

## **Assistive Technology Resources<sup>1</sup> for Persons Who Are Blind or Visually Impaired**

Written By: Diane C. Bristow, M.S., CCC-SLP and Gail L. Pickering, M.A.

AI SQUARED

P.O. Box 669

Manchester Center, VT 05255-0669

(802) 362-3612

FAX: (802) 362-1670

<u>Equipment</u>	<u>Brief Description</u>
*Zoom Text	*(2x to 16x) Text enlargement software *DOS only
*Zoom Text Plus	*Text enlargement software for Windows™ and DOS.
*Zoom Text 5.0	*Text enlargement software for Windows™. *Will update for Windows™ 95.
*InFocus	*2x text magnification only.
*VisAbility	*Computerized CCTV using a flatbed scanner *Magnifies 1x to 32x

ANN MORRIS ENTERPRISES, INC.

890 Fams Court

East Meadow, NY 11554-5101

(516) 292-9232

FAX: (516) 564-9692

<u>Equipment</u>	<u>Brief Description</u>
*Talking Calculator	
*Talking Clock	
*Braille Slate and Stylus	
*Large Digit Calculator	
*Walkmate	*Electronic mobility aid that is worn around neck and attaches to a hand-held unit that emits either audible signals or vibrates to

---

<sup>1</sup> Users are advised to check with any manufacturer regarding product's compatibility with Windows™ 95.

indicate an obstacle. The sound and vibration signals at 7 feet and intensifies at 4 feet from impact. The field coverage is about 3 feet wide and 6 feet high.

ARKENSTONE, INC.  
1390 Borregas Avenue  
Sunnyvale, CA 34809  
(408) 752-2200  
FAX: (408) 745-6739  
(800) 444-4443

<u>Equipment</u>	<u>Brief Description</u>
<b><i>Optical Character Recognition Hardware/Software</i></b>	
*Arkenclone	*A Pentium 600 mg Hz clone with 4 MB RAM and a 210 MB hard drive computer only that is packaged with the Open Book Unbound to become an OCR with the use of an HP IIIp scanner. None of the Arkenclone computers are equipped with monitors.
*Open Book Unbound	*OCR software with an HP Hewlett Packard IIIp scanner that is operational with the Arkenclone or any other 486 computer.
*Open Book Deluxe	
*Open Book Premium Edition	*Includes a Pentium computer, bundled with OCR software and the HP IIIp scanner.
*Global Satellite Positioning Device	*Under development. Tells you the direction and location to travel, once it has first been mapped out.

ARTIC TECHNOLOGIES  
55 Park Street, Suite 2  
Troy, MI 48083-2753  
(313) 588-7370  
FAX: (313) 588-2650  
(800) 677-3848 Technical Support

<u>Equipment</u>	<u>Brief Description</u>
<b><i>Screen Reading Systems</i></b>	
*Artic Win Vision 2.0	*Screen reading software for Windows™

- 2.0
- \*Business Vision \*A DOS based screen reader for use with Artic or DECTalk synthesizers which are purchased separately.
  - \*Business Vision Omni \*Screen reading software for third party speech products.
  - \*Win Vision for Windows™ \*Screen reading software for MS Windows™ 3.1 requiring Business Vision.
  - \*Win Vision Solo \*Screen reading software for Windows™ that works without Business Vision.

***Note-Taker/Personal Data Assistant Speech Synthesizers***

- \*Artic TransType \*A talking notetaker with spell checker and personal data organizer, based on a mini-QWERTY keyboard with minimal keys and standard spacing. Has an extended keyboard option for number-cursor keypad/ Memory is provided through a slide-in cartridge.
- \*Artic Trans Type Deluxe \*Same as above with better speech and increased memory.
- \*Artic TransBook \*A portable book file reading computer with speech synthesis. Documents can be downloaded into the TransBook RAM disk or Micro Flash data cards and read anywhere using the navigation keypad.

***Battery Operated Portable RS-232 Speech Synthesizers***

- \*Transport Classic w/Vest \*A battery operated, portable speech synthesizer with special features.
- \*Mini TransPort w/Vest \*Miniature synthesizer with Flash Disk and special features.
- \*Mini Transport Deluxe w/ Extra 512K Flash Disk, (P.A.I.) AdVEST \*Higher quality speech synthesizer.
- \*DECTalk PC \*Serial DECTalk speech synthesizer (no special features).

***Internal PC Speech Synthesizers***

- \*SynPhonix Basic w/TTS      \*Generic speech synthesizer for third party software.
- \*SynPhonix Classic w/Vest      \*Special speech synthesizer requires Business Vision.
- \*SynPhonix Deluxe, AdVEST      \*Advanced Universal synthesizer for Vision and other screen reading programs.
- \*DECTalk PC      \*DECTalk 4 to be combined with screen reading programs.

***Options and Accessories***

- \*Artic Gizmo II Pad      \*That Pad is a multi-function external keypad designed for use with Artic's speech-based screen access (Visions). With the Gizmo the entry screen can be navigated and read in a directed manner.

***Text Enlargement for DOS and Windows™***

- \*Artic Premier Magnum Deluxe      \*Text enlargement for DOS & Windows™ 3.1.
- \*Artic Magnum GT      \*Basic 8x text enlargement for DOS & Windows™ 3.1.

BERKELEY SYSTEMS, INC.  
 2095 Rose Street  
 Berkeley, CA 94704  
 (510) 540-5115  
 FAX: (510) 540-5115

Equipment      Brief Description

***Screen Reading Systems***

- \*outSPOKEN 1.7.1      \*Screen Read for Apple Power Mac.
- \*outSPOKEN 1.7.5      \*Screen Reader for any Apple Macintosh, except Quadra AV (soon to be released).
- \*outSPOKEN 1.7      \*Screen reader for Macintosh.
- \*outSPOKEN      \*Screen reader for Windows™ 3.1 (PC & Compatibles).

***Text Enlargement Programs***

- \*inLARGE 2.0      \*Text enlargement for Apple Macintosh.
- \*inLARGE      \*Text enlargement for Apple Power Mac (available in near future).

**BIOLINK COMPUTER R&D LTD.**

4770 Glenwood Avenue

North Vancouver, B.C.

Canada V7R 4G8

(604) 984-4099

FAX: (604) 985-8493

Equipment

Brief Description

\*Protalk 32

\*Speech and Braille output for Windows™  
3.1, NT and 95.

**BLAZIE ENGINEERING**

105 E. Jarrettsville Road

Forest Hill, MD 21050

(410) 893-9333

FAX: (410) 836-5040

Equipment

Brief Description

***Notetakers***

\*Braille 'n Speak 640

\*Talking Braille notetaker with Braille keyboard, Grade 2 Braille back translator for print output, talking clock, calendar, telephone directory, word processing capabilities w/spell check, talking calculator and stopwatch. Runs external software. One-handed operation model available. Serial port for interfacing capabilities. Available in 11 languages.

\*Braille Lite

\*Same features and structure as the Braille 'n Speak but with an 18-cell refreshable 8-dot Braille display. See description under Braille 'n Speak.

\*Type 'n Speak

\*Portable standard QWERTY keyboard with the same features and capabilities as the Braille 'n Speak. See description under Braille 'n Speak.

\*Disk Drive Accessory

\*Data storage system.

***Braille Embossers***

\*Braille Blazer

\*Braille embosser/printer that prints on light-weight paper or Braille paper (tractor

- feed). Features a plastic mode for production of Braille signs and labels. Also prints in sideways mode. Blazer can accommodate computer paper, small items such as tractor-fed index card, labels, etc. Prints 15cps in 6 or 8 dot Braille. Size 15"X10"x5". Weight approximately 12 lbs.
- \*Braille BookMaker \*Produces interpoint Braille. Prints on tractor-feed paper 20-100 lb. paper, adhesive backed plastic or light metal foils. Produces interpoint Braille at 80cps. Text can be embossed either vertically or horizontally on the page. Size 21-1/4"x18"x8-3/4". Weight 52lbs.
  - \*Braille Express \*High-volume commercial Braille production. Operates at 150cps. Generates approximately 500 pages in 1 hour. Also stores 500 page file. Has same features as BookMaker but produces Braille twice as fast.
  - \*ETgraphX \*Converts conventional images from PC into tactile graphics. Operates w/any MS-DOS 2.0 or higher compatible computer with a standard CGA, EGA, or VGA graphic adapter. With a drawing program such as Paintbrush IV or a scanner, it can produce image as a Braille graphic.
  - \*pixCELLS \*Braille Graphics used with Apple II and any Braille embosser. Allows user to create Braille graphics from scratch. Also works with proDOS files, pixCELLS automatically converts DOS 3.3 files to proDOS.

### ***Speech Synthesizers***

- \*Accent Series
- \*Messenger-IC
- \*Audapter Speech System
- \*Double Talk PC
- \*DECTalk PC
- \*DECTalk Express

- \*Lite Talk
- \*The Sounding Board

***Specialized Software:***

- \*Easy- Braille Translator      \*Designed for use with the Braille ‘n Speak, Braille Lite or Type ‘n Speak, which translates ASCII text file into formatted Grade 2 Braille.
- \*Checkbook Program            \*Electronic checkbook register for use with Braille ‘n Speak, Braille Lite, or Type ‘n Speak.
- \*Braille-Term Program        \*Combined with Braille ‘n Speak, Braille Lite or Type ‘n Speak to provide on-line speed, flexibility and access. Features include 50-entry dialing directory, auto-dial for re-dial, Hayes-compatible modem control, ability to save messages from on-line services into a separate log file, and a set-up menu with user-adjustable parameters.
- \*PC Master                        \*DOS software which allows the Braille ‘n Speak, Braille Lite, or Type ‘n Speak to take the place of the computer keyboard. Grade 2 Braille can be typed directly into your word processor or editor. The reverse translator and typing in Braille allow regular print characters to be entered into the computer.
- \*Windows Master                \*Software that allows speech and Braille access to Windows™ on a personal computer through Braille ‘n Speak, Braille Lite, or Type ‘n Speak.

***Special Devices***

- \*Temp Talk                        \*Talking thermometer.
- \*Audiocalc                        \*Talking scientific calculator.

**BRaille INSTITUTE LIBRARY**  
 741 North Vermont Avenue  
 Los Angeles, CA 90020

(800) 242-9486  
(213) 660-3880  
FAX: (213) 663-0867

Equipment

- \*Talking books on cassettes
- \*Talking books on records
- \*Braille books
- \*Magazines in Braille
- \*Magazines in Braille
- \*Magazines on records
- \*\*\*Note: This facility is for California residents. Check your own city for equivalent services.

BRYTECH  
P.O. Box 8823  
Ottawa, Ontario, Canada K1G312  
(613) 727-5800  
FAX: (613) 727-5130

Equipment

Brief Description

- |             |                              |
|-------------|------------------------------|
| *NoteTeller | *Identifies dollar bills.    |
| *Sensory 6  | *Ultrasonic mobility device. |

DISCOVER CARD SERVICES, INC.  
2500 Lake Cook Road  
Riverwoods, IL 60015  
(800) 347-6673, Ext. 24

Equipment

Brief Description

- |                 |  |
|-----------------|--|
| *Special Touch™ | *Voice credit card authorization system. |
|-----------------|--|

DUXBURY SYSTEMS, INC.  
435 King Street  
P.O. Box 1504  
Littleton, MA 01460  
(508) 486-9766  
FAX: (508) 486-9721

Equipment

Brief Description

***For IBM & IBM Compatibles***

- |   |  |
|---|--|
| *Duxbury Braille Translator<br>(DOS and Windows™) | *Braille translator for IBM PC compatible computers. |
| *DUXWP  | *Braille translator for Word Perfect.                |



- \*Nemeth Math Supplement
- \*Language Supplements      \*Available in French and Spanish.
- \*Edgar      \*6-key on-screen Braille editor.
- \*Braille Board for Windows™ \*Used for Braille sign production.
- \*Braille Fonts for Adobe Type Manager      \*Used for teaching Braille transcribers or making signs.

***Macintosh***

- \*Duxbury Braille Translator      \*Braille Translator for Macintosh.

EASIER WAYS, INC.  
 1101 N. Calvert Street, Suite 405  
 Baltimore, MD 21202-3840  
 (401) 659-0232  
 FAX: (401) 659-0233

<u>Equipment</u>	<u>Brief Description</u>
------------------	--------------------------

- \*Appointment Minder
- \*Automatic Needle Threader
- \*Electronic Talking Cash Register
- \*Large Numeral Watches
- \*Signature and Check Writing Guide
- \*Large Numeral Clocks
- \*Talking Calculator
- \*Voice Activated Cassette Tape Recorders
- \*Talking Watches/Clocks

ENABLING TECHNOLOGIES COMPANY  
 S.E. Jay Street  
 Stuart, FL 34997  
 (800) 777-3687  
 (407) 283-4817  
 FAX: (407) 220-2920

<u>Equipment</u>	<u>Brief Description</u>
------------------	--------------------------

***Braille Embossers***

- \*Braille BookMaker      \*Prints on tractor-feed paper. Optional sheet feeder available for loose materials. Prints on 20 to 100 lb., paper adhesive-backed plastic or light metal foils. Produces interpoint Braille at 80cps. Single-sided

operation embosses at 50cps. Sixteen configuration menus for custom-formatted data. Multi-copy buffer stores a 30-page file. Text can be embossed either vertically or horizontally. Capable of embossing over 1500 sheets without stopping for a paper change.

\*Braille Express

\*Offers same features as the BookMaker, but produces Braille almost twice as fast.

\*ETgraphX

\*Braille graphics software.

\*Juliet

\*Prints on tractor feed paper. Optional sheet feeder available for loose materials. Prints on 20 to 100 lb. paper adhesive backed plastic or light metal foils. Produces interpoint Braille at 55 cps. Single-side operation embosses at 40 cps. Multi-copy buffer store a 30-page file. Text can be embossed either horizontally or vertically. Capable of embossing over 1,500 sheets without stopping for a paper change.

\*Marathon

\*Single-sided table top printer. Prints 200 cps or approximately 12 pages per minute. Multi-copy function. Menu selections may be verified either in Braille or via the built-in 32 character visual display.

\*PED-30

\*Plate embossing for Braille publishing house.

\*Romeo

\*Prints on tractor-feed paper. Prints on 20 to 100 lb. paper adhesive backed plastic or light metal foils. Sixteen configuration menus for custom-formatted data. Paper-out detector included.

\*Romeo B25 Embosser

\*Low cost embosser.

\*Thomas

\*Desktop machine with an operating speed of 40 cps which allows it to produce more than 120 pages per hour. Offers the following features: high-resolution graphics, multi-copy buffer, multi-strike feature for well defined Braille on heavy plastics and

some light metals, optional single sheet operation, and raised print characters. Fully compatible with Braille translators for the IBM, Apple and Macintosh. Produces Grade 2 Braille. Text can be embossed either vertically or horizontally.

\*Transend Embosser

\*Braille and print on the same page.

***Telephone Communication***

\*InfoTouch

\*Telephone communication to Braille printer.

\*LiteTouch

\*Telephone communication with refreshable Braille display.

**ESCHENBACH OPTIK OF AMERICA, INC.**

904 Ethan Allen Highway

Ridgefield, CT 06877

(203) 438-7471

FAX: (203) 431-4718

Equipment

Brief Description

***Low Vision Aids***

\*Magnifiers

\*Telescopes

\*Telemicroscopes

\*Headbourne

\*Mounted Magnification System

\*Monocular Mounting Kits

\*Electronic Magnifier

\*Reading Stands

**GW MICRO**

310 Racquet Drive

Fort Wayne, IN 46825

(219) 483-9625

FAX: (219) 482-2492

Equipment

Brief Description

***IBM & PC Compatible***

\*Vocal Eyes

\*Screen reading program software.

\*Braille- Talk

\*Braille translation software.

\*Noteworthy

\*Pop-up notetaker.

\*Calcworthy

\*Pop-up calculator.

- \*Small Talk PC
- \*LP- DOS
- \*Dragon/Voice Type Version of Vocal Eyes
- \*Window Eyes

- \*Print enlargement software.
- \*Speech recognition with Speak-Out synthesizer (Speech I/O).
- \*Windows™ screen reading program.

***Apple and Macintosh***

- \*Calc-Talk
- \*Word Talk
- \*Term Talk
- \*File Talk
- \*Braille Talk

- \*Scientific calculator software.
- \*Word processing software.
- \*Communication software.
- \*Data-base software.
- \*Braille translator software.

***Speech Synthesizers***

- \*Sounding Board
- \*Echo II/LC
- \*Speak- Out

- \*Speech synthesizer for IBM and compatibles.
- \*Speech synthesizers for Apple II and GS.
- \*External speech synthesizer for serial or parallel ports for Macintosh or PC.

HENTER-JOYCE, INC.  
 21600 62<sup>nd</sup> Avenue North  
 St. Petersburg, FL 33702  
 (813) 576-5658  
 (800) 336-5658  
 FAX: (813) 528-8901  
 BBS: (813) 579-0099  
 Email: [72150.575@compuserve.com](mailto:72150.575@compuserve.com)

<u>Equipment</u>	<u>Brief Description</u>
------------------	--------------------------

***Screen Reading Programs***

- |                            |                                       |
|----------------------------|---------------------------------------|
| *JAWS Job Access 2.3       | *Screen reading program for DOS.      |
| *FORM-MATE software        | *Pre-printed form access.             |
| *JFW-JAWS for Windows™ 3.1 | *Screen reading program for Windows™. |

HUMANWARE, INC.  
 6245 King Road  
 Loomis, CA 95650  
 (916) 652-7253

(800) 722-3393  
FAX: (916) 652-7296

<u>Equipment</u>	<u>Brief Description</u>
------------------	--------------------------

***Screen Reading Programs***

- |                                     |   |
|-------------------------------------|---|
| *Keynote Gold Screen Reading System | *Screen reader for IBM compatible systems that operates on a desktop or laptop computer.                          |
| *Keynote Companion                  | *Screen reader on a palmtop computer.   |
| *Window Bridge                      | *Screen reader for MS Windows™.   |
| *Master Touch & Master Touch Tablet | *MS DOS-based screen reading program that uses a touch tablet to provide orientation information from the screen. |

***Speech Synthesizers***

- |                          |   |
|--------------------------|---|
| *Keynote Gold SA         | *Available in English, Spanish, French, and German.   |
| *Keynote Gold PC         | *External speech synthesizer.   |
| *Keynote Gold Voice Card | *Internal speech synthesizer.   |
| *Keynote Companion       | *OCMCIA voice care for Type II slot computers.  |
|                          | *Palmtop computer that interfaces with an IBM compatible computer to function as a synthesizer. |

***Braille Embossers/Writer/Translator***

- |                               |  |
|-------------------------------|--|
| *Braille 'n Print             | *Connects to a Perkins Braille to provide standard print output simultaneously with Grade 2 Braille from the Perkins Braille.  |
| *Mountbatten Braille keyboard | *Electronic battery operated Braille with built-in memory, auto-correction features, and formatting controls. It can be used as an embosser for a computer or as a Braille translation device. It can translate from print into Braille or Braille into print. |
| *Thomas                       | *Features include: 40cps, single-sided embossing and graphics capabilities. Uses a standard plus variable paper sizes and weights, and has tractor feed capability.  |
| *Ramsey Braille Interface     | *Hardware translator for Grade 2 Braille.  |

### ***Refreshable Braille Terminals***

- \*Alva Braille Terminals
  - Portable Models:
  - Desktop Models:
- \*All versions have eight-dot Braille cells.
  - \*23 and 43 Braille cells.
  - \*45 and 85 Braille cells.

### ***Graphics Tablet***

- \*Nomad
- \*A touch-sensitive board on top of which raised letter graphics or pictures can be placed. It plugs into the serial port of an MS DOS computer which has a speech board. As the user presses different parts of the graphic the Nomad announces what has been pressed (e.g., as you press a state on the map of the U.S. it would tell you the name of the state).

### ***Electronic Mobility Aids***

- \*Mowat Sensor
- \*Small hand-held sensor device that can be used as an orientation and navigation aid. It has rechargeable batteries that last 8 hours or the sensor will operate on transistor batteries. It has two ranges: one for indoor situations and one for long range settings.

### ***Computer Accessories***

- \*Eye Relief
  - \*VisAbility
- \*Large print word processing software.
  - \*Enlargement software requiring a scanner.

### ***Low Vision Products***

- \*ClearView 2000 CCTV
  - \*Clear View Classic
  - \*Viewpoint VGA
  - VPW
  - VPC
- \*B/W and color 14", 17", and 20" (side-by-side unit only).
  - \*B/W with a flat screen. Low cost model.
  - \*3 portable CCTV models that incorporate a hand-held CCD camera. Options include: VGA Handwriting stand and computer compatibility.
  - \*VGA Mono 14" b/w.
  - \*VGA Multi 14" b/w with 8 selectable colors.

-VPB

\*VGA Mono 19" can use varying size monitors up to 32".

I.A.T. (INTEGRATED ASSISTIVE TECHNOLOGIES)  
ROBOTRON NORTH AMERICAN  
DISTRIBUTOR & SERVICE

Shipping Address: 1257 Michigan Drive  
Coquitlam, B.C.  
Canada V3B 6T7

OR

I.A.T USA  
P.O. Box 8110-751  
250 H Street  
Blaine, WA 98230  
(604) 434-9755

Equipment Brief Description

\*See Robotron for equipment listing and product description.

IBM

Independent Services  
Info Center

1000 N.W. 51<sup>st</sup> Street  
Boca Raton, FL 33432  
(800) 426-4832

(800) 426-4833 (TDD)  
(800) 426-8637 (Technical Support)

FAX: (407) 982-6059

To Order Screen Reader call: IBM Direct Response Marketing at 1-800-426-7630.

Equipment Brief Description

***Screen Readers***

\*Screen Reader DOS                      \*For DOS 3.3 or higher.  
\*Screen Reader/2                          \*For OS/2 V.2.1.

***Text Enlargement***

\*Screen Magnifier OS/2 2.1              \*Enlarges from 2 to 32 times.  
\*IBM PC                                      \*Shop for products that have been  
Factory Outlet                              refurbished or are excess inventory at  
reduced prices. 9:00 A.M. to 5:30 P.M. ET  
Monday through Friday. 1-800-426-7015.

\*IBM PC Direct

\*If you are unable to find what you need at the Factory Outlet, call 1-800-426-7630 IBM PC Direct. An IBM representative will give an additional discount with proof of a disability (a letter from your doctor verifying disability is sufficient). This discount applies to most IBM products.

INNOVENTIONS, INC.  
5921 S. Middlefield Road  
Suite 102  
Littleton, CO 80123-2877  
(303) 797-6554  
(800) 854-6554

<u>Equipment</u>	<u>Brief Description</u>
------------------	--------------------------

***Portable CCTV's***

\*Magni-Cam

\*Hand-held camera that attaches to most TV's to enlarge images.

\*Head mounted version

\*Head mounted visual portable display device (in development).

INDEPENDENT LIVING AIDS

27 East Mall  
Plainview, NY 11803  
(800) 537-2118  
FAX: (516) 752-3135

Equipment

- \*Large Numeral Watches/Clocks
- \*Large Numeral Telephones
- \*Braille Slate and Styluses
- \*Brailled Desk Calendar
- \*Talking Calculators
- \*Large Print Dictionary and World Atlas
- \*Writing Guides
- \*Bookstand
- \*Braille Watches
- \*Magnifiers

KANSYS, INC.  
P.O. Box 1070



Lawrence, KS 66044-8070  
(913) 843-0351  
(800) 279-4880  
Compuserve: 70431, 3476  
Internet: [KANSYSO@INK.ORG](mailto:KANSYSO@INK.ORG)

<u>Equipment</u>	<u>Brief Description</u>
*PROVOX 4	*Screen reading program that works with DOS 5 and supports more than a dozen speech synthesizers.
*LowRez	*Aids in the design of low resolution graphical displays for Braille embossing.
*Turbo Braille	*Grade 2 Braille translator.
*AUTO-BRAILLE	*A memory resident Grade 2 translator.

LIGHTHOUSE  
36-02 Northern Blvd.  
Long Island City, NY 11101  
(718) 937-6959  
(800) 453-4923 Product Info  
FAX (718) 786-0437

Equipment  
\*Braille Slates and Stylus  
\*Braille Labeling Aids  
\*Touchable Phone Dial  
\*Talking Clock  
\* "EZ IN" Needle Thermometer  
\*Now selling all of AFB's (American Federation for the Blind) products, except publications.  
\*Now selling all VisAids Products

LS & S GROUP INC.  
P.O. Box 673  
Northbrook, IL 60065  
(708) 498-9777 Customer Service  
(800) 468-4789 Orders  
FAX: (708) 498-1482 (24 Hours)

Equipment  
***Low Vision Products***  
\*Talking Watches/Clocks

- \*Talking Calculators
- \*Wide Variety of Low Vision Products

MAGISIGHT  
 P.O. Box 2653  
 Colorado Springs, CO 80901  
 (800) 753-4767

<u>Equipment</u>	<u>Brief Description</u>
*Mini Reader System	*Portable b/w or color CCTV.

MICROSYSTEMS SOFTWARE, INC.  
 600 Worcester Road  
 Framingham, MA 01701-5342  
 (508) 879-9000  
 (800) 828-2600  
 FAX: (508) 626-8515  
 Internet: microsys.com

<u>Equipment</u>	<u>Brief Description</u>
*MAGic	*Requires PC compatibles, VGA, SVGA, or XGA displays. A screen magnification software. MAGic enlarges text and graphics programs screens 2X and includes big cursor and smooth fonts. Requires 10K memory.
*MAGic Deluxe	*Requires PC compatibles, VGA, SVGA, or XGA, displays. A screen magnification software which magnifies text, graphics, and Windows™ application to 2x, plus can take test-based applications up to 4, 6, 8 or 12X and Windows™ applications up to 8X. Requires 15K of memory.

NATIONAL ASSOCIATION FOR VISUALLY HANDICAPPED  
 22 West 21<sup>st</sup> Street- 6<sup>th</sup> Floor  
 New York, NY 10010  
 (212) 889-3141  
 FAX: (212) 727-2931

<u>Equipment</u>	<u>Brief Description</u>
<i>Low Vision Products</i>	
*Magnifiers	

- \*Talkman Four-track player
- \*Writing Aids
- \*Large Numeral Watches
- \*Enlarged Telephone Dial
- \*Touchable Telephone

\*Audio cassette player.

NEC TECHNOLOGIES, INC.  
 1255 Michael Drive  
 Wood Dale, IL 60191-1094  
 (800) 632-4236  
 (800) 366-0476 Fast FAX  
 (800) 343-4418 Canada

<u>Equipment</u>	<u>Brief Description</u>
*MultiSync Monitor	*A flat square multiple frequency color monitor 15", 17", and 21".
*MultiSync Monitor Lens	*Anti-glare monitor protection.

OPTELEC US, INC.  
 6 Liberty Way  
 P.O. Box 729  
 Westford, MA 01886  
 (508) 392-0707  
 (800) 828-1056  
 FAX: (508) 692-6073

<u>Equipment</u>	<u>Brief Description</u>
*20/20	*14" b/w CCTV
*20/20 Plus	*20" b/w CCTV with 20 color selection.
*20/20 Spectrum	*20" full color CCTV and 20 color selection.
*Spectrum Jr.	*14" full color CCTV and 20 color selections.
*Passport	*Portable desktop CCTV (a built-in system).
*Bright Eye	*Portable CCTV with head mounted display monitor.
*Remote Camera	*20/20 CCTV available for all units except Bright Eye.
*Movable Arm	*20/20 CCTV available for all units except Bright Eye.

## RAISED DOT COMPUTING

408 South Baldwin Street

Madison, WI 53703

(800) 347-9594

FAX: (608) 257-4143

<u>Equipment</u>	<u>Brief Description</u>
------------------	--------------------------

### ***For IBM & IBM Compatibles***

\*MEGA DOTS

\*Braille translation software.

Supplementary spell checker that correct OCR "scanno" errors also available at additional cost.

### ***Screen Reading Programs***

\*ASAP

\*DOS based screen reader.

\*Flipper

\*DOS based screen reader.

### ***Speech Synthesizer***

\*Audapter

\*Double Talk

### ***Tutorials***

\*Talk-to-Me

\*A series of cassette tutorials for popular software application programs (e.g., Lotus, Dbase).

### ***Apple II Series***

\*Bex

\*Braille translation software.

## RECORDINGS FOR THE BLIND

20 Roszel Road

Princeton, NJ 08540

(800) 221-4792

FAX: (609) 987-8116

This service is available to members only. There is a one-time membership fee. Call RFB for specific membership information and charges for computerized books.

<u>Equipment</u>	<u>Brief Description</u>
------------------	--------------------------

\*Books on Tape

\*BookManager

\*A software application that allows for note taking in the margins, allows for quick searches by word, page number, etc.

\*Computerized Books

\*Books on computer disk. There is an additional charge for books on disk.

ROBOTRON PTY. LTD.

15/428 St. Kilda Rd.

Melbourne 3004 Australia

Tele: (03) 867-6322

FAX: (03) 820-1254

Canada: (604) 434-7271

USA/Canada: (604) 434-9755

Equipment

Brief Description

\*Eureka A4

\*Portable Braille notetaker with calculator, music composer, thermometer, telephone directory, calendar and clock. DOS compatible. It can be interfaced with DOS based computers for downloading of files or direct printer access. Direct access to Braille embossers.

\*Rosetta

\*A DOS based optical character reader (OCR).

\*Eureka A4

\*A hand scanner optical character reader (OCR).

***Electronic Mobility Aids***

\*Columbus

\*A digitized hand-held compass. Available in English, Spanish, German, French, or in any combination of the two. If desired in a language other than listed, send the company a cassette recording of the vocabulary.

SCHAMEX RESEARCH

19201 Parthenia Street, Unit H

Northridge, CA 912324

(818) 772-6644

Equipment

Brief Description

\*ReadMan

\*Optical Character Recognition system.

## SEEWELL READING ENHANCERS

Division of Advanced Medical Instruments

P.O. Box 5826

San Clemente, CA 92674

(714) 366-3188

<u>Equipment</u>	<u>Brief Description</u>
*Seewell Reading Enhancer	*Hand held CCTV.

## SKISOFT TECHNOLOGIES INC .

1644 Massachusetts Avenue, Suite 79

Lexington, MA 02173

(800) 662-3688

(617) 863-1876

FAX: (617) 861-0086

<u>Equipment</u>	<u>Brief Description</u>
*Eye Relief	*Large text word processor.
*No Squint II	*Cursor Enlargement.

## SEEING TECHNOLOGIES, INC.

7074 Brooklyn Blvd.

Minneapolis, MN 55429

(800) 462-3738

(612) 560-8080

FAX: (612) 560-0663

<u>Equipment</u>	<u>Brief Description</u>
*Seetec MAGic	*Memory resident magnification program for PC's and laptops.
*National CCTV Headquarters	*Seeing Technologies sells and buys back all brands and models of CCTV's. They will accept trade-ins and lease CCTV's.

## TELESENSORY SYSTEMS, INC

455 North Bernardo Avenue

P.O. Box 7455

Mountain View, CA 94039-7455

(800) 227-8418

(415) 960-920

FAX: (415) 969-9064

<u>Equipment</u>	<u>Brief Description</u>
------------------	--------------------------

### ***Braille Notetakers and Refreshable Braille Displays***

- \*BrailleMate 2                    \*A hand-held Braille notetaker featuring a Braille keyboard, one 8-dot Braille cell, and standard built-in speech synthesizer. The BrailleMate 2 comes with 2 MB Flash Memory. It includes a word processor, calculator, clock, phone book, appointment book, ASCII terminal mode for on-line interaction with another computer or data service and supports modem or direct connection. It also allows for larger Braille display options through connection with PowerBraille 40 or the Navigator refreshable Braille systems with output in 20, 40, or 80 character formats.
- \*Braille Mate 2+2               \*Same as above, except the BrailleMate 2+2 comes with 4 MB Flash memory.
- \*Braille Power 40               \*PowerBraille 40 is a battery powered computer access refreshable Braille display, which is compatible with notebook and desktop computers. It translates computer screen information into 40-cell 8-dot Grade 2 refreshable Braille.
- \*Navigator 80                   \*Navigator 80 us a computer access refreshable Grade 2 Braille display with 80 cells in 8-dot Braille.

### ***Braille Displays Integrate with Keyboards (INKA)***

- \*INKA Basic                      \*An Integrated Keyboard Access which utilizes a standard QWERTY keyboard integrated with a 40+4 cell Braille display. INKA loads driver software directly into a computer and plugs into any keyboard port.
- \*INKA Pro                        \*Same as above but includes the following options: speech synthesizer, additional 12 Braille elements and VISION, SWING, and Cursor Star software. Additional options are also available.

### ***Tactile Reading Devices***

**\*Optacon II System**

\*The Optacon II is a tactile reading device that consists of three major components: the camera, a control unit and a tactile array. It converts regular print or computer output into an enlarged, vibrating, tactile form. To read print, the user moves the camera across a line of print with one hand while the index finger of the other hand is placed on the tactile array. As the camera moves across the letter in the line, it is sent to the device electronically to produce an image on the tactile array by 100 vibrating rods.

***Braille Notebook Computer***

**\*David 90 (486)**

\*A PC designed to incorporate all available access technologies into a single package, including tactile Braille, and synthetic speech. David is designed around the Intel 486SL processor operating at 25MHz and features 6MB RAM with compatibility to increase to 8 MB RAM maximum, a 120 MB hard disk, 1.44 MB diskette drive, serial and parallel interfaces. Its tactile, refreshable Braille display is composed of 40 8-dot Braille cells, plus an additional four Braille cell status attribute display. It provides(OSP) Optical Sensor Pointer technology for display navigation, cursor routing, and other functions. The OPS serves as a “Braille Mouse.” Synthetic speech function also operates in parallel with the Braille display. It has a menu-driven configuration program, a 16 key pad used to control as many as 15 layers of commands, which provides 240 user-definable functions. David runs most standard software, but also includes it’s own memory-resident desktop such as: text editing, database, mailmerge, communications, notepad, calculators, clock



and calendar. David System 90 has been designed to run Windows™ applications without hardware modifications. Other models and options available.

### ***Screen Reading Programs***

- \*Screen Power \*Screen reading for Speech 2.0 PC-DOS or MS-DOS only.
- \*Screen Power Braille \*Braille 2.0 provides Braille access with the PowerBraille 40 refreshable Braille system.
- \*SPWin \*Screen reader for Windows™ 3.1  
(Note: Windows™ 95 available January 1996).

### ***Optical Character Recognition***

- \*OsCaR \*OCR software for DOS only.

### ***Braille Embossers***

- \*Versapoint \*Provides the following features: 6 or 8-dot Braille, sideways printing available, Grade 1 and 2, foreign language, continuous form tractor feed only, 40 characters per second, and 30,000 character buffer. Weight 45 lbs.
- \*Porta Thiel \*Provides the following features: 6 or 8-dot Braille, single sheet continuous form, 10 characters per second, serial and parallel interfaces standards. Weight: 9.9 lbs. (4.5 kg).
- \*Beta 3x \*Provides the following features: 6 or 8-dot Braille, 130 characters per second, Grade 1 and 2 available, notation and mathematics script. Weight: 84 lbs.
- \*BAX 10 \*Used primarily for professional Braille publishing.

### ***Text Enlargement***

- \*Vista VGA \*Text enlargement program that is both software and hardware based. It is controlled through the Vista mouse.

Operates both in MS-DOS based applications and Windows™ .

***CCTV's***

\*Vantage

\*A 14" B/W monitor with reversed polarity. It has a tilt screen display with a reading table.

\*Chroma CCD

\*Color CCTV available in two monitor sizes, 13" which magnifies up to 45 times or the 20" which magnifies up to 60 times.

\*Automated Viewing Table

\*Used with Chroma CCTV. Automatically moves source materials under the scanning area of the CCTV System. Directionality is supplied by a foot control or joy stick hand control.

\*VersiColor

\*Offers 24 customized foreground and background combinations. It magnifies up to 45 times and the monitor has tilt and swivel capability.

\*Aladdin

\*A CCTV in b/w only. A stand alone system at low cost.

**VISAIDS, INC.**

See LIGHTHOUSE

Equipment

Brief Description

\*Voxcom Message Recorder

\*An inexpensive way to record messages on cards with tape, which can be used as temporary reminders or as permanent records. The cards which have magnetic tape strips, can be passed through the recorder to record messages or play them back. The magnetic strips can be erased for re-use. A voice record can also be obtained by using the VOXCOM with adhesive talk/tape pasted on the backs of checks, insurance policies or any other important paper or items.

***Low Vision Products:***

\*Braille Slates

- \*Writing Guides
- \*Magnifiers
- \*Raised Line Drawing Kits

WALTERS S., INC.  
 30423 Canwood Street  
 Suite 115  
 Agoura Hills, CA 91301  
 (818) 706-2202  
 FAX: (818) 706-2206  
 WATS: (800) 9-WALTER

Equipment

***Low Vision Optical Equipment***

- \*Monoculars
- \*Binoculars
- \*Microscopes
- \*Magnifiers
- \*Stands
- \*Frames
- \*Cases
- \*Accessories

**XEROX IMAGING SYSTEMS KURZWEIL**

Personal Reader FAMily of Products  
 9 Centennial Drive  
 Peabody, MA 01960  
 (800) 248-6550  
 (508) 977-2000  
 FAX: (508) 343-0311

Equipment

Brief Description

- |                       |  |
|-----------------------|--|
| *Reading Edge         | *Portable Xerox/Kurzweil Personal Reader with the following features: DECTalk speech synthesizer, direct text storage capability to audio cassette, direct interface with PC compatible computer for download of scanned material to a computer text file which can be saved to disk. Can also be used as a speech synthesizer for a computer. |
| *Reading Edge Express | *See above description. This edition is simplified with a 9 button keypad.   |

\*Reading AdvantEdge

-Model 55

-Model 65

-DECTalk

-Auto Doc Feeder

\*PC computer with OCR software and a Xerox or HP scanner.

\*OCR software with Xerox flatbed GST scanner.

\*OCR software with Xerox Bookedge Scanner.

\*Speech synthesier.

\*Automatic Document Feeder is an option for Bookedge scanner.