / /	67 39	Kraft KC-3 Kraft Thunderstick	18 28	(specity make & model) MousePade
an Script Plus	10	Winter	45	Maxx Flight Yoke Quickshol Wartlor	70 18	Shiti:Pade Small-keyboard
Aren and the for Windows Interventi Geographics UG	ÿ	Word for Windows	265	Thousimaster	85	Large-system
arventi Geogracites	2	Word Parlect 5.1	22		9	Rendom House Encyclep.
	7	ENTERTAINMEN			: 37) • 32	Read in Floir (VGA) Printlet Parital
fierkPS IomeLawyer	13	Link of the Pature 1	2	Lineurs Suit Lary Bunch		Rester Rickie
nder: Pecal	.₫	Reflecters (al velejone)	31	Ladrove Stin Las for 6 V	25	Files of the Disgon
uet Write abel Pro for Dotal strot.	- P	Endenge of Ancient Eng			31 36	Bectel Monkey Isl. 1 of 2
abel Pro for Lager	٩.	Childrene Writing & Plut.	31	Links Course Disks	2 A 🙀	Sector Weasartin Aveile
abele Uninited	: 6	Complete Coners I racke	3		90. #	Space Coverficance
	鵓	Crime Wave	, 2 32) 37			Spenn Cuerts Al
	310.	Death Krighte of Keyning	33	Linth Classics Shiptony	31	Spell 1 Plue Street Rod N
	35		37	McGeestine Fon Par	- 25	Burt Driver (1997) - 2017
Annual Yorks		Dvorak on Typing EartWeaver1	-31 33	Mage Fortfast	99 37	Tenix (hew vetsion) : Tennineloi
Aging ball Loop program in a second program in a second program in a second program in a second program in a s	385		31	Mickey's ABCd 123	25	Theme Fark Myslery Tory Leftunes Pernate 68:
Acressentrix Classification		Eye of the Beholder	42	N & Hannes and the Parameter of States,	35	Treasure McLandon
	iğ,	長移隊の 造 とば	34	Michael Rescue	31. 30	Troka Trunp Ciastra
Aleradio C	285	F-15 Il Scenetio F-1174 Steelin Fighter 2	- 19- - 42	Omenant	1	and the second
	280	F-29 Retaining the second state	ંક્ર		·····································	U.S. or Viorici Allas
Vicrosoft Contracts 1-1679	1.72	Fight Simulator A.T.P.	37	PC GIODE CTUSA	8. S. 🗱	Vergeerend Extelbur Warlords
Vicrosoft Office	- 166 I					
Vicrosoft Office	6	Guninio 2000	43	PC Study Bible Renervalific Golf	90- 91	Where My Angle
Viorgeoff Office Viorgeoff Office Besic Viorgeoff Office C Viorgeoff Office C	8 18 9 9 18 9 9 9	Guranio 2000 Health of Carly Paper Stat Health China	. 7	Renoral Fre Golf		What a My Arple Where Dodnatin USA
Vicrosoft Office	66 129	Guriéhio 2000 Healthrai Histy Paper Cha Healthrai Chilsa Jacit Nithigaus Unitritati	_ <u>7</u> _	Renacifal Rio Golf	j \$9	Whateley Angle

THE VDE SETUP

The biggest problem you're going to find with the WordStar 4.0 or WordPerfect 4.1 and 4.2 setups is finding the software. Both products are no longer in production. That can make life difficult. Sometimes they are available used at computer consignment stores. Cost? \$25 to \$50. But there is the solution proposed by Doug Roberts in the August issue of Computer Monthly: Video Display Editor (VDE). Since Doug wrote that column VDE has been updated from version 1.51 to 1.61 and has gotten even better. But the best part of VDE is that it is free, though I would encourage you to contribute \$5 or \$10 to the author, Eric Meyer, should you find you like the program. It can be downloaded from almost any MS-DOS electronic bulletin board or ordered from most places that sell shareware such as the Public Software Library, P.O. Box 35705, Houston, Texas 77235. Site licenses can be purchased for a very reasonable amount.

VDE is a great WordStar compatible word processor that can have its Tom Peet

Sanyo Users of Central Ohio 6074 Bolamo Ct. Westerville, Ohio 43081

Victor Frank Sanyo PC Hackers International 12450 Skyline Blvd. Woodside, California 94062

Eric Meyer (VDE author)

own menu-driven command structure as well. It takes less than 50K of









HARDWARE / TI-99ers In The '90s

FROM PAGE 81

As with the DIGI-PORT, here also we have to deal with very large data files. If you have a Geneve with a MEMEX card, you can reportedly play a file that will last maybe five minutes or so. What I heard when I was talking with Barry over the phone sounded very impressive (he played short samples of music and speech, the latter including Curly of the Three Stooges, if I remember correctly), but it can take up a lot of memory. At any rate, if you want more information on this product, which may have been released by the time you read this), you should contact Texaments, 53 Center Street, Patchogue, NY 11772,

NEW PRODUCTS FROM ASGARD

Recently I received two interest-



ing items from Asgard Software (P.O. Box 10306, Rockville, MD 20849). First, I received a review copy of Thumbnails y Francisco Garci, and second, I received a new issue of Reflections! The latter was especially welcome since the previous issue was sent out over a year ago, and the resumption of publication is evidence that the reorganization of Asgard (including the addition of Harry Brashear as an active partner in the operation) is having beneficial effects. Like many other companies that supply TI-related products, Asgard had been experiencing some problems in the prompt filling of orders, but the problems seem to be being worked out

Back to Thumbnails...I should warn you that this program works only on the Geneve and not on the

Computer Data Communications Bruadensting Auctor Esual Computer Equipment

NEW FAX/MODEM BOARDSU! SEND/RECEIVE Internal 9600 band Fax & 2400 band Modem on one board Sim External Model XT/AT-BUS w/MMP5 Software

/4A, but it is a great utility for those who like to work with MacPaint pictures. It's a program to put right beside JP Software's Macflix Pro by Peter Hoddie or Asgard's own Pix Pro by Jim Reiss. Asgard describes Thumbnails as "the ultimate organizing, cataloging and conversion utility for MacPaint pictures," and that may not just be advertising hype.

Thumbnails can catalog your disks and find all the MacPaint pictures on them. You can view the pictures or print them either in full-size or in "thumbnail" format (i.e., a reduced size that fits in a box on the screen or can be printed nine pictures to a page-now you know where the program gets its name!). You can clip your pictures and save the result in Page Pro 99 or TI-Artist format. This program-which also lets you "organize your MacPaint pics into a simple slideshow for viewing^{*}—has a suggested retail price of \$12.95 (but include an additional \$3.00 for shipping and handling, if ordering by mail).

If you use PAGE PRO 99 (the popular desktop page publishing program for the TI), you'll want to get Asgard's new GOFER, a set of utilities by Dan Gazsy for Page Pro. It is available at \$12.95 (and-like most of Asgard's products-will run on the TI as well as the Geneve). **GOFER** includes upgrades (Asgard actually describes them as "complete rewrites") of "almost all the utilities included with Page Pro 99, plus many other additional little prognams designed to let you get work done quicker and more efficiently." Whether it's columnizing text or converting art to and from TI-Artist format or modifying Page Pro 99 files, Gofer will help you do it, and Gofer will work with RAMdisks and hard drives. Asgard's new Lineditor (\$12.95 plus S & H), written by Edwin Hall, can help you with super-large text files. If you find that you have more lines to edit than TI-Writer or My-Word is able to handle, then you may want to try out Lineditor. Like Gofer, Lineditor is able to work on either TI or Geneve and is compatible with various RAMdisks and the MYARC HFDC (Hard Floppy Disk Controller). It has one simple purpose: to simplify viewing and changing large text files. If that's something you're interested in, check out this program! It's great to see good new programs continuing to come out from Asgard Software, and there are additional new products that I haven't even mentioned yet: the exciting arcade game Starbase Raiders by Joe Delekto (\$12.95), the utility program Video Tracker by Larry Tippett (\$12.95) to keep track of your videotapes (\$12.95), and the Mouse

support to his/her programs" (\$14.95). The last of these "contains extensively documented routines, with all source code, for Assembly, c99, Fortran 99/9640, and Extended BASIC programmers." (In case you were wondering, the MDP is supposed to enable you to "take advantage of both the Asgard Mouse and the MYARC Mouse.")

If you like games, you'll be glad to hear that in addition to its own products (including the new games Checkers, Colors, Ti-Pei and the already mentioned Starbase Raiders), Asgard is now distributing selected products from Notung Software (TI Casion), Comprodine (Boxsteine, Living Tomb and War Zone), and Infocom (including six never-before-released adventure titles). Want to know more? Write to Asgard (see address above), and ask them to send you the Asgard Software 1991-1992 Entertainment Catalog!

CONSUMER COMPLAINT

No. I don't have a consumer complaint myself to make here right now, but I do have some suggestions as to in what way disappointed or frustrated Tlers should perhaps best respond to a situation where an order for a product has been sent but the product has not been received even though it has been several weeks (or even months?) since the order was sent. What should one do? Since distributing TI software/ hardware is rarely much of a moneymaking enterprise (most people who do it, I think, do it because they love the TI, and not because it puts groceries on the table) and since many "companies" are only made up of one or two people who can only work at it part-time, some patience needs to be exercised. Some companies that have had problems in the past in filling orders seem to taking steps to solve those problems. As I mentioned in my previous column, those who have had trouble getting products from JP Software should contact Jerry Coffey (9119 Tetterton Avenue, Vienna, VA 22182), providing full information, and he will attempt to see that the problems are resolved. Likewise, I've reported on the steps Asgard has taken (viz. the new role of Harry Brashear in the company) to solve similar problems in Asgard's keeping up with things. My guess is that the TI community has more than its share of individuals who are trying to do more than they can realistically accomplish (hence the delays sometimes experienced), but I think that any conscious attempt to defraud is extremely rare. On the other hand, when you've paid for a product, you have a right to receive either that product or, if



WORDSTAR USERS:

Call Us To Subscribe To Scroll WordStar Newsletper! (\$20.00/Tr.)

INTERNATIONAL SALES OFFICES:

USA: MENICO: CHILD. TEMADOR







to the second second

HARDWARE / TI-99ers In The '90s

🛥 FROM PAGE 84

product is not delivered within a reasonable period of time. What then should you do? My advice is essentially this: write polite, courteous letters, but make them increasingly firm. Remind the person or company that this is the second (or third) letter you have written. If you have had no success after three or four attempts, you may have to suggest that you may be forced to take more serious action if you do not get a suitable response within a stated period of time (the suitable response being either receipt of the product or refund of your money, if you prefer not to wait any longer), but that more serious action should, in my opinion, be taken only after you have made several attempts in a "kinder, gentler" fashion to no avail.

I myself have appreciated the

patience that subscribers to the Genial Traveler have displayed in the rather erratic publication of this magazine on disk. (I've had as many problems, I think, as Chris Bobbitt had in getting out his recent issue of Reflections!) True, GT subscribers have usually received free bonus disks for their patience in waiting, but without their patience it would have been even more difficult (or perhaps impossible?) to keep this TI diskazine going.

By the way, if you are a subscriber to GT for Volume 3 and have not yet received your copy of GT 3/2 or GT 3/3, please send a note to Barry Traver, 835 Green Valley Drive, Philadelphia, PA 19128. I think I do fairly well at getting problems resolved, BUT it sometimes takes me a couple of tries.

I know that other TI companies



are also "struggling but "hangin' in there," so my advice is this: (1) politely, firmly and persistently insist that you get either what you ordered or your money back (if you prefer that to continued waiting), and (2) try to encourage those TI vendors who you know have given much more to the TI community than they have ever received from it. In our orphan community, the "good guys" greatly outnumber the bad, but the "good guys" occasionally need some help and understanding to survive. THREE NATIONAL NETWORKS

No, I'm not talking about ABC, CBS and NBS: I'm talking about (TI Forum) on CompuServe, (TINET on) Delphi, and (TI RoundTable on) GEnie. Since you can get a 2400baud modem now for less than \$100 (and 1200-baud modems for even less money), telecommunications should be within the reach of most Tiers, and I know of no better way to keep up with what's happening in the TI world on a day-to-day basis. I've probably mentioned this before, but I don't think I ever gave instructions before on how to sign up.

For CompuServe, you can buy a starter kit for \$39.95 or less at many computer stores or bookstores (or call 614-457-8600 voice). For Delphi, with your modem (not voice!) call 800-695-4002, press ENTER twice when connected, type JOINDELPHI at the Username prompt, and type DELPHIFREE. For additional information on joining Delphi, call 800-544-4005 voice. For GEnie, set your modem for half duplex (a.k.a. local echo), call 800-638-8369, enter HHH when connected, and enter XTX99544, GENIE at the U#= prompt. For information voice on GEnie, call 800-638-9636.

Which one should you join? That's up to you. I can't offer you a really unbiased opinion, because I myself am the chief SYSOP (System Operator) for the TI RT on GEnie. Many Tlers are on more than one network (just as many people watch ABC, CBS and NBC), since telecommunications is such an excellent way to keep in contact with other Tlers across the country (and beyond!). On each, you will find (1) a message base, (2) a software library with thousands of programs available for the TI and Geneve, and (3) a regular schedule of "live" conferences frequently featuring wellknown TI figures answering questions or commenting on developments in the TI world.

In addition, don't neglect local TI electronic bulletin boards, many of which are doing an outstanding job. Some are doing so good a job, in fact, that some Tlers spend as much money phoning such boards long distance as other Tlers spend on CompuServe, Delphi or GEnie! (If there is interest, perhaps I can suggest in a future column some local TI BBSs especially worthy of attention.)

The important thing is that we form as many links as we can with other Tlers. One way to do this is to join a local TI user group (or a nonlocal TI user group, if there is no local group available!). Another way to do this is through telecommunications, so if you've never explored how you might become involved in this activity, I recommend that you check it out! Well, once again, I'm out of space and time, so I hope I've said enough to demonstrate that the TI is still alive and well and living on planet earth, so keep on compuTIn?

MIGNU- A 300-23 31188	MICHO- X 200-22 21330						
MICRO- X 386-40 \$1399	MICRO- X 486-33 \$1899						
*386-33 W/64K CACHE: 4	186-25/33 W/128K CACHE						
ALL SYSTEMS INCLUDE: MINI TOWER DIGITAL CASE W/200W P.S. 1MG BONS RAM EXPANDABLE TO 4-32MG SEAGATE 45MG HARD DISK 29MS PANASONIC 1.2MG OR 1.44MG FDD VGA COLOR MONITOR 640 × 400 SUPER VGA 16 BIT CARD 800 × 600 W/256K ENHANCED 101 KEY KEYBOARD 2 SERIAL, PRINTER, AND GAME PORTS CLOCK CALENDAR & BACKUP BATTERY LIFETIME LABOR, 1 YEAR PARTS WARRANTY	FOR UPGRADES ADD: MENORY: \$59 PER MG FLOPPY DRIVE: \$59 SEAGATE HARD DRIVES: 89MG 17MS + \$150 129MG 17MS + \$250; 212MG 14MS + \$450 SUPER VGA MONITOR 1024 × 768 .28 PITCH \$100 SUPER VGA MONITOR 1024 × 768 W/512K \$50 SUPER MEGA VGA CARD 1024 × 768 W/512K \$50 SUPER MEGA VGA CARD 1024 × 768 W/1MG \$99 DIGITAL BABY AT CASE W/200 WATT \$20 DIGITAL MD TOWER CASE W/200 WATT \$40 DIGITAL FULL TOWER CASE W/230 WATT \$75						
BRAND NAME COMPONENTS							
CASES W/200WMINI TOWER DIGITAL\$79MID TOWER DIGITAL\$129FULL TOWER W/230\$159BABY AT DIGITAL\$99	Image: Constraint of the second state Constraint of the second state State						
COPROCESSORS \$99 ADM 80287-10 \$99 INTEL 80387SX-16 \$139 INTEL 80387-25 \$239 INTEL 80387-33 \$259	ACCESSORIES: 2400 MODEM \$55 96/24 FAX/MODEM \$119 SOUND BLASTER \$129 120MG BACKUP \$229 250MG BACKUP \$299 A4TECH 64GRAY SCANNER \$149						
BAREBONES: 286 - 12/16MHZ \$250 386SX - 16MHZ \$399 386 - 25MHZ \$499 386 - 33MHZ \$699 BAREBONES INCLUDE: DIGITAL MINI \$699	A4TECH 258GRAY SCANNER \$199 A4TECH COLOR SCANNER \$399 A4TECH MOUSE W/PAD, HOUSE \$25 BEETLE PS2 MOUSE \$29 \$710E0						
TOWER, 200W POWER SUPPLY, 1MG 80 NS RAM, SIDE 2FDD/1HDD CONTR., 2 SER., PAR., GAME MOTHERODAROS	VGA PACKARD BELL 640 × 480 \$199 SVGA KFC 1024 × 788 28 PITCH \$279 SVGA KFC NON-INTERLACED \$359 1024 × 768 28 PITCH \$359 OAK 800 × 600 256K SVGA CARD \$59 TRIDENT SVGA 1024 × 768 W/512 \$89						
NEAT 286-12/16MHZ \$79 3865X-16 \$199 386-25MHZ \$299 386-33M 64KCACHE \$399 486-33 64KCACHE \$899	W/1MG \$89 FLOPPY DRIVES PANASONIC 1.2MG 5½" \$55 PANASONIC 1.44MG 3½" \$55 TEAC 1.2MG 5½" \$59						
SEAGATE DRIVES: 157A 45MG 28MS \$179 1102 89MG 17MS \$279 1144 129MG 17MS \$379 1239 212MG 14MS \$579 IDE/SIDE \$19/29	TEAC 1.44MG 3½" \$50 PANASONIC PHINTERS: \$50 KX-P4420 LASER 8PPM \$809 KX-P1624 WIDE 24 PIN \$359 KX-P1624 WIDE 24 PIN \$359 KX-P1124I NEW 24 PIN \$299 KX-P1123 24 PIN \$239						





CM DECEMBER '91 94