

## Networking: The Linking of People, Resources and Ideas

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## About the Network

**Computer Use in Social Services (CUSS) Network** is a nonprofit association of professionals interested in exchanging information and experiences on using computers in the human services. Members participate in the Network by:

- Sending materials for the CUSSN Newsletter, such as: member needs, interests, hardware/software use, activities, resources, ideas, experiences, computer applications, and events.
- Participating in the electronic network, skills bank, software clearinghouse and subgroups.
- Distributing Newsletters at workshops and conferences. (I will send newsletters to distribute or place on a resource table.)
- Referring vendors to advertise their services and products through the CUSSN.
- Holding local CUSSN meetings. Local meetings in Dallas/Ft. Worth, Chicago, Baltimore and Australia have been successful.

**Network Dues:** \$10 individuals, \$15 institutions (payable in U.S. Funds). Contact Dick Schoech, Associate Professor, School of Social Work, The University of Texas at Arlington, Box 19129, Arlington, TX 76019.

**The Newsletter** is published approximately 4 times a year and is sent free to all network members. Back issues \$5 each.

**The Electronic Network** (CUSSnet) establishes local bulletin boards, national and local mail and file transfer, downloading of public domain software, and access to numerous repositories of electronically available information on human service computing. CUSSnet builds on FIDONET, approximately 900 microcomputer-based local bulletin boards across the U.S. and in 9 continents. Contact Dick Schoech for your local node, or

call 817-273-3966 and type the file in the HELP file area called FIDOLIST.80. Communications are at 300-2400 baud, 8 data bits, 1 stop bit and no parity. Almost any computer or terminal and modem will work.

**The Skills Bank** allows members to locate or share specific knowledge, skills and experiences for providing information about yourself. Contact Gunther R. Geiss, Adelphi U., School of Social Work, Garden City, NY 11530.

**The Software Clearinghouse** offers a computerized inventory of commercial and public domain available human service software, a software review file, and a software exchange. Contact Walter LaMendola, Professor, School of Social Work, U. of Denver, Denver, CO 80208.

**Special Interest Group (SIGs)** are subgroups where significant networking is occurring on a special topic.

**Educators SIG**, write Wallace Gingerich, School of Social Welfare, U of Wisconsin-Milwaukee, Milwaukee, WI 53201.

**Hospital Social Services SIG**, write Mike King, Director of Social Work and Discharge Planning, Saint Francis Hospital, 100 Port Washington Blvd, Roslyn, NY 11576.

#### Area Groups:

**Baltimore, MD**, contact Bob Elkin Professor, U of Maryland, School of Social Work and Community Planning, 525 W. Redwood Street, Baltimore, MD 21201

**California**, James M. Gardner, Department of Developmental Services, Fairview State Hospital, 2501 Harbor Boulevard, Costa Mesa, CA 92626

**Australia**, Floyd Bolitho, La Trobe U., School of Social Work, Bundoora Victoria, Australia, 3083.

## CUSS NETWORK ADVISORY BOARD MEMBERS

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# A N N O U N C I N G



**For Social Service, Public, and  
Non-Profit Organizations**

The **Human Service Software System (HSS)** was developed over a three year period with the support and participation of 25 non-profit corporations and the Department of Health and Human Services. The initial response to HSS has been overwhelmingly positive! HSS is a truly national software system with installations in all 50 states' chapters of the Special Olympics. The Special Olympics had one of the "big eight" accounting firms review HSS, along with 22 other software systems, and HSS was their first choice!

All modules are integrated with the General Ledger Module, but each can be operated on a stand alone basis. Each module is priced at \$495.00 and is compatible with IBM PC and all PC-compatible computers.

No currently available business software has the performance features of HSS, features which are absolute requirements for grant-receiving, charitable, or non-profit organizations. Call or write for product literature and/or information about a dealer in your area (Dealer inquiries welcome).

- Accounts Receivable/Client Billing Module    ■ Accounts Payable Module
- General Ledger/Budgetary Accounting Module    ■ Payroll Module
- Development & Fund Raising Module    ■ Client Management Module



1216 Grandview Avenue  
Pittsburgh, PA 15211  
(412) 481-7330

## Services Available

Vendor/Consultant	Contact Person	Services
<b>Illinois</b>		
<b>OUTP ST, Inc.</b> Drawer CNC6 119 Wilson St., Park Forest, IL 60466	F. Dean Luse, Ph.D., CSW, President (312) 748-3854	Consultation on feasibility and information system planning. Provides help with accountability, forms & report design, decision support systems, database development, software selection & evaluation, training your staff to use computer systems Extensive micro and mainframe computer experience.
<b>Synergistic Office</b> Systems (SOS) 438 Peterson Road Libertyville, IL 60048	Joseph Zefran, MSW (312) 680-8383 (312) 275-3747	The SOS team of human service/computer professionals help you with ready-to-use SOFTWARE exclusively for nonprofits - Fund Accounting, Donor/Fun Raising, Client Service/Receivables - and a full range of SERVICES - feasibility studies, programming, training, and support.
<b>Florida</b>		
<b>Community Service Council of Broward County, Inc.</b> 1300 S. Andrews Avenue P.O. Box 22877 Fort Lauderdale, FL 33335	Susan K. Buza, Executive Director (305) 524-8371	Full range of consulting and technical support in the automation of Social and Human Services. Systems include Agency Inventory/Directory Production, Information & Referral, Client Case Management, Mental Health Client Tracking, Statewide Networking, Transportation Scheduling; Carpool Matching.
<b>Maryland</b>		
<b>KBL Group, Inc.</b> 'Knowledge Based Living' 808 Pershing Drive #100 Silver Springs, MD 20910	Karen Levitan, Ph.D., President, (301) 588-4633	Services to help you use information, technology, and systems as professional resources. We work for you; we work with you; we help you do it yourself.
<b>New York</b>		
<b>King Associates, LTD.</b> 215 Shoreward Drive Great Neck, N.Y. 11021	Michael A. King, D.S.W. (516) 487-5995	Producers of AMIS — flexible off-the-shelf software for hospital social work and discharge planning departments. Customized programs are also available.
<b>Rhode Island</b>		
<b>Applied Innovations, Inc.</b> South Kingstown Office Park Wakefield, R.I. 02879	800-272-2250 401-789-5081	A developer and manufacturer of numerous software programs designed to operate on popular microcomputers. The programs are fully supported, documented and operational in hundreds of locations. Programs assist with Psychological testing (eg MMPI) office management (eg billing/insurance forms) or Assessment (eg psychosocial histories).
<b>Australia</b>		
<b>Human Services</b> Information Systems 6 Chapman Blvd Glen Waverly Victoria 3150	Floyd Bolitho, Ph.D., (03) 687-6790, (03) 459-1806	Consultation for Human Services, feasibility studies, training, systems design and implementation. Software Development and hardware vendor.

The above paid advertisements represent no endorsement or favorable review by CUSS. When choosing a consultant, remember the standard advice: (1) talk to more than one consultant, (2) obtain several comparable bids, and (3) ask for several recent clients and talk to them about their satisfaction.

**Service Listing Announcements:** Interested vendors/consultants should send payment along with their description. Rates are as follows.

Description length	Rate per issue	Rate per year (4 issues)
under 15 words	\$ 5	\$18
under 30 words	\$ 8	\$28
under 45 words	\$10	\$34
under 60 words	\$12	\$40

**Space Advertisements:** Advertising space is available in the CUSS Newsletter at the following rates:

one eighth page in one issue = \$15	one half page in one issue = \$45	one full page in one issue = \$75
one fourth page in one issue = \$25	three fourths page in one issue = \$60	two full pages in one issue = \$120

Advertisers must furnish a copy ready ad. If the ad will be run for four issues, a 25% reduction in cost is granted.

**Mailing Labels:** Mailing labels are available at the cost of 5 cents per label.

# CUSS Electronic Network

## Overview:

The electronic component of the Computer Use in Social services Network (CUSSnet) establishes local bulletin boards, local & international mail and file transfer, and repositories of electronically available information.

CUSSnet builds on FIDONET, 1500 nodes (local BBSs (bulletin boards) across the world. These nodes automatically connect nightly to exchange mail and files. Most local FIDONET BBSs are free with the exception of a small fee for electronically sending mail. CUSSnet nodes perform functions such as:

- Maintaining a bulletin board (messages/files) for local users;
- Maintain a local message area for international mail & conferencing;
- Exchange weekly specialty information/files with other CUSSnet nodes;
- Helping new users subscribe and access the network.

## Present and forthcoming CUSSnet Nodes

City & State	Net/Node	Phone #	Operator	Specialty Focus
Arlington TX	130/5	817 273-3966	D. Schoech	Recent Publications
St. Louis MO	100/999	314 889-4696	B. Butterfield	Biblio. Info.
Murray KY	11/301	502 762-3140	B. Allbritten	Handicap Info.
Denver CO	104/614	303 871 2912	W. LaMendola	Software Info.
Milwaukee WI	139/450	414 963-4515	W. Gingerich	Curriculum Info.
New York, NY	107/37	212 532-2278	G. Hoffman	Training Info.
Raleigh, NC	158/101	919 851-6806	M. Bowen	Handicap Info.
Seattle WA	138/35	206 442-8127	S. Ice	Federal Info.
Garden City NY	107/240	516 228-7938	G. Geiss	Skills Bank
Arlington TX	130/10	817 649 2857	C. Brown	Disabilities Info.
Tempe AZ	114/23	602 965 1588	W. Hudson	Research papers
New Hampshire	132/11	603 798 4028	D. Hall	General
Phoenix AZ	114/15	602 235 9653	D. Dodall	Disabilities
Las Cruces, NM	15/4	505 646 2868	M. Connealy	NASW NM State info
Cardiff, Wales	510/43	0222 704739	W. Davidson	CUSSnet info.
Washington DC		to be announced	PICA	Community agencies

To start a CUSSnet Node, call Steve Ice in Seattle at 206 442-2430

## New CUSSnet Nodes

**Net/Node:** 132/111

**Board #:** (603)-798-4028

**Board Name and Details:** On line New Hampshire

**Operator:** Douglas E. Hall, Infonomics, Lane Road, Chichester, NH 03263 Work Phone #: (603)-798-5028 (CAREFUL: note the voice and BBS numbers are very similar!!!)

### Description:

On Line New Hampshire is operated as part of the microcomputer consulting business Infonomics. It specializes in data files on conditions and organizations in New Hampshire. Data files include vital records, welfare family counts by month and by town, census data, banking data, juvenile justice data, and others. The quantitative data files are in Lotus 1-2-3 worksheet formats for easy use in data analysis for marketing, journalism, or human service proposal writing. Lists of organizations are in dBASE or comma delimited text file formats and include all human service agencies in the state (over 1600), local businesses, law offices, physicians, etc.

Infonomics is planning a major expansion of the BBS. Tests are being run to determine the feasibility of uploading

## To Use CUSSnet

If a CUSSnet node is in your city, you're in luck. Simply dial it up using your computer and a modem and follow the directions. If no CUSSnet node exists in your city, you can call long distance to any CUSSnet node listed below. Before calling CUSSnet long distance, you can learn to use FIDO BBS software by calling a local node. To locate a local FIDONet nodes, ask your local microcomputer dealer or call 130/5 (below) and type FIDOLIST.80 in the help file area. You can also use a local FIDONet node to send mail and get whatever CUSSnet information your local BBS operator will get for you. You may have to pay a small deposit to your local FIDO. Communications are at 300-2400 baud, 8 data bits, 1 stop bit and no parity. Almost any computer or terminal and modem will work. Steve Ice (below) can provide assistance.

## Examples of Message and File Areas on CUSSnet

**Message Areas:** Local messages, Local NEWS, FIDONET mail, National ECHOMAIL conference, and Resources (books, announcements, software).

**File Areas:** Files related to mental health, developmental disabilities, welfare, health, training, games, and utilities.

from the daily newspapers in the state the text of their locally written articles. If technical issues of random access through the FIDO Outside' command can be resolved, a fully indexed database of all local news stories will become available to users and the board may then go commercial with charges for access. If this is done (probably late in 1987), CUSS-Net users will be given special free access privileges to the CUSS sections of the board.

Doug Hall, the System Operator, was previously director of the New Hampshire Social Welfare Council, an OHDS grantee a few years ago, and was recently elected to the state legislature.

**Net/Node:** 114/23

**Board Phone:** (602) 965-1588

**Board Name & Details:** SCHOOL SWK

**Operator:** Walter Hudson, School of Social Work, ARIZONA STATE UNIVERSITY (602) 965-2808 VOICE

**Board Description:** Walter Hudson's board functions as a repository for methodological topics, papers, dissertations, etc. related to social work research. These papers will be available from his board. (A fuller description of Walter Hudson's board will appear in a future issue)

## Notes From The Editor

My apologies for this issue being late. It is more difficult than anticipated working at a distance. To avoid delays, this newsletter is being typeset in Wales and shipped camera ready to Texas.

Future issues will cover what is happening in the U.K. I keep finding new material, so I am reluctant to put out that issue at present.

Dick Schoech,  
CUSS Network Coordinator & Newsletter Editor  
School of Social Work University College, Cardiff  
POB 78, Cardiff, Wales, United Kingdom CF1 1XL  
(0222) 874000 Ext 5504  
2 March 87

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## Articles, Reviews and Reports

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**Considering A PC-based Local Area Network?** Look A Little Closer. You May Find Networking Is Not As Cost Effective and Efficient As You Think! by G. Puckett, Agency Specialist, A & S Agency Systems, Comprehensive Community Software Systems, 7645 Production Drive, Cincinnati, OH 45237 (513) 761-5610.

**If your agency is about to invest in a PC-based local area network you may wish to re-think your approach to your computer needs.**

Local Area Networks (LAN's) were originally conceived to provide a way for users who already had a substantial investment in personal computers to connect those personal computers to common devices, such as, printers, modems, hard disks, etc.. Because of the loud voices and heavy advertising budgets of many companies bent on getting you to buy their products with a more is better approach' they began offering LAN's as an alternative to **true multi-user systems (MUS)**. What has occurred is a misled belief that a Local Area Network of personal computers is an equally effective and less expensive alternative to a high speed multi-user system. Not so. **Compare The Cost Of A LAN With The Cost Of A Multi-User Computer**

If you have already made the leap into the computer arena by purchasing a few PC's, you may find that you will be able to purchase some sort of network which will encompass those computers. However, don't expect the kind of performance that many network sellers claim. And by no means will the system you end up with be less expensive than a comparable **multi-user computer**. Let's use an example. A six workstation **CompuPro multi-user computer** including a 40 MB hard disk, a tape back-up drive, a floppy diskette drive, high speed printer, modem and six terminals may be purchased for between \$14,000 and \$16,000. That's a cost range of between \$2,350.00 and \$2,650.00 per workstation. To set up a Novell network, one of the faster more well known Local Area Networks, with the same number of workstations, a Novell/S file server with comparable hard disk storage, along with the tape drive, printer and modem would cost between \$24,000 and \$32,000. That's a cost of between \$4000 and \$5,350 per workstation. **The LAN costs \$10,000 to \$16,000 more than a similarly equipped multi-user computer.** Not only is the Novell network more expensive but the performance per dollar is much less when compared to the **CompuPro**.

Cost Range Of A Six User CompuPro Multi-User Computer	Cost Range Of A Six User Novell PC Based Local Area Network
\$14,000 to \$16,000	\$24,000 to \$32,000 * See Notes
<b>CompuPro 286</b> 40 MB Hard Disk 1 MB System RAM Tape Back-Up Floppy Diskette Drive Six Terminal Workstations - Each Terminal Contains Monitor and Keyboard Four Pages Of Memory 256K RAM	<b>Novell Netware/S Net System</b> 47 MB Hard Disk 1 MB System RAM Tape Back-Up Six PC Workstations - Each PC contains 2 Floppy Diskette Drives Monitor and Keyboard

### Consider The Cost Of Adding Additional Workstations To A Network

One area which you should be checking before buying is the cost of adding additional workstations to your multi-user computer or LAN. To add additional workstations to a Local Area Network you must continue investing in additional personal computers to use with the network, at a cost that ranges between \$1,000.00 and \$1,900.00 per station. (The price of the low-end workstations are based on generic type PC's which may not be desirable for your network and may not be supported by the network supplier.) Also, you will find that you must invest in additional interface boards to add those PC's to your network. They may be required for the PC workstation, the file server or both. These boards are required for the networking link from the PC workstation to the network file server. They cost between \$250 and \$500 per workstation (depending on your particular network). It doesn't stop there. As you add workstations to your network you may have to add additional system memory to the network file server to handle the increased demands. The usage and cost of the memory and network interface cards varies from one network to the next. In the final analysis, **adding a workstation to an existing network costs between \$1,400.00 and \$2,500.00 per workstation** on most networks.

### It Is Less Expensive To Expand A Multi-User Computer

**Adding additional workstations to a multi-user computer costs much less.** Terminals may be added to these systems for between \$400 and \$800 per workstation. Yes, at certain levels additional RAM memory and possibly additional internal processors may be desired to increase the throughput of the system. However, in comparison, with a **CompuPro multi-user computer** you can add additional slave processor boards, each with one half megabyte of RAM memory for about \$650 each. These additional system resources may easily be used by any of the terminals connected to the computer. Generally speaking, the only way to add additional processing power to a network is to add additional workstations. Not all networks allow all of the users connected to the network to fully share this additional processing power. Your cost per user is once again increased.

Cost Of Adding Additional Workstations To A CompuPro Multi-User Computer	Cost Of Adding Additional Workstations To A PC Based Local Area Network
\$400 to \$800 Per Workstation	\$1,400 to \$2,500 Per Workstation

### What About Expanding?

Remember, the main advantage of LAN's is the ability to integrate **already owned personal computers** into a cohesive group. However, **with LAN's, as the number of users increase, the performance degrades, which makes network operations very slow. Software which attempts to use the network as a multi-user**

**computer will not perform well as the demands on the network increase.** This is due to the method of transmission which LAN's use. The data must travel from the file server disk along the network cable to the memory of each of the PC workstations and back again, continuously, while the processing of data is taking place. In a multi-user computer, data transmission is performed almost entirely internal to the computer at a tremendously faster rate than the data can travel along the network. Data transfer between disks, controllers and system memory is much faster with a multi-user computer than with a network. Another advantage of using a MUS versus a LAN is that the reliability and sophistication of the software and operating systems is much better with most **multi-user computers** when compared to network file server software. The result of all of these factors is better overall system performance.

**In theory, LAN's can have many more workstations than a multi-user computer. However, in practice, running software which places heavy multi-user demands on the network and its resources (file server, network transmission, etc.), will dramatically decrease system performance.** All systems will experience some degree of degradation as the demands on the system increase. Consider as well, some multi-user computers such as the **CompuPro**, not only have the ability to drive a good number of terminals, but they too can have personal computers networked to them and function as both a multi-user computer and a network at the same time. In fact, because the **CompuPro** uses the **Concurrent DOS** operating system (a PC-DOS, MS-DOS, CP/M-86, CP/M-80 compatible operating system) the PC's which you connect to the system can use the CPU and all other resources of the multi-user computer as well as their own! So if you really want some PC's on your desk tops or wish to preserve your previous PC investment, this is an option you have with some multi-user systems.

### What The Large Companies Say

Many large corporations have performed studies on utilizing networks. In one corporate study, which happened to be a large insurance firm offering computers to their independent agents, the findings were the same as other similar evaluations. All of the networks currently available were either too slow or too expensive to justify their use. Mentioned was the fact that the leading **LAN requires a technically oriented system administrator.** Networks can be very complex. They require a person on staff who has a computer background and who can dig in' and manage the system on a day-to-day basis. For many agencies this probably means hiring an experienced computer person. The cost of the network system is again increased.

Most multi-user computer systems do not require a computer jockey', consultant or programmer to administrate the system, when installed and supported in an agency by a company with the necessary experience. A pre-packaged system consisting of software and hardware designed specifically for an agency like yours with the flexibility to meet your agency's particular needs will be much easier to learn, manage and support internally than one you must maintain on your own or design from scratch. Companies offering systems of this type have the installation, training and maintenance processes all mapped out for you, so the systems are very easy to manage. **Usually, all that is required is some support from the company which installed the complete product, hardware and software.**

### Software Is Most Important....It Is The Real Solution!

The software you intend to use on your computer is of the utmost importance. Since most LAN products have only been around a short time, the software which is available for them is new as well. In the software business, the time period

for new software to work out most of the bugs is about one to two years. **Software which is new should be considered a gamble. If you happen to be one of the unlucky few who are a beta site (guinea pig) for a new software system, you must realize that you will have to contend with a long list of undiscovered software bugs, support problems and inexperience with the new system (hardware and software).** This translates into a hidden increase in the cost of the system and a decrease in the system's effectiveness for your agency. Caution! Many groups are jumping on the computer bandwagon with **new and unproven software and networks** only to find that their **inexperience in the business and faith in the hardware vendors were just enough to get them and you into trouble.**

You must keep reminding yourself throughout your decision making process of system selection that **software is the solution.** Just buying the hardware is not the end of your decision. And whether a system is based on a multi-user computer or a network is actually a secondary consideration when making a decision to computerize your agency. In fact, if you purchase hardware before you have found the software which will meet your needs, you have narrowed the field of choice for software which is available to you. Without proven software designed for your type of agency you may end up using your computer as an expensive word processor.

Many agencies have embarked on software developments of their own. Not only is this a very expensive approach, but it also does not give you the benefit of the built-in innovations contained in software which is used by a wide base of agencies. With a development of this type, hardware cost will probably constitute about 10% to 15% of the cost of the total system due to the high cost of software development. By using a proven pre-packaged software and hardware system you can cut your total system cost. Software which is specifically designed for agencies like your own costs much less than developing programs from scratch or adapting another agency's software for your specific needs. With this approach the hardware is about 30% to 40% of the cost of the total system investment. Also, using this approach allows you to identify all of your computer related costs **up front.** You will experience very few surprises in the way of hidden costs if you are working with a company who knows the business of installing computer systems in agencies.

### The Answer.....

**Mature software is the key to your agency's computer solutions.** However, it must be backed by dedicated professionals with a commitment to the success of your agency's computer installation, along with **solid support** in an on-going business relationship. An organization which serves **only** the computer needs of human service agencies is your best source for computer solutions. Companies who serve the business world's computer needs rarely understand your unique requirements and it is very difficult for them to provide effective computer solutions for your type of organization.

### Base Your Decision On The Facts

Before purchasing any computer system you should talk to current users of the system (software and hardware) and see how the performance levels, user satisfaction and support compares to that of other systems available to agencies like your own. On-site visits to agencies with the same system (up and running) is a must. The real story comes to light when you talk to the user and not the seller. You must also compare the costs. Although it is fashionable' to be installing networks you will find your most **cost effective and functional solution is with a multi-user computer.** After selecting the software which meets your needs, assemble a list of the computer hardware necessary to effectively use the software. Whether the computer hardware is a multi-user computer or a LAN, this will enable you to have

a realistic grasp of the costs which your agency will face for purchasing, installing, expanding and supporting your computer system. You will also be able to compare the cost of the different approaches to computerization. You will find that a little investigating will go a long way in making a sound **cost effective decision for your agency's computer requirements.**

**Notes:** The price range of the CompuPro system can vary depending on the cost of the terminals, printers, modems, disk capacities, RAM memory, etc.. For the purpose of this comparison a price range of \$400 to \$800 per terminal has been used to determine low and high price ranges.

The price of the Novell network can vary depending on the brand and cost of the workstation computers, printers, modems, disk capacities, etc.. IBM-PC workstations were used to provide the high range pricing. The low range pricing is based on off-brand generic workstations purchased with little or no support. For most agencies this type of purchasing to provide system solutions cannot be recommended.

The Novell system is based on the 68000 based file server. These networks are available using an IBM-AT as the file server. However, benchmarks show that using the Novell network based on the AT with three workstations connected, slows the processing considerably. Setting up an AT based network with six workstations would result in **very slow** network operations.

For both system price calculations \$1,200 has been added for a printer and a modem. For many system installations there would probably be additional costs for these items as you may wish to have multiple or faster printers, etc..

Both of the systems considered in the comparison are higher performance systems (necessary to handle six workstations) within the model line which each manufacturer offers.

#### Sources:

- Business Computer Systems - R. Glidewell, Ph.D.
- Local Area Network Product Evaluation (GAI Internal Study) 3/86 D. Kick
- Networking vs. MultiUser - CPRO - National Users Group - C. Hess
- Netware Product Overview - Novell, Inc.
- Netware Systems-Software-Services Price List - Novell, Inc. 2/86
- Multi-User - Journal Of Advanced Computing Technology - 7/86
- Bob Schwabach - Syndicated Columnist - On Computers'
- CompuPro, CompuPro 286 are trademarks of VIASYN Corp.
- Concurrent DOS, CP/M-86 and CP/M-80 are trademarks of Digital Research, Inc.
- MS-DOS is a trademark of Microsoft, Inc.
- IBM, IBM-PC, IBM-XT, IBM-AT and PC-DOS are trademarks of International Business Machines
- NetWare/S is a trademark of Novell, Inc.

Multi-User Computers vs. Networking - G. Puckett - Copyright 1986



## Research at the Human Performance Institute of the University of Texas at Arlington

by George V. Kondraske, Director, Human Performance Institute, UTA, POB 19138, Arlington, TX, 76019.

**Editor's note:** In the past, human services have often followed the innovations of the more physically or health oriented services. Substitute the words "mental" or "social" for physical in the following and see if you think human services may follow this lead. Descriptions of other research programs are welcomed.

Quantification of parameters which reflect a human's ability to execute daily tasks and which provide documentation of

important clinical factors has been the focus of many individual and often diffuse interdisciplinary research efforts. Practitioners in health care (neurologists, orthopedists, therapists, etc.); personnel selection and screening (for airline pilots, police and fire fighters etc.); and engineering design (human factors), have had very few exacting tools to both acquire and evaluate objective measurements on which critical decisions are made. Such information encompasses mental processes, strength, range of motion, muscle tone, speed, steadiness, dexterity, coordination, sensory perception, etc. Traditionally, subjective rating scales (1=good, 2=average, 3=poor) have been the most widely used method to obtain discriminating documentation. Despite tremendous advances in relevant measurement and computer technologies, these are still considered to be state-of-the-art by most practitioners. The relatively few research efforts which address the need for new measurement tools and methods have either lacked a conceptual framework, were insufficient in scope or magnitude, or did not include the coordination and important follow-up necessary to stimulate standardization, industrialization and widespread research and clinical applications.

As a direct result of the unique research we have conducted and are continuing to pursue, a new philosophy of human performance measurement has been established. A broad and expandable measurement system, the only human performance data base world wide, and eight cooperating data collection research centers have been developed and placed into operation. It is now feasible to administer a comprehensive, noninvasive battery of human performance tests with results computed, recorded, and placed into the data base automatically. The array of standardized measurements, forming what we refer to as a human performance profile, represents the fingerprint of an individual's ability to function. With individually designed analysis software, it is now realistic to consider interpretation of such a profile for specific applications ranging from treatment plan determination for rehabilitation patients and objective documentation of functional status for workmen's compensation/insurance purposes, to predicting the probability of success in professions which stress specific dimensions of performance such as in piloting aircraft, performing microsurgery, or dancing.

With these concepts as a basis, our research group was identified as a National resource or Rehabilitation Engineering Center in function measurement. Funded by the National Institute of Handicapped Research Advanced Rehabilitation Engineering (CARE) in 1983. CARE represents a consortium effort involving The University of Texas at Arlington, The University of Texas Health Science Center at Dallas, The Dallas Rehabilitation Institute, and The Dallas Rehabilitation Foundation. Research has been conducted to expand the scope and application breadth of measurements to include domains of orthopedics, physical and occupational therapy, and physical medicine.

The availability of technology and a suitable philosophy that can fill the long standing gap between research and widespread utilisation are beginning to drive evolutionary processes and open doors for acceptance of new methods. A prime example is provided by Steven L. Wolf, Ph.D., Emory University Physical Therapy:

"It is proposed, therefore, that the philosophy underlying the primary training of physical therapists practitioners be altered so that the 'laying on of hands' assumes a secondary rather than a primary importance. The major strategy in training physical therapists should evolve around mechanisms to achieve quantification of changes resulting from the laying on of hands. This reorientation would demand that physical therapy students learn as much, if not more, about instrumentation, measurement and quantification than they learn about neuromuscular reeducation tech-

niques." (Spring 1985 Research Section Newsletter of The American Physical Therapy Association)

Within the Center for Advanced Rehabilitation Engineering research efforts have resulted in:

1. The "Human Performance Measurement System" which:

- Is a modularized, microcomputer controlled test configuration of specially designed sensors, stimulators, processing software and measurement schemes.
- Measures 19 major functional categories over most body sites including mental status, vision, audition, speech, anthropometric features, range of motion, strength, speed, reactions, coordination, steadiness, body balance, muscle tone, manual dexterity, gait, and endurance.
- Provides more than 500 functional measures which can be applied comprehensively or as a selective subset.
- Measures on a non-invasive basis, client/patient basic elements of performance while executing short stressor tasks.

2. Replication of the system via the Cooperative Research Program with the establishment of multiple data collection and research laboratories at the:

- University of Texas Health Science Center (at Dallas)
- Dallas Rehabilitation Institute
- St. Paul Hospital (at Dallas)
- Shriners Hospital (at Chicago)
- Sports Medicine and Rehabilitation Clinic, Inc. (at San Antonio)
- National Rehabilitation Hospital (at Washington, D.C.)
- Dallas VA Medical Center
- Wadsworth VA Medical Center (at Los Angeles)

3. A master data base, against which all client/patient data acquired is compared, which:

- Is one of a kind, world-wide.
- Is manframe-based, accessible to and fed by all measurement sites, on a dial-up basis.
- Contains more than 2,000 data records of which 50% define normal performance and 50% represent traumatically injured or progressive neurologic disease populations such as Parkinson disease, multiple sclerosis, and the head and spinal cord injured.

4. Dissemination of research results through refereed publications, professional society presentations, and scientific exhibits.

### Future Perspective

The current core of investigators is enthusiastically pursuing a coordinated effort toward realization of the stated mission. Specific plans call for:

Establishment of individual targeted laboratory facilities dedicated to:

- Instrumentation and Measurement Development
- Human Performance Measurement (for basic and applied studies)
- Data Management
- Expert Systems Development

Enhancing the scope and quality of the measurements which define the Human Performance Profile, as dictated by research results.

Conducting research in the relevant basic areas of:

- Human performance theory and hierarchical concepts
- Improved physical and physiologic sensors
- Automated data quality control
- Sensory perception
- Characteristic descriptions of populations
- Control mechanisms of the neuromuscular system
- Effects of behavioral and environmental factors on human performance

Coordinating the active acquisition and investigation of data and knowledge bases for:

- Patient populations and treatment interventions
- Jobs and career planning
- Athletic disciplines
- Dysfunction patterns for diagnostics
- Drug abuse screening
- Neurologic, muscular, and skeletal system components and their interactions
- Vocational decision-making factors for the handicapped and non-handicapped alike

Conducting and coordinating research with others to realize results with end-user impact across the many application disciplines.

Growth rate of the Master Data base is conservatively estimated to be 5,000 records per year utilizing both current and planned cooperating data collection sites. The availability of standardized, quantitative measures covering a breadth of human performance parameters and populations represents a base of information providing a unique opportunity to advance knowledge, and to result in meaningful impact. A continuous cycle of increased understanding leading to identification of solutions, ideas, and new problems is inherent in the concept of the initiative. The long-term research potential, in yet to be defined areas, is considered to be unequalled.

### Societal Impact

Current and proposed work is expected to impact society in diverse ways which include:

- Fostering injury prevention through the detection of potential weaknesses via the Human Performance Profiles.
- The continuing move to establish standardized measurement technologies and methodologies
- The early detection of neurological dysfunction as the result of drug side effects and/or disease, particularly in the elderly and the handicapped
- The pre-screening of applicants/employees to establish the probability of success in specific jobs and careers.
- Providing more precise definitions of neurological, orthopedic and therapeutic patient intervention needs.
- The long term tracking of human performance degradation, on either a single client/patient or multi-client/patient (gross) basis, to provide significant levels of behavioral feedback.
- Providing an excellent environment in which to train both professional and semi-professional medical practitioners.
- Stimulating increased public awareness regarding human performance parameters and related factors which can lead to performance degradation and/or enhancement.





## Selected information from Fidonews

**Editor's note:** Fidonews is a weekly newsletter circulated electronically via Fidonet bulletin boards. The articles below illustrate what is and can happen in networking.) Reprinted with permission.

**The Power of Success is Equal to the Power of Error,**  
by Sysop, 135/14, reprinted from Fidonews, 9 Feb 1987

Message #19  
Date: 04 Jan 87 22:03:44  
From: Rob Carr on 109/612, The Flying PC, Vienna VA  
To: All on 135/14, Metro-Fire Fido, Miami FL  
Subj: Help Make a Wish

Hey, how about helping to make a wish come true? The Make a Wish Foundation' is asking people to send post cards to a 7-year old boy in Scotland who has leukemia. His dream is to get his postcard collection into the Guinness Book of World Records.' It only costs 33 cents to mail a postcard to Scotland. The address is:

Little Buddy  
P. O. Box 76  
Paisley Rensschewshire,  
Scotland, United Kingdom

Please, when you log onto other BBS's, pass this message around. We'll all be helping to make this little boy's life a whole lot brighter. Thank you from Judi Duda and Lee Henry of the Make a Wish Foundation' and from Rob and Nancy Carr (two nut-cases with a TRS-80 Model IV).

Matt. 25:40  
--- v1.36  
\* Origin: China Blue BBS \* Pittsburgh, PA \* (129/28)

Message #38  
Date: 06 Jan 87 12:14:03  
From: George Falcon on 109/612, The Flying PC, Vienna VA  
To: Rob Carr on 135/14, Metro-Fire Fido, Miami FL  
Subj: Little Buddy  
Re: Help Make a Wish

Perhaps you didn't see the notification that the Little Buddy' story is an old hoax. I haven't attempted any verification.

---  
\* Origin: The Falcon's Rock - College Park, Md (109/648)

Message #87  
Date: 12 Jan 87 16:28:18  
From: Christopher Baker on 135/14, Metro-Fire Fido, Miami FL  
To: Wishers'

Subj: Making a Wish, Part II...  
Message #80 0.25 (RCVD) (KILL/SENT)  
Date: Mon 12 Jan 87 15:14  
From: David Dodell on 114/15, ST JOES HOSPITAL,  
Phoenix AZ  
To: Christopher Baker on 135/14, Metro-Fire Fido,  
Miami FL  
Subj: WISH.TXT

Chris - I received a message from the moderator of the Disabled conference on Usenet telling me that this message is at least 2 years old ... it started on Usenet about 1984 and mail has been marked returned for years ... you might want to renotify everyone ... David

So FidoNet falls for an old Usenet gag? look for an upcoming article in FidoNews on FidoNet and broadcast appeals.

TTFN.  
Chris  
--- v1.36

\* Origin: Metro-Fire Fido - Miami, FL (135/14)

----- Messages Ends -----

What was this all about, you ask? This was a hoax picked up from Usenet (a UNIX conferencing system) and introduced into FidoNet. What happened next? I took the message, converted it into a text file and broadcast it to the Hosts in my Region (18), IFNA HQ, 1-3/0, and the Hosts of FireNet and Health Net Echo; with a carbon copy back to the originator.

Within 24 hours this message was making the rounds of the U.S., Europe, and the South Pacific; spreading like crazy from Rangoon to Reykjavik (figuratively speaking).

When the word came in that this old chestnut was ancient history on Usenet, the retraction went out with the same speed. As the cancellations went out, the power and potential of this affair began to dawn on me.

The International Fido Network represents over one thousand publically accessible Nodes, spanning the globe. If every Node has only 100 hundred users (very conservative figure), that now represents 100,000 people who are exposed to anything put into the FidoNet. If each one of those users took the information (as a hard-copy) and posted it on a company or community bulletin board and thereby exposed 10 more people to the information, we have reached one million people. Given more people in any part of this equation and the possible exposure would be even more tremendous. Consider. This thing has been growing by

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leaps and bounds since its creation but have you stopped to reflect on the enormity of what we are doing?

What we have, in FidoNet, is an incredible, grass roots system for communicating world-wide with people and cultures we would never touch without it. With the adjuncts of SEAdog and Opus and the other systems to come, we have the ability to send NetMail anytime, virtually any place. Don't think just of NetMail to a Node next door. Think of the possibilities.

Even though this wish' was not genuine, the speed and power of FidoNet was amply demonstrated. Think of this joke' as a drill that demonstrated that FidoNet is alive and well and READY for action. There is something to be gained from this experience.

What I propose, now, is setting some standards for a broadcast appeal entered into the Fido Network, herein after referred to as a FidoCast(c). [IFNA, you are welcome to this term.]

1. The message should be labeled as a FidoCast to indicate handling over the FidoNet.
2. The contents should be verified as genuine by the Sysop/User entering the FidoCast into the system.
3. The message should contain a contact name and number (Net/Node, telephone, etc.) of some kind for the originator and/or the requestor.
4. The message should have an expiration and/or an effective date (good idea, David) to indicate how long it has been in the system and when it may be tossed.
5. When received by a Host Node, the FidoCast should be forwarded to all the Nodes that Host is responsible for thus spreading the text as far as possible.
6. When a FidoCast is posted on a Fido Node, users should be encouraged to capture or download the notice/file and post it to other BBSs or on workplace and community bulletin boards and to pass it on to as wide an audience as possible.
7. The originator or requestor should provide an update on the status of the FidoCast, i.e., what results were obtained. This report could be in the form of another FidoCast or a FidoNews notice or article.

FidoCast is a workable method for introducing broadcast messages into the FidoNet. The broadcast appeal has worked in the past as you may recall from the Canadian appeal for information about pediatric breathing disorders entered into the Network from Fred Blauer. The costs associated with a FidoCast are minimal if it is passed from point-to-point within the normal scope of Host or Region to Node traffic, i.e., bundled with FidoNews or with Nodediff Polls and pickups. Even if it is sent out from a few central points, the cost is still negligible compared to a telegram, mailgram or commercial time on radio or television.

This is only one good way to make FidoNet responsive and respectable. It will work because FidoNet Sysops care. They care about their systems. They care about their users. They WANT to help and often do; without recompense and without hesitation.

We have just scratched the surface of a communications revolution that will rival movable type! (Remember, you heard it here, first.)

Any suggestions or comments are welcome. Respond here or by Net Mail to 135/14.

**RECOVERY** by Bob Kovach, Sysop 125/0 (415) 621-5206, reprinted from Fidonews, 9 Feb 1987

#### What is RECOVERY:

RECOVERY is a Fido BBS committed to the needs of people in Twelve Step programs who are in recovery from various addictions and compulsive behaviors. RECOVERY is also a valuable source of information and support for for

those who think they may have a problem with an addiction or a compulsive behavior.

The message areas include:

- 1) Alcoholics Anonymous
- 2) The Closed Meeting
- 3) Narcotics & Cocaine Anonymous
- 4) Overeaters Anonymous
- 5) Sex & Love Addicts Anonymous
- 6) Smokers Anonymous
- 7) Al-Anon Alateen & ACA
- 8) AIDS Network
- 9) RECOVERY Network (coming soon)

The file areas contain meeting listings and various information files. The AIDS file area contains recent articles by John S. James of the San Francisco Sentinel.

Many people have found the help they need and are able to use RECOVERY as a tool for personal growth and as a forum where they can share their experience, strength and hope with each other.

The AIDS Network area has just started and will soon be a nationwide conference for people with AIDS and ARC and for those who are interested in learning more about the epidemic.

A similar network for RECOVERY will begin soon. If you are interested in joining either of these echos please let me know. I can poll you between the hours of midnight and 3am Pacific time if you cannot afford the long distance costs.

Please let me know if you would like to join the AIDS or RECOVERY echos. Keep Calling Back, It Works! Bob Kovach 125/0 Voice (415) 864-5160

**ABLED Echo** by Stu Turk, Sysop, SoundingBoard 129/26, Pittsburgh PA, reprinted from Fidonews, 22 Dec 1986

As a result of a article I wrote for FidoNews last December, outlining the use of Fido by the Deaf / Blind, David Drexler, sysop of SOURCEry System Fido 147/1, Oklahoma City OK, put me in touch with one of his users, Vernon Henley, the producer of the American Council of the Blind's Radio Reading Program and publisher of ACB's Braille Forum. Vernon asked me to write a companion article for the Forum and we began exchanging several messages a week via FidoMail. A large part of our mail volume dealt with the use of computers by the handicap and Vernon was planing on organizing a Handicap Users Network similar to MedNet. At the time I was assistant sysop of the L-5Net Fido 129/13, but the boards sysop was planing on moving to Colorado Springs, Colorado, and we were engaged in getting me set up with a Fido of my own before he moved. My board, of course, would join Vernon's Handicap Users Net.

Vernon was scheduled to come to Pittsburgh in May for a Radio Reading Program conference and we made plans to meet and check out the local watering holes. In the meantime I had kept up correspondence with David Drexler over quite a few different subjects, one of which, for some reason, was beer. I had planned on sending a sixpack of my city's Iron City Golden Lager with Vernon for David - had even composed a message 'The bottles were full when I gave them to Vernon!' to send David as soon as Vernon was on the way home.

SoundingBoard Fido 129/26 went online in May and one of its first fidomail messages was a congratulations from Vernon. His message went on to other topics (he always used the entire 46 line limit) and ended with the note that, due to his organizations financial problems, he might not be able to make the Pittsburgh conference the following week after all. As his messages scrolled off the screen I though 'Oh, great! Now how am I going to get the beer to David?' when the next message scrolled on. It was from David, telling me that Vernon Henley had died early that morning in a house fire, shortly after posting that last message to me.

Vernon Henley was a man who was actively involved in communications for the handicap, especially in radio for the blind and computers for the deaf. He will be greatly missed.

I thought for a while that Vernon's dream of a Handicap User Net had died with him. I did not know who else he had been talking to about joining the net and did not know how to set one up myself. It was something that went on the back burner'. About that time sysops who had been playing with a new program called EchoMail began hearing the questions put to them change from 'What's EchoMail?' to 'How's it work?' Net 129 installed a Sysops Echo, of which I was the hub and new uses keep turning up for EchoMail.

In time, a National Sysop's Echo started and a few messages showed up asking if anyone was interested in a Echo conference for the handicapped. I sent out a few feelers

and get back a few replies and sooner or later things get started. I got a message from Dr. David Dodell of St. Joseph's Hospital Fido 114/15, Phoenix AZ saying he would host/co-ordinate the conference for the disabled. This Echo deals with all subjects relating to/for the and disabled (not necessarily computer related) and its ripples have already reached coast to coast with the Echo being picked up by boards from Washington D.C.'s Insight Fido 109/634 to Chico CA's Lazarus Fido 119/5 and Links Fido 119/13. If you have users on your board who are handicapped, or just want to add a public service Echo, contact David Dodell, St. Joseph's Hospital Fido 114/15 and join the ABLED Echo.

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## Information from the CUSSnet Conference Area

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#1 28 01 Jan 80 2:22:47

From: Steve Ice

To: All

Subj: **ECHOMARK:01CE**

Welcome to the CUSS ECHO area. Messages entered in this area will be automatically echoed or sent to all other CUSSnet bulletin boards around the country. The NICE thing about this area is that you, the user, don't have to address your messages. This machine will do all the mailing automatically. (See nodelist, inside cover) All destinations have similar CUSS areas on their boards and messages entered there will be sent here. In this fashion, it will be possible to enter into or start roundtable discussions with human services experts all across the country on any topic.

Enter a message and see what happens.

Steve Ice

#2 53 30 Oct 86 12:21:49

From: Steve Ice

To: All

Subj: **Suggested topics**

In the Human Services Research and Development file area on the Seattle node, you will find papers, abstracts and dissertations on social services topics. You may type them on your screen and capture to buffer or download them and print them. In either case, leave your comments, applause, and criticisms here and it will be echoed and responded to throughout CUSS. In addition, I have listed below some other suggested topics that someone may be interested in, volunteering to start.

THE FUTURE OF INCOME SUPPORT POLICY THE RELATION OF CHILD RIGHTS AND PARENTAL RIGHTS THE IMPACT OF EXPERT DECISION SYSTEMS ON HUMAN SERVICE AGENCIES THE ETHICS AND COSTS OF HEALTH CARE DISTRIBUTION COMPUTER TRAINING FOR SOCIAL WORKERS AUTOMATED INTAKE SYSTEMS AVOIDING COSTLY ERRORS IN AGENCY COMPUTERIZATION IMPACTS OF THE AGING U.S. POPULATION PREPARING YOUTH FOR SOCIAL AND ECONOMIC SELF SUFFICIENCY ...ETC...

Yours,

Steve Ice, Sysop 138/35

#9 33 16 Nov 86 09:15:39

From: MIKE BOWEN

To: Carolyn Allen

Subj: **CUSSNET Re: Social Services Net**

I'm delighted you asked. CUSSnet is a nationwide network of BBS systems which specialize in assisting social service groups and agencies to intercommunicate.

Far too many groups are going it alone, as if this entire matter of helping others were an intermural event with the overall game plan being every man for himself. There is much which can be gained when their experiences and expertise can be shared collectively.

In this network, for instance, we have several boards which deal with handicapped problems (Take a bow, Mike!), a clearinghouse for software specifically designed for the needs of social services groups, a bibliographical references board, human resources centers and much, much more.

This message area, in fact, is a good example of the value of the system. When a message is placed here, it is automatically ECHOed on all the other CUSSnet boards around the country as well. The shared resources of all these boards mean that problems one might encounter are transmitted to all the boards in the network, thus increasing the likelihood of a solution by geometric proportions.

Will get further information to you. Right now I am working on spreading the word among United Way agencies. You interested in helping spread the word? Any help will be greatly appreciated.

\*\* MIKE \*\*

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\* Origin: EQUAL BBS - RALEIGH, NC (151/101)

#11 31 19 Nov 86 15:57:00

From: Steve Ice

To: All

Subj: **CLIENT THERAPY PROGRAMS**

Kelly Stone, graduate student at MC Virginia is interested in doing a Masters thesis on computer software programs that actually provide therapy to the client via operation or execution of the program. For example teens and drug decisions or occupational therapy. (Not software that administers programs or assess client states) If anyone knows of such they area encouraged to contact her: Phone: 804 780 9883 or write: Kelly Stone, 219 Cabaniss Hall, MCV Station, Richmond Virginia 23298

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\* Origin: US HDS HUMAN SERVICES - SEATTLE, WA (138/35)

#12 29 20 Nov 86 18:36:29

From: Chuck Mastrini To: Steve Clagett Subj: **Software Development Re: Your contacts & interests**

I saw your message on our board, and I wanted to advise you about a program written by Dr. Walter LaMendola of the University of Denver Graduate School of Social Work. He has recently written a program that is a locator for available housing, which utilize multiple variables in conducting the search for available housing. I have only seen a brief demonstration of the program and it is a masterful work. I believe he developed this piece of software for a non-profit housing authority in Denver. He would be in a better position to explain the particulars of this software and exactly what it is capable of doing. He can be reached at this board 104/614.

---

\* Origin: Mile High CUSS - DENVER, CO (104/614)

#13 29 21 Nov 86 09:21:13

From: Chuck Mastrini

To: All Cussnet Boards

Subj: **Planning Proposal for CUSSnet Panel at HUSITA**

I was interested in determining if there would be sufficient interest by Cussnet operators in forming a panel to discuss various topics concerning Cussnet and Electronic Bulletin

Board Technology and related implications. Cussnet offers so much potential to Human Services as we prepare to move into the 90's that this should be a viable topic area for presentation at HUSITA. What I am requesting at this time is that if you think you might have any interest in participating in this panel please forward your name and any ideas you might have regarding possible topic areas and personal preferences. Once I have been able to determine the extent of interest, I will share the information that I receive. Chuck Mastrini - 104/614.

\* Origin: Mile High CUSS - DENVER, CO (104/614)

#16 22 01 Dec 86 11:29:57

From: SYSOP 139/450

To: ALL

SEE ALSO #25

Subj: **IBM SYSTEM 38 SOC. SVCS. SOFTWARE**

Kenosha County Dept. of Social Services is planning to automate social services and is looking for existing software which can be transferred to the IBM System 38. Required functions include:

- client database for case management
- units of service and cost record-keeping
- client outcomes
- service/program monitoring and evaluation
- planning
- research

Please leave a message for me if you know of any resources in this area.

\* Origin: US HDS HUMAN SERVICES - SEATTLE, WA (138/35)

#18 25 30 Nov 86 21:35:42

From: Peter Kelly

To: All

Subj: **SOFTWARE FOR LOCATING HOUSING**

The note about the housing locator program software written by the gentleman in social work interested me greatly. Does anyone have more information on this. Is it public domain? I am a caseworker in Phoenix for the Arizona Stop AIDS Project. I frequently need to locate housing options for persons with AIDS (PWAs). Since most of our clients are indigent, I attempt to locate Section 8 housing or housing available at rates affordable for my clients. Please contact me at this BBS if you have any leads or send me any info re: the housing locator software you mentioned on-line. You can write to me at : Peter Kelly, c/o Arizona Stop AIDS Project, Phoenix, 85014. or call me at (602) 277-1929 Monday - Friday. 9 am - 5 pm..

\* Origin: St. Joseph's Hospital / Fido Bugs West (1/98) Phoenix, AZ (114/15)

#20 22 30 Nov 86 21:49:30 (RECV'D)

From: Peter Kelly

To: Chuck Mastrini

Subj: **Social Service Forum - Topics of Interest**

Re: **Planning Proposal for CUSSnet Panel at HUSITA**

I am very interested in the subject of AIDS and the psycho-social issues connected to AIDS. I have been very active in Phoenix as an activist and advocate in the Lesbian & Gay Community having provided crisis intervention via hotline over the last 6 years. Issues of interest in this field include: coming out, the full spectrum of counselling issues connected to AIDS impact on Gay men, family, friends and lovers of persons with AIDS (PWAs), Lesbian/Gay relationships, Gay sexuality issues, Gay youth, Gay seniors, alcohol & substance abuse in the Lesbian & Gay communities and more. I hope CUSSNET is attempting to become a board that addresses ALL social service issues, and is open to dialogue with persons who are advocates with the much stigmatized groups that are so often swept under the carpet. I encourage social service providers to drop me a line, so that we might

learn from each other and network when possible. Thanks for the open line.

\* Origin: St. Joseph's Hospital / Fido Bugs West (1/98) Phoenix, AZ (114/15)

#25 17 11 Dec 86 10:24:29

From: Jon Wolfe

To: SYSOP 139/450

REPLY TO #16

Subj: **REPLY TO MESSAGE 16**

THE NATIONAL ASSOCIATION OF STATE UNITS ON AGING (NASUA) HAS DONE ALOT OF WORK IN THIS AREA. I DO NOT KNOW IS THEY ARE FAMILIAR WITH THIS IBM SYSTEM, BUT THEY ARE FAMILIAR WITH SOFTWARE AND HARDWARE. I SUGGEST YOU CONTACT ROB FICKE OR JAMES WHALEY AT 600 MARYLAND AVENUE, SW, SUITE 208, WASHINGTON, D.C. 20024 (202) 484-7182. THEY ALSO HAVE COMPUTERS AND OPERATE STATE AGE-NET - A NETWORK FOR STATE UNITS ON AGING. I DO NOT KNOW IF CUSSNET IS AVAILABLE TO THEM OR WHETHER THEY KNOW ABOUT IT BUT I WILL LEAVE THEM A MESSAGE.

\* Origin: US HDS HUMAN SERVICES - SEATTLE, WA (138/35)

#41 17 23 Dec 86 13:49:42 (RECV'D)

From: Mike Connealy

To: Steve Ice

SEE ALSO #53

Subj: **organizing bbs**

Hello, we are looking forward to developing our service here in New Mexico. We ordered equipment and hope to get on line in January. We are looking at various CUSSnet boards to get an idea about and seeing what others have done. The national NASW has provided a small grant for us to develop a network throughout NM. We are headquartered with NMSU, Department of Social Work, Box 3SW, Las Cruces, 88003.

Mike Connealy and Jerry Vest.

#61 19 Fri 2 Jan 87 07:35 (RECV'D)

From: Robin Hopes

To: Steve Ice

SEE ALSO #73

Subj: **CUSSnet Node**

Hi, I'm Robin Hopes, coordinator for the Falls Church SeniorNet Site. We would like to start a CUSSnet node. Participants in our SeniorNet group are Senior Adults who possess basic computer literacy skills and apply these skills through telecommunications. CUSSnet seems ideal for our interests.

As participants in the SeniorNet research project, we have been accessing SeniorNet, a national computer network for Senior Citizens. We have had to cut back our usage recently, while we wait for the word' on refunding. Our experience using SeniorNet was terrific, but the withdrawal symptoms are unbearable! A CUSSnet node on Fido would be just the security we need. When our SeniorNet site does get refunded, we'll have even more to share with everyone

Please send the initial information necessary to become a CUSSnet node. Dave Bunoski, SySop for HDS WRBBS sent me a Summer '86 newsletter.

Thanks! RoHo SeniorNet c/o Robin Hopes 11100 Beaver Trail Court Reston, Va. 22091

\* Origin: INSIGHT - Washington, D.C. (109/634)

#75 13 23 Dec 86 15:12:47

From: Carrie Brown

To: All

Subj: **Now linked in**

DDTL, Developmental Disabilities Technology Library, is now hooked in to CUSSecho! We hope to get something out of this linkage. It is too soon to say what will transpire from this and what information will flow forth, but let us hope it will be advantageous!

\* Origin: D.D.T.L., Ft Worth (130/10)

#76 12 06 Jan 87 16:08:10

From: Bill Easley

To: All

Subj: **HYPOTHALMUS DYSFUNCTION**

IF ANYONE HAS VERIFIED REPORTS AND/OR STATISTICS ON HYPOTHALMUS DYSFUNCTION RELATED TO SUBSTANCE ABUSE OR DEEP SLEEP AWAKENING PROBLEMS PLEASE LEAVE A BRIEF MESSAGE AND I WILL PROVIDE DETAILS. SUSPECT THAT THERE MAY BE A SIMILAR DYSFUNCTIONAL LINK TO NARCOLEPSY accompanying SOME CASES WHERE THE INDIVIDUAL REPEATEDLY LOOSES EMPLOYMENT DO TO FAILING TO AWAKEN FOR WORK ON TIME. THIS CAN OBVIOUSLY LEAD TO OTHER SOCIAL/PSYCHOLOGICAL PROBLEMS. THANKS.

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\* Origin: St. Joseph's Hospital and Medical Center, Phoenix, AZ (114/15)

#78 16 15 Jan 87 11:31:51

From: Bill O'connor

To: Robin Hopes

REPLY TO #73

Subj: **Hello from Alaska**

Hi Robin. I am glad to hear that SENIOR Net is working. I would like more information on your group and what activities your group is involved in with computers. We have several senior citizen agencies here in Alaska that are using computers, many with telecommunications capabilities, including our State Unit on Aging. I am waiting to hear from you. Thanks.

Bill O'Connor, Older Alaskans Ombudsman

#84 12 30 Jan 87 18:09:38 (RECV'D)

From: Mark Ezell

To: Schools of Social Work Sysops

Subj: **Computer Curriculum**

At the University of Washington, School of Social Work, we're tangling with issues relating to computers in the curriculum. I'm interested in finding out what's going on at other schools. I'll try to articulate some of the questions and I'd appreciate your response either here or through the mail. (My mailing address is School of Social Work, JH-30; University of Washington; Seattle, WA 98195).

Do you offer courses in computer utilization/application in human services? If so, are they the same for direct service students and macro' students? Are they pitched at a conceptual level, a hands-on level or both? Should there be separate computer courses or should computer application topics be integrated into existing courses? For example, a course in financial management might include discussions

and/or use of spreadsheets; included in a direct practice course could be discussions and/or use of clinical assessment software.

This is just a start, but your experiences will be helpful to our deliberations. Thanks in advance for your help!

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\* Origin: US HDS HUMAN SERVICES - SEATTLE, WA (138/35)

#86 11 04 Feb 87 22:49:46

From: Graham Wright

To: Wallace Gingerich

REPLY TO #31

Subj: **DOS from Fido**

Hi Graham Wright here from OSL, Wigan, England. Yes, I would like a copy of the manual. My address is OSL, 164 Windsor Road, Ashton-in-Makerfield, Wigan, ENGLAND. Are you going to the HUSITA conference in September? I am presenting a paper of BJSin the Health secr.

---  
\* Origin: Cardiff Fido (503/43)

#88 10 07 Feb 87 21:16:54

From: Fred Walker

To: All

Subj: **HALLO FROM BRIDLINGTON ENGLAND**

Hallo all readers. My name is Fred Walker and I work for a voluntary organisation (charity) in Bridlington, England. The organisation is called Bridlington Voluntary Action Centre and it is a Council for Voluntary Service and a Volunteer Bureau. Our main role is to develop the role of community, voluntary and self-help groups and volunteers - through straight development support, through coordinating voluntary and statutory agencies, through representing voluntary groups to statutory authorities, by providing professional and support services (training, meeting space, typing, duplicating, contacts for grant aid etc), and through running our own projects working with elderly people, mentally handicapped people, people with mental health problems, and carers (people caring at home for a mentally confused relative). I would be very interested to exchange information and ideas with anyone interested, especially about voluntary groups anywhere outside England, Wales, Scotland and Northern Ireland.

Looking forward to hearing from you! Cheers, Fred.

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\* Origin: Cardiff Fido (503/43)

## Selected listings of files from several CUSSnet Nodes

The following is a listing of files from several CUSSnet boards. Many boards have similar files. This listing is included to give you a sample of the types of files available through CUSSnet.

**Files from US HDS Human Services BBS in Seattle WA.** System Operator = Steve Ice, Net 138 Node 35, BBS Ph. (206) 442-8127

Download Area #1: COMPUTER USE & SOCIAL SERVICE POLL AND BOARD DESCRIPTIONS

file name	description of file
F151101.BBS	FILES ON CUSS BBS 151/101
F138035.BBS	FILES ON CUSS BBS 138/035 (THIS BOARD)
F104614.BBS	FILES ON CUSS BBS 104/614
HUSITA.TXT	HUMAN SERVICES INTERNATIONAL TECHNOLOGY APPLICATIONS
BDMEMO4.TXT	CONTACT LIST OF CUSS BOARDS
CUSSPOLL.221	CUSS POLL DATA FOR AUG 09 1986
CUSSPOLL.228	CUSS POLL DATA FOR AUG 16 1986
CUSSPOLL.235	CUSS POLL DATA FOR AUG 23 1986
CUSSPOLL.242	CUSS POLL DATA FOR AUG 30 1986
CUSSPOLL.249	CUSS POLL DATA FOR SEPT 06 1986
CUSSPOLL.256	CUSS POLL DATA FOR SEPT 13 1986
CUSSPOLL.263	CUSS POLL DATA FOR SEPT 20 1986
CUSSPOLL.277	CUSS POLL DATA FOR OCT 04 1986
CUSS-ARC.284	CUSS POLL DATA FOR OCT 11 1986

CUSSPOLL.291	CUSS POLL DATA FOR OCT 18 1986
CUSSPOLL.298	CUSS POLL DATA FOR OCT 25 1986
CUSSPOLL.305	CUSS POLL DATA FOR NOV 1 1986
CUSSPOLL.312	CUSS POLL DATA FOR NOV 8 1986

Download Area #2 - NATIVE AMERICANS  
SORRY, THERE ARE NO FILES YET IN THIS AREA

Download Area #3: COMMUNICATIONS TO/FROM OHDS AND THE SYSTEMS OPERATOR  
PHONE.LST

USER.LST	LIST OF OFFICE OF HUMAN DEVELOPMENT SERVICE STAFF
FIDouser.PRN	LIST OF REGISTERED USERS & AFFILIATIONS PRINT THIS MANUAL FOR BASICS OF USING A FIDO BOARD
GOVT.BBS	LISTING OF SOME GOVERNMENT BULLETIN BOARDS
EDUCATE.TXT	BBS EDUCATIONAL RESOURCE LISTING
EDI.FILE	EDGE COMPUTING INC/ADVERTISEMENT OF SERVICES
FIDO341.NWS	LATEST WEEKLY NEWS FROM FIDO ADMINISTRATION
INDX138.TXT	INDEX TO LOCAL FIDONET FILES (CALL DIRECT OR ASK HERE)
BYLAWS.TXT	PROPOSED BYLAWS TO INTERNATIONAL FIDONET ASSOC.

Download Area #4 - AGING SERVICES FILES

OLDER.TXT	STATISTICS ON OUR AGING POPULATION
GROWTH.TXT	THE AGING TREND IN FUTURE DEMOGRAPHICS
MARITAL.TXT	MARITAL STATUS OF OLDER AMERICANS
WA-AAA.LST	CURRENT LIST OF WA. STATE AREA AGENCIES ON AGING
LIVING.TXT	LIVING ARRANGEMENTS OF OLDER PERSONS

ETHNIC.TXT	ETHNIC STATISTICS OF OLDER PERSONS	ADOPT-FC.R&D	FOSTER CARE AND ADOPTION HDS NATL. RESEARCH GRANTS
GEOGRAPH.TXT	GEOGRAPHIC DISTRIBUTION OF ELDERLY POPULATION	CHLDCARE.R&D	CHILD CARE HDS NATIONAL RESEARCH GRANTS
AGING.LST	HDS REGIONAL DISCRETIONARY AGING GRANTEEES	SUBCARE.R&D	COMMUNITY & FAMILY CARE HDS NATL. RESEARCH GRANTS
PARENT.AGE	DEALING WITH AGING PARENTS		
ESTROGEN.OST	ROLE OF ESTROGEN IN OSTEOPOROSIS		
Download Area #5 -	FOSTER CARE / SPECIAL NEEDS ADOPTION / DAYCARE	ABUSE.R&D	CHILD ABUSE AND NEGLECT HDS NATL. RESEARCH GRANTS
FCCOS-PG.ARC	FOSTER CARE COST AND OUTCOMES PROGRAM DISK	DISABLE.R&D	DEVELOPMENTAL DISABILITIES HDS NATL. RESEARCH GRANTS
FCCOS-DA.ARC	FOSTER CARE COST AND OUTCOMES DATA DISK		
FCCOS-UT.ARC	FOSTER CARE COST AND OUTCOMES UTILITY DISK	ELDERLY.R&D	ELDERLY AND FAMILY HDS NATL. RESEARCH GRANTS
CWMSET.ARC	CHILD WELFARE MGMT SELF EVALUATION TECHNOLOGY	ECONDEVL.R&D	ECONOMIC DEVELOPMENT HDS NATL. RESEARCH GRANTS
ADOPT.LST	REGIONAL HDS ADOPTION-FC DISCRETIONARY GRANTEEES	UTILIZE.R&D	DISSEMINATION AND UTILIZATION HDS NATL. RESEARCH GRANTS
Download Area #6: WORK INCENTIVE PROGRAM FILES			
WINFORM1.ARC	WIN PLAN AND CONTRACT FORMS (REQ. LOTUS)	Download Area #10 -	FILES OF INTEREST TO UNITED WAY AGENCIES
WINFORM2.ARC	SAME AS WINFORM1.ARC (REQ. DOS ONLY [WON'T CALC])	CARPROP.TXT	COMPUTERIZED AUTOMATED REPORTING PROPOSAL
WIN-WAGE.ARC	NATL. WIN WAGE & FISCAL DATA (REQ. LOTUS)	Download Area #11 -	HEADSTART / SPECIAL EDUCATION / TEACHING AIDS
PERFORM.ARC	NATL. WIN PERFORMANCE DATA (REQ. DBASE III)	SE1.TXT	GROUPS AND PUBLICATIONS DEALING WITH SPECIAL EDUCATION
Download Area #7: GENERAL APPLICATIONS SOFTWARE MS-DOS / PC-DOS		B02.TXT	JOURNALS ON TECHNOLOGY FOR SPECIAL EDUCATION TEACHERS
PC-CALC.ARC	SPREADSHEET PACKAGE	B03.TXT	BOOKS ON TECHNOLOGY FOR SPECIAL EDUCATION ADMINISTRATORS
PC-WRITE.ARC	WORD PROCESSING PROGRAM	HSDATLIB.ARC	NW REGIONAL HEADSTART DATA LIBRARY (Must run on lotus)
PC-FILE.DOC	DATABASE DOCUMENTATION	FACTTEXT.DOC	TYPE THIS FOR EXPLANATION ON FACTxxxx.ARCs below
PC-FILE.EXE	DATABASE SOFTWARE	FACTSTUP.ARC	STARTUP DISK FOR HEADSTART FACT SYSTEM IN COBOL
BUDGETRK.ARC	TRACKS COSTS VERSUS BUDGET	FACTPRG1.ARC	PROGRAM DISK FOR HEADSTART FACT SYSTEM IN COBOL
TASKPLAN.ARC	TASK PLANNING PROGRAM	FACTPRG2.ARC	PROGRAM DISK FOR HEADSTART FACT SYSTEM IN COBOL
FINANCE.ARC	TEACHES PRESENT VALUE COMPUTATION	FACTFSCL.ARC	FISCAL DISK FOR HEADSTART FACT SYSTEM IN COBOL
GENLEDGE.ARC	GENERAL LEDGER SYSTEM FOR AGENCY	ICES1.ARC	INTERACTIVE COMPUTER EXAM SYS -WYLMAR. INC FREE VERSION
INDEX.ARC	DOCUMENT INDEX GENERATOR	ICES2.ARC	INTERACTIVE COMPUTER EXAM SYS -WYLMAR. INC (DISK 2)
IPM.COM	IVY LEAGUE PROJECT MANAGER	ITA1.ARC	COMPANION DISK TO ICES ABOVE
FORMGEN1.ARC	AUTOMATIC FORMS GENERATOR	Download Area #12 -	YOUTH /RUNAWAY /PREGNANCY
MAILLIST.ARC	MAILLIST MANAGER	ANGELA.POC	SQUEEZED PIC OF MISSING CHILD (USE NUSQ.ARC)
FINAIDS1.ARC	SYMPHONY: LOANS, MORTGAGES, REFINANCE, R.0.1.	TPREGNCY.ARC	ILLINOIS TEENAGE PREGNANCY PREDICTIVE MODEL
OUTLINE.ARC	GOOD OUTLINER - LIKE THINKTANK	RUNAWAY.LST	LIST OF REGIONAL RUNAWAY YOUTH SERVICE AGENCIES
SPPC1.ARC	DISK 1 STATISTICAL PACKAGE FOR THE PC	AYPFINTR.TXT	UPLOAD INTRODUCING ALASKA YOUTH & PARENT FOUNDATION
SPPC2.ARC	DISK 2 STATISTICAL PACKAGE FOR THE PC	DRUGSOFT.LST	SELECTED SOFTWARE ON DRUG & ALCOHOL ABUSE
SPPC3.ARC	DISK 3 STATISTICAL PACKAGE FOR THE PC	Download Area #13 -	TECHNICAL SOFTWARE FILES: DOS EXTENSIONS, FIDO UTILITIES AND COMMUNICATIONS SOFTWARE
SPPC4.ARC	DISK 4 STATISTICAL PACKAGE FOR THE PC	BACKSURL.COM	ALLOWS BACKSCROLLING IN FILE
SPPC5.ARC	DISK 5 STATISTICAL PACKAGE FOR THE PC	BACKSURL.DOC	INSTRUCTIONS FOR BACKSURL.COM
ACCOUNTMATE	SOURCEMATE INFORMATION SYSTEMS INC. DEMO DISKS	BROWSE.COM	FILE BROWSE UTILITY
AM-INTRO.ARC	INTRODUCTORY DISK	BROWSE.DOC	INSTRUCTIONS FOR FILE BROWSE UTILITY
AM-PAY.ARC	ACCOUNTS PAYABLE	CWEEP.COM	SWEEP TYPE UTILITY FOR FILE MANAGEMENT
AM-REC1.ARC	ACCOUNTS RECEIVABLE (ONE OF TWO DISKS)	LOGIT110.ARC	TRACKS PROGRAM EXECUTION OVER TIME
AM-REC2.ARC	ACCOUNTS RECEIVABLE (TWO OF TWO DISKS)	DDIR.COM	LISTS COMPLETE TWO COLUMN DIRECTORY
AM-FUND.ARC	FUND ACCOUNTING	WAIT.COM	INVOKE W/ 00:01:00 & PC WILL WAIT 1 MIN. ETC
PC-LISP.ARC	LISP PROGRAMMING LANGUAGE FOR THE PC	NUSQ.ARC	UNSMOKE SQUEEZED FILES
PROLOG.ARC	EXPERT DECISION SYSTEM PROGRAMMING PACKAGE	COPYX.COM	DOS COPY EXTENSION
ESIE.ARC	EXPERT SYSTEM SHELL - WITH SAMPLES	WHEREIS.DOC	DIRECTIONS FOR WHEREIS.COM BELOW
Download Area #8 - CHILD ABUSE / NEGLECT / DOMESTIC VIOLENCE		DOSAMATC.ARC	MULTIWINDING SHAREWARE
NCCAN.DOC	INFO ON NATIONAL CENTER ON CHILD ABUSE RESOURCES	WHEREIS.COM	FINDS NAMED FILE ON VOLUME
EXPERTWF.ARC	SAMPLE CHILD ABUSE DECISION SYS IN BASIC	GDEL.DOC	DIRECTIONS FOR GDEL.EXE BELOW
ABUSE.TXT	NATIONAL CHILD ABUSE STATISTICS	GDEL.EXE	SEARCH ALL FILES, SELECT, THEN DELETE
ABUSE.LST	LIST OF REGIONAL HDS ABUSE GRANTEEES	EPSON.COM	SET PRINTER PARAMETERS FROM DOS
Download Area #9 - HUMAN SERVICES RESEARCH AND DEVELOPMENT		SYSTEMU.ARC	SYSTEM MENU FOR HARD DISK
PAPER1.TXT	LANGUAGE, THOUGHT AND REASONING IN SOCIAL WORK PRACTICE AND EDUCATION; HUDSON, WALTER W., HARRISON, DIANA F.	MOVE.COM	FILE MOVING UTILITY
PAPER2.TXT	CONCEPTUAL ISSUES IN MEASURING AND ASSESSING FAMILY PROBLEMS; HUDSON, WALTER F., HARRISON, DIANA F.	MOVE.DOC	INSTRUCTIONS FOR FILE MOVE UTILITY
PAPER3.TXT	FUTURE DIRECTIONS IN CLINICAL EVALUATION; HUDSON, WALTER W.	ARC.EXE	ARC-VERSION 5 --USE TO READ FILES WITH ARC EXTENSION
PAPER4.TXT	MEASURING CLINICAL OUTCOMES AND THEIR USE FOR MANAGERS; HUDSON, WALTER F.	ARC500.DOC	DIRECTIONS IN TEXT FOR USING ARC.EXE
PAPER5.TXT	COMPUTERIZED ASSESSMENT INSTRUMENTS: THEIR PROMISE AND PROBLEMS; HUDSON, WALTER F., NURIUS, PAULA S., REISMAN, SOREL	DAYNBR.COM	PUTS DATE IN DOS COMMANDS
PAPER6.TXT	CLINICAL ISSUES IN MEASURING AND ASSESSING THE AGING FAMILY: IMPLICATIONS FOR RESEARCH AND POLICY: NETTING, ELLEN AND HUDSON, WALTER F.	DAYNBR.DOC	INSTRUCTIONS FOR DAYNBR
CDPANCMT.ARC	ARCHIVE OF ALL TEXT FILES BELOW	ST.DOC	DIRECTIONS FOR SUPERTYPE COM BELOW
CDP1.TXT	GENERAL INTRODUCTION TO GRANT FUNDS ANNOUNCEMENT	ST.EXE	SUPER DOS TYPE COMMAND WITH PgUp and PgDn
CDP2.TXT	FUNDS FOR COMMUNITY AND FAMILY BASED CARE	GCOPY.EXE	SEARCH ALL FILES, SELECT, THEN COPY
CDP3.TXT	FUNDS FOR COMMUNITY BASED CARE / IMPROVED LOCAL SERVICES	GCOPY.DOC	DIRECTIONS FOR GCOPY.COM BELOW
CDP4.TXT	FUNDS FOR IMPROVED COMMUNITY BASED SYSTEMS FOR ELDERLY	PROCOMM.EXE	GOOD COMMUNICATIONS PACKAGE
CDP5.TXT	FUNDS FOR RESEARCH IN INDIVIDUAL SELF SUFFICIENCY	PRCM23.NEW	FIXES TO PROCOMM.EXE
CDP6.TXT	FUNDS FOR COMMUNITY SELF SUFFICIENCY	PIBTERM.ARC	PIBTERM TELECOM PACKAGE WITH 3101 & OTHER EMULATION
CDP7.TXT	FUNDS FOR DISSEMINATION AND UTILIZATION	PIBTERM3.TXT	TEXT ON PIBTERM ABOVE
CDP8.TXT	EDUCATION AND TRAINING	MSKERDOC.ARC	MS DOS KERMIT DOCUMENTS VERSION 2.29
CDP9.TXT	GENERAL APPLICATIONS PROCESS	KMICRO.ARC	FURTHER KERMIT DOCUMENTATION
FORMS.TXT	FULL APPLICATION FORMS	MSKIRBM.ARC	KERMIT PC DOS VERSION
REGX-R&D.LST	LIST OF CURRENT NORTHWEST HDS RESEARCH GRANTEEES (ALSO LISTED BELOW BY TOPIC AREA)	SHUFFLE2.ARC	GREAT UTILITY FOR SHUFFLING FIDO FILES

EVENT.DOC INSTRUCTIONS FOR EVENT UTILITY  
 LISTGEN.EXE FIDO LIST GENERATOR  
 XLATRGEN.ARC NEW FIDO LIST GENERATOR  
 NEW-MENU.ARC NICE LOOKING MENUS FOR NOVICE FIDO USERS  
 ROBOT.COM AUTOMATIC FIDO MESSAGE FILE GENERATOR  
 ROBOT.DOG CONTROL FILE FOR ROBOT.COM ABOVE  
 KILLROBT.COM DELETES ROBOT GENERATED FILES  
 KILLROBT.DOC INSTRUCTIONS FOR ABOVE  
 RENUM.COM RENUMBER FIDO MESSAGES FROM BATCH FILE  
 RENUM.DOC INSTRUCTIONS FOR ABOVE  
 SYSLOG.COM ALTERNATIVE FIDO SYSOP LOG UTILITY  
 MM.EXE FIDO MESSAGE EDITOR  
 MM.DOC DOCUMENTATION FOR ABOVE  
 FILER.EXE MAKES LIST OF FILES AVAILABLE FOR DOWNLOAD  
 FILER.DOC DOCUMENTATION FOR ABOVE

## Download Area #15 - HEALTH FILES

DRUGACT.ARC HANSTON DRUG INTERACTION DEMO DISK (LEA & FEBIGER)  
 NUTRENT1.ARC NUTRITION ANALYSIS PROGRAM  
 NUTRENT2.ARC COMPANION NUTRITION ANALYSIS PROGRAM  
 CAS1.ARC THERAPIST'S CLIENT TRACKING SYSTEM  
 CAS2.ARC COMPANION CLIENT SELF ASSESSMENT SCORING SYSTEM  
 HOTLINES.#S FREE HOTLINE NUMBERS FOR VARIOUS SUBJECTS  
 PHONES.HLP LIST OF NATL. HELP LINES -- MOST TOLL FREE  
 DYSLCOLL.NWS OPENING OF A COLLEGE FOR THOSE WITH DYSLEXIA  
 HOTTUB.NWS INFECTIONS FROM HOT TUBS  
 AIDS.ARC LARGE ARCHIVE OF AIDS TEXTS  
 ALCOHOL.NWS INFORMATION ON ALCOHOL  
 AMA.NWS AMERICAN MEDICAL ASSOCIATION NEWS  
 AMOEBA.NWS RARE AMOEBA INFECTION KILLS GIRL  
 DIABETE1.NWS NEWS ON DIABETES  
 DIABETES.NWS NEWS ON DIABETES  
 DIETS.NWS NEWS ON DIETS  
 GROWTH.NWS NEWS ON GROWTH HORMONE  
 HEART.NWS NEWS ON HEART HEALTH  
 KIDNEY.NWS NEWS ON KIDNEY HEALTH  
 MED.NWS MEDICAL NEWS  
 MEDICAL.NWS MEDICAL NEWS  
 MMW.NWS CONTENTS UNKNOWN  
 MMW2.NWS CONTESTS UNKNOWN  
 MS.NWS MULTIPLE SCLEROSIS  
 MS2.NWS MULTIPLE SCHLEROSIS  
 PCP.NWS DRUG ABUSE NWS  
 STROKES.NWS NEWS ON STROKES  
 SUGAR.NWS NEWS ABOUT SUGAR  
 APPETITE.NWS INFORMATION ON DIET  
 ARTHRITS.NWS NEWS ON ARTHRITIS  
 CANADA.NWS MEDICAL PRACTITIONERS AND LABOR UNREST IN CANADA  
 CANCER.NWS NEWS ON CANCER  
 CANCER.ARC NEWS ON CANCER  
 COCAINE.NWS NEWS ON COCAINE USE  
 COLDS.NWS NEWS ON COLDS  
 COMA.NWS NEWS ABOUT COMA  
 CVRISK.BAS CARDIOVASCULAR RISK ASSESSMENT IN BASIC  
 STRESS.BAS STRESS ASSESSMENT IN BASIC  
 SMOKING.EXE SMOKING REDUCTION ANALYSIS  
 LIFELINE.BAS LIFE EXPECTANCY TEST IN BASIC  
 ELIZA.ARC DOCTOR LISTENS TO YOUR TROUBLES  
 CDCHRSK.ARC U.S. CDC HEALTH ASSESSMENT PACKAGE  
 CDCNEWS.TXT CENTER FOR DISEASE CONTROL NEWS ROUNDUP  
 MEDNET.NWS FIDO MEDNET NEWS ROUNDUP  
 STJOES.FIL LIST OF FILES FROM ST JOSEPHS HOSPITAL FIDOMAIL 114/15  
 HNET107.NWS HEALTHNET NEWS (NEW JOURNAL AS OF 10/29/86)  
 HNET.80 LIST OF HEALTHNET JOURNAL SUBSCRIBERS

## Download Area #16 - DISABILITIES FILES

HANDCAP1.ARC MANY TEXT FILES ON COMPUTERS & DISABLED  
 H-KEY.ARC WORD PROCESSOR FOR THOSE WITH KEYBOARD INTERFACE LIMITS  
 HANDCAP2.ARC MORE TEXT FILES ON RESOURCES FOR THE HANDICAPPED  
 HANDCAP3.ARC MORE TEXT FILES ON RESOURCE FOR THE HANDICAPPED  
 BL1.TXT SPORTS ORGANIZATIONS FOR THE VISUALLY IMPAIRED  
 BL3.TXT ORGANIZATIONS AND SERVICES FOR THE VISION IMPAIRED  
 BL4.TXT MAKING COMPUTERS ACCESSIBLE TO HANDICAP CHILDREN  
 BL5.TXT LISTING OF BBS DEALING WITH THE PHYSICALLY HANDICAPPED  
 BLINDFED.TXT INFO ON THE AMERICAN FOUNDATION FOR THE BLIND  
 MOBIL.ARC LASER CANES AND OTHER INVENTIONS  
 QUAD-LRN.TXT VIDEOTAPE LEARNING FOR QUADRAPALAGIC  
 B01.TXT BOOKS ON MICROS AND THE NEEDS OF HANDICAPPED USERS  
 LD2.TXT ANALYSIS OF PATTERNING FOR BRAIN DAMAGED CHILDREN  
 LD3.TXT COGNITIVE REHAB AIDS VICTIMS OF HEAD INJURIES

DF2.TXT ORGANIZATIONS OF AND FOR DEAF AND HEARING IMPAIRED  
 DF3.TXT GROUPS AND PUBLICATIONS FOR THE DEAF AND HEARING IMPAIRED  
 DISABLE.LST LIST OF REGIONAL DISABILITIES GRANTEEES  
 BL2.TXT MICROCOMPUTER VOICE TECHNOLOGY FOR THE VISION IMPAIRED

### Files from EQUAL BBS, Raleigh, NC

Sysop = Michael Bowen, Net 158 Node 101, BBS Ph. (919) 851-6806

## Download Area #1 - General Information

file name	description of file
ADDICT	Are you a modem/BBS addict?
ADVERTS	How are the handicapped portrayed in TV ads?
AIDGRPS	Groups for cross-functional disabilities.
AJIS-BBS.LST	Latest bulletin board list from Anon Jones (10/5)
ALIENS	National Inquirer suspects YOU are an alien!
ALS-DATA	Resources dealing with Lou Gehrig's Disease (ALS).
BAGEL	UCP of PA experiment in independent living employment.
BBS	Computer bulletin board dealing with handicapped issues.
BBS-LIST	BBSs specifically dealing with handicapped problems.
CHINESE	Exchange on the plight of handicapped in China.
CHPVOICE	A complete voice synthesizer/computer for under \$1600!!
CLINICS	Muscular Dystrophy Association clinics.
COMPIND	Computers bring independence to the handicapped.
COMPUKEY	Computers are the key to independence for handicapped.
COMPUSER	Compuserve networking to aid the handicapped.
CSERVE.SER	Various services for the handicapped on Compuserve.
DF-BLIND	Organizations offering services to the deaf and blind.
DIAL-UP	Other dial-up services for the handicapped.
DISABL.HLP	Hotline for Social Security disability problems.
ENVIRON	Listing of environmental control devices.
GEN1	Computer access for handicapped students.
HOTLINES	National toll-free hot-lines for health issues.
HOW&ALL	Handicapped Organized Women (HOW) and other groups.
IDEAS.BIZ	40 home businesses you can run with a computer.
INDEPEND	Study in independent living by CP of Kansas.
LD-GRPS	Groups and publications for learning disabilities.
LRGPRINT	CP&L provides large-print or Braille bills.
MICRO	Info for handicapped computer users.
MIRACLES	Computers work miracles for severely handicapped.
MIXBLESS	Rapid changes make computer choices difficult.
POWEROUT	CP&L and emergency life-sustaining equipment.
RESOURCE	General resources for the handicapped.
SELFHELP	List of self-help clearinghouses around the U.S.
SENSAIDS	Sensory aid devices for the blind.
SIGS	Special interest groups on computers and handicapped.
SIGSPED	SIG for special educators (SIGSPED).
SUM-CAMP	Summer camps for that special handicapped child.
TOLLFREE.NUM	Tollfree numbers for computer products.
TRAVEL	Anyone Can Travel! agency - handicapped tours.
TRAVEL.NO	Disabled travelers represent large market.
TVIMAGE	TV's concept of people with disabilities.
Download Area #2 - Saint Silicon - The Doctor Is In'	
CVRISK.BAS	Cardio-vascular risk assessment test
LIFELINE.BAS	Health/stress/heredity test - estimate life expectancy
SMOKING.EXE	Assessment of smoking individual motivation and dangers
STRESS.BAS	Measure stress level in your everyday life
H-KEY.EXE	Great single-key computer input program for handicapped!
H-KEY.DOC	Instructions for H-KEY.EXE
PARKISON.TXT	Information about Parkinson's Disease
MSQUEST.TXT	Answers to questions about Multiple Sclerosis
Download Area #6 - Mobility Impaired	
MI1	Speech technology - speech output and voice control.
MI2	Eyetyper - computer control through eye movement.
MI3	Smartkey keyboard redefinition - single-key operation.
MI5	List of Environmental Control Devices.
APPLE	Adapting the Apple IIe for one-finger typing.
BARRIERS	Study of community access network for barrier removal.
EYETYPE	Computer input by focusing eyes on keyboard.
HCP-TYPE	Handicapped typewriter program for Apple II.
INPUT	Two-position switch input for severe motor impaired.
JUANITA	Computer recognition of cerebral palsy speech patterns.
KEYLOC	Program to allow single-key entry with IBM.
LIGHTPEN	Optically controlled computer for mobility impaired.
MOBIL.AID	Laser canes and other nifty new inventions.
MUSDYS	101 answers to questions about muscular dystrophy.
NATBRL	Information about the National Braille Association.
NEWACCES	National groups working to eliminate barriers.
QUAD-LRN	Videotape learning lab for quadraplegics.
REPEATKY	How to disable key repeat function in Apple IIe.
Download Area #7 - Visually Impaired	
BL1	Groups promoting sporting events for the blind.
BL2	Speech technology - voice control, speech synthesizers.
BL3	Organizations and services for the visually impaired.

## Files from School SWK BBS, Tempe, AZ System Operator Walter Hudson, Net 114 Node 23, BBS Ph (602) 965-1588

BL4 Making computers accessible to handicapped children.  
BL5 Listing of BBSs dealing with the physically handicapped.  
BL6 Computer, printer manuals now available in Braille.  
BL7 What's what in voice output devices for the blind.  
BL8 Votrax announces voice output systems for Apple & IBM.  
APPLE-SW Apple voice synthesis and braille programs.  
BLIND.AID Apple and IBM software for the visually impaired.  
BLINDFED Information on American Federation of the Blind.  
BLINDTEC Communication technology for the visually impaired.  
BRAILLE.DOC Sources for Braille computer manuals.  
BRAILLE.SW Braille software for microcomputers.  
BRL-EDIT Braille programs for sighted transcribers.  
COMPUTER.AID Computer resources for visually impaired.  
CRANMER Cranmer Modified Perkins Braille.  
HARDWARE Voice and Braille output hardware.  
IBM-WP PromptWriter IBM word processing program.  
JASON Study of a blind, CP child's use of microcomputer.  
MB-2400 Triformation's paperless Braille system.  
MCSTHIEL Thiel Braille embosser from Maryland Computer.  
MOBIL.AID Laser canes and other really nifty inventions.  
POP-COMP Popular Computing in Braille for the blind.  
STUDENT Blind student shows reporter what it's LIKE.  
TANDY Use voice synthesizers with Radio Shack Model 4.  
TI99-SW Software for visually impaired TI99-4/A users.  
RANSCR.BRL Braille transcription programs.  
TRI-170 Triformation's TRI-170 Braille printer.  
TRIFORM Article on Triformation Systems, Inc.  
TRIFORM.BRL Triformation BTS-6 Braille translation system.  
VERSIBRL VersaBraille from Telesensory Systems, Inc.  
VIEWSCAN Portable reading aid for visually impaired.

### Download Area #8 - Hearing Impaired

DF1 Free BBS software for the deaf to use with Commodore-64.  
DF2 Organizations of and for deaf, hearing impaired.  
DF3 Groups, publications for deaf and hearing impaired.  
DF4 Micros break silence for deaf editor.  
DEAFCOMP Breaking the silence barrier with microcomputers.  
HARDSOFT Audio Bionics hand-held speech synthesizer.  
TDD Using a microcomputer for communication by the deaf.

### Download Area #9 - Deaf/Blind Information

DB1 Organizations providing services for the deaf and blind.

### Download Area #10 - Books On Special Needs

BO1 Books on microcomputers and needs of handicapped users.  
BO2 Journals on technology for special education teachers.  
BO3 Journals on technology for special ed. administrators.  
BO4 Newsletters for special education administrators.  
BKSTORE Books on handicapped technology from Closing The Gap.  
BRAILLE.MAN Sources for computer manuals in Braille.  
NWSLTRS Newsletters on computers and the handicapped.

### Download Area #11 - Handicapped Sports

SP1 Groups organizing sporting events for the blind.  
SP2 Groups specializing in wheelchair sporting events.  
SP3 HSA's program trains handicapped scuba divers.

### Download Area #12 - Special Education

SE1 Groups and publications dealing with learning disabilities.

### Download Area #13 - Educational Opportunities

ED1 Hndcpd. education - Not just a good idea - it's the LAW!  
ED2 Projects on hi-tech in education for the handicapped.  
ED3 Scholarships for handicapped and workers in the field.

### Download Area #14 - Learning Disabilities

LD1 Groups dealing with adult, youth learning disabilities.  
LD2 Analysis of patterning for brain-damaged children.  
LD3 Cognitive Rehab' aids adult victims of head injuries.

### Download Area #17 - Educational Information

APPLE-VO Software for Apple computer voice output.  
CATALOGS Educational catalogs for kids and computers.  
EDUCPRGS School studies of microcomputers and disabilities.  
EVALUAT.CTR Evaluation centers for disabled kids.  
SCHOOLS Schools for visually impaired students.

### Download Area #18 - Voice Output Hardware/Software

APPLE-VO Software for Apple voice output.  
CONVAID.VO Convaid portable computerized speech synthesizer.  
IBM-VO Voice output for the IBM and compatibles.  
MARYLAND Maryland Computer Co. (now Triformation).  
NONVOCAL Resources for assisting non-verbal children.  
TALKERS Computer aids for the visually impaired.  
TRIFORM.VO Triformation voice infor processing system.  
TRS-TALK Voice output for the Tandy color computer.  
TSI Telesensory Systems, Inc. (makers of Vert hw & sw).  
VERT-TSI Vert 6000 and Legal Talk for visually impaired.  
VO-SW Voice synthesizer-compatible software.  
VOICE Voice operated computer from Serota.  
VOICEOUT Voice output hardware devices.  
WORDTALK Talking word processor software.

file name	description of file
EXWRCL.TXT	Extended Wear Contact Lenses and Corneal Ulcers
SEATBELT.USE	Seatbelt Use Statistics
SMOKING.MOT	Smoking and Mortality Statistics
PARENT.AGE	How do you Cope with an Aging Parent?
SOCIOEC.BRN	Socioeconomic Factors in Burn Victims
TOBACCO.ADL	Adolescent Tobacco Use: Trends
TOBACCO.C&I	Smokeless Tobacco Consequences/Implications
PAIN.NIH	Current Pain Research NIH
PHONES.800	Listing of Toll-Free (800) Number Help-Lines
NONSMOKE.TXT	Tips for Staying a Non-Smoker
MEDMIS.TXT	Discussion of Medical Misinformation
HOTLINES.#S	List of National Hotline Phone Numbers
ANGINA.TXT	Angina Info and Forms of Treatment
BURN.TXT	Treatment of Burns
CHEMBURN.TXT	Chemical Burning and Eyes
COUGH.TXT	Cough and Related Problems/Diagnosis/Treatment
HOTTUB.NWS	Infections common with Hot Tube Sharing
DANGERS.ATV	Dangers of ATV's (All-Terrain Vehicles)
GENERIC.DRG	Generic Drugs can be Boon to Patient Care
ACUTE.TXT	Summary of Medical Papers & Spinal Cord Injury
DYSLCOLL.NWS	College Programs for those with Dyslexia
TDD54.TXT	Text File on Use of TDD Emulator
HANDBBS.LST	List of Handicapped Bulletin Boards
LEUKEMIA.PED	Pediatric Cases of Leukemia
REYEASP.TXT	Discussion Link of Reye Syndrome and Aspirin
PARKINSO.TXT	What's New with Parkinson Disease Research
EAR.TXT	Info on Malignant External Otitis
HEPATITS.TXT	Literature Search of Hepatitis
INFLU.TXT	Recommendations for Influenza Control
ALZHEIME.XMT	Whats New in Alzheimer's Disease Treatment
SULFITE.BAN	Salad Bar Sulfite Banned
MONOCLON.ANT	Antibody Approved to Prevent Kidney Infection
AROMA.FDA	Aroma Therapy
APPROVAL.INT	Interferone Approved
FDARWN08.22	FDA Warnings for Week of 8/22
NIEPER.TPY	FDA Warns/Bans Nieper Therapy
ESTROGEN.OST	Estrogen to be Label for Osteoporosis
ANTACIDS.INT	FDA Warns Drug Interactions with Antacids
IMPORT.ALT	FDA Stops Import of Cancer Remedy
APPROVAL.NEW	Streamlined Approval Procedures
BULK.VET	FDA Shuts Down Illegal Vet. Drug Distribution
SUPROFEN.ADV	Adverse Reactions to drug Surpofen
FELDENE.LMT	Feldene Increase Dosages Denied
NEGDRG.RPT	Adverse Drug Reporting Required for all Rx Drugs
EXWRCL.FDA	Extended Wear Contact Lenses & Corneal Ulcers
COLOR.FDA	Five More Food Coloring Articles
TAMPER.FDA	Tampering of Drugs in Washington State
LOWBWT.MOT	Low Birthweight and Mortality Statistics
CDC0822.86	CDC Report of August 22nd - MMWR(35) 33
CDC0815.86	CDC Report of August 15th - MMWR(35) 22
HEPATIT.VAC	Safety of Hepatitis Vaccine Confirmed
CDC0725.86	CDC Report of July 28th
CDC0718.86	CDC Report of July 21st
CDC0711.86	CDC Report of July 11th
CDC0703.86	CDC Report of July 3rd
HEAREYE.BAS	Hearing and Eye Test on the IBM PC
TDD54.TXT	TDD Emulation Documentation for IBM PC/PCjr
TDD54.EXE	TDD Emulation Program
CAS1.ARC	Psychology Client Assessment System
CAS2.ARC	Part 2 of CAS1.ARC
NUTRENT1.ARC	Nutrition Evaluation Program - Part 1 of 2
NUTRENT2.ARC	Nutrition Evaluation Program - Part 2 of 2
LIFEXPCT.EXE	Determination Life Expectancy based on History
MI.APL	MI Risk Program for Apple Series
WEIGHT.APL	Weight Calculation Program for Apple
ESIE.ARC	AI program to determine child's disease
STRESS.BAS	See if you are under stress
MEDLIT.ARC	Medical Literature Database
CDCHRISK.ARC	CDC Health Risk Assessment Package
NECK.ARC	Learn Differential Diagnosis of Neck Diseases
SMOKING.ARC	Are you under High Risk for Smoking?
STRESS.ARC	Are you under Lots of Stress?
WEIGHT.ARC	Are you Overweight?
PAIN.DEN	Pain Control in Dentistry
FLOURIDE.UPD	Flouridation Update Study
HEADSTRT.PGM	Statistics of Head Start Dental Program
AIDS1.PRG	Blood Supply Safer
AIDS2.PRG	Public Health Service Recommendations
AIDS3.PRG	Recommendations for Patients with Reactive Tests
AIDS4.PRG	Case Definition of AIDS
AIDS5.PRG	Epidemiology of AIDS
AIDS6.PRG	Prevention and Treatment of AIDS
AIDSGENE.DVP	AIDS Anti-'Gene' Developed
RACEAIDS.TXT	AIDS and Breakdown by Race



GIAIDS.TXT  
 GIAIDS2.TXT  
 AIDSEPID.TXT  
 AIDSTCH.TXT  
 AIDSTCH.TXT  
 AIDSTCH.TXT  
 AIDSTCH.TXT  
 AIDSTCH.TXT  
 AIDSTCH.TXT  
 AIDSTCH.TXT  
 AIDSTCH.TXT

GI Problems in AIDS Patients  
 More on GI Problems on AIDS Patients  
 Epidemiology and Prevention of AIDS  
 Risk of AIDS transmission in Household contact  
 Insurers: Watchful but Not Worried  
 Impact of AIDS on TB  
 AIDS in the Perinatal Child

AIDS.PRIV  
 INVASIVE.PRO  
 AIDS.FCT  
 AIDS.TST  
 AIDSTRND.CDC  
 BLOOD.AID  
 23AUG86.NWS

Surgeon General's AIDS Prevention  
 AIDS and Invasive Procedures  
 AIDS Facts - Good Overall File explaining all.  
 Information on HTLV-III Testing  
 CDC: Interpreting AIDS Trends  
 You, Your Blood Donation, and AIDS  
 Medical News - Week ending 23 Aug 86

## Members Comments and Activities

### Network Activities

#### Draft Proposal for forming an International Association for Human Service Technology

by Dick Schoech and Stuart Toole.

The HUSITA conference planning committee identified the formation of an international association as one of the objectives of the 1987 HUSITA conference. The purpose of the international association could be to highlight the importance of human service computing, to guide developments, and to foster international cooperation. Initial projects identified were the development of research agendas, position papers, repositories of information, and promoting a second HUSITA conference in 1989.

We are seeking input on several issues before the conference.

### Organizational Structure

- Aims, philosophy, goals of the association.
- Type of organization, e.g., nonprofit, profit, affiliation with another international body, etc.
- Location, staffing.
- Boards and committees needed.
- Funding, e.g., sources, amounts needed for administration & projects.
- Types of membership, student participation.
- How to carry out activities such as those below

### Research Agenda

- Topics needing research and their relative priority.
- Methods of collecting and disseminating information on research needs, research in progress, and research completed.
- Methods of stimulating research.
- Funding of needed research.

### Repositories of Information

- Information to collect, who's who, interests, bibliographic info. etc.
- Methods to disseminate information, publications, networking.

### Position papers

- Areas where position papers are needed and their priority.
  - a. Security, privacy and confidentiality of data
  - b. The development and marketing of self help software, etc.
- How to get position papers developed and disseminated.

### Next HUSITA Conference

- Time, sponsors, location, theme.
- Role of international association with conference.

We will synthesize your comments and hand them out at HUSITA. We are also seeking volunteers to help with this objective. Dick Schoech is coordinating this objective, so **reply to Dick** at University College, Cardiff, Social Work, POB 78, Cardiff, Wales, UK, CF1 1XL

### Research Projects and Reports

#### Study of nonprofits technology needs and practices available from Helen M. Wilson, Assistant Program Director, Spring Hill Center, POB 288, Wayzata, Minnesota 55391.

In 1985, Spring Hill carried out a research and conference program exploring the technology needs and practices of nonprofit organizations in the Twin Cities. With support from the Honeywell Foundation, the United Way of the Minneapolis Area, and the Benton Foundation, this program compiled a technology resource directory for nonprofits, surveyed nonprofits to assess their usage, attitudes and problems with respect to technology, and twice convened 80 leaders of Twin cities nonprofits to strategize about the future role of technology in their organization.

The report on Spring Hill's 1985 program titled Nonprofit Technology: Resources, Opportunities and Issues is available upon request. Readers will find it useful both for reviewing the issues explored by the program and in planning their use of technology. In addition to the report, copies of the research document titled Communications and Information are available.

Although Spring Hill's program is finished, several community leaders have met as a planning group to determine what can be done to promote the effective use of technology among Twin Cities nonprofits. The strategy to which the group has agreed tentatively calls for employing an individual to provide local leadership in establishing information, referral and technical assistance services, coordinated training, user groups, resource library and research about the need for a technology resource center.

As you will see from the report, the program and the follow-up that is underway represent a strong collaborative effort by twin Cities nonprofits to move from coping with technology to managing it as a resource. The promise for improved management and improved services to constituencies is substantial. Realizing that promise will require continued leadership by many in our community.

Some selected survey findings follow.

- A full four-fifths of the participants see value in database information retrieval, but currently only one-fifth actually use it
- One-half of the participants thought electronic mail would be helpful to their organization while only a quarter of that number currently have access to it.
- Of all the barriers confronting organizations in dealing with new technologies, the availability of funding and cost were most often cited as a big problem. Just keeping up with developments and the difficulty of staff adaptation and training were cited as barriers of almost equal importance overall.
- When asked what they see as the next step for their organizations regarding computer technology, participants most often cited training their staff members to utilize computers—far ahead of any other of the six options they were given.
- There is a strong, steady acceptance of the need for a nonprofit computer support system that would offer

information, training, access to equipment, group purchasing and other services to Twin Cities non-profit groups.

### Health and Mental Health

**PC mental health center system being developed from Kathy Gerstman**, 2421 North 40 Ave #107, Hollywood, FL 33021.

I am a program evaluator/planner responsible for quality assurance and grant writing at a Henderson Mental Health Center in Fort Lauderdale, FL. I am involved with the implementation of a computer system at Henderson. We now have two PC's and are starting to computerize finance, and are waiting for downloading to make use of the other PC for program evaluation/MIS applications. I am also a part-time Ph.D. student in Social Work at Barry University in Miami Shores.

### Disabilities

**Reviewers of visually impaired aids needed** from the National Technology Center, American Foundation for the Blind, 15 W. 16th St., NY, NY 10011.

The National Technology Center of the American Foundation for the Blind is looking for users of computer equipment and aids that are useful to blind and visually impaired persons.

If you are interested in serving as a resource person and/or a possible evaluator for the Center, please contact us by phone or mail. As a resource person, you will be contracted to share your experiences about employment, equipment used, and training you received. This will be an invaluable resource to consumers, educators, and employers. As an evaluator, you may be requested to evaluate new and existing devices, and reports of results will be published. Information will be stored in our Data Base for referral. All personal data will be kept confidential.

The National Data Base will be a nationwide source of information about commercially available products for the blind and visually impaired persons—ranging from canes and braille watches to sophisticated computer systems; courses available at training centers; names of users; funding resources; and previous evaluations performed on devices.

**Assistive Device Center requests resources from Henen Woodall**, Resource Coordinator, California State U., Sacramento School of Engineering & Computer Science,

650 University Ave., Suite 101B, Sacramento, CA 95825.

The Assistive Device Center provides a multidisciplinary focus for delivery of services to the disabled populations of Sacramento County and its vicinity. Its purpose is to aid disabled children in the acquisition of electronic and mechanical devices that will assist them in productive daily living. At the present time, we are trying to establish a resource center containing books, articles and brochures of interest to individuals with disabilities. Any relevant information will be appreciated.

**Independent living resource directory being developed from Gary Ulicny**, The Research and Training Center on Independent Living, U. of Kansas, BCR/348 Haworth, Lawrence KS 66045.

We are currently attempting to develop a directory of computerized information systems (i.e., information brokers, bulletin boards, etc.) relevant to the field of Independent Living for persons with disabilities. We hope to include sources on the national, state and local levels.

As professionals involved with information sources we need your help. First, we would welcome information about services, so that we may include them in our directory. Second, as you know, new information sources are being created almost daily. If you know of any relevant sources we would greatly appreciate any leads that you may provide to assist us in locating them.

**PCXT & CADO Contel System by Donald R. Thornton**, Director of Finance, Residential Services for Developmentally Disabled Adults, 2875 Fish Hatchery Rd., Madison, WI 53713.

Your organization was named in Foundation News as a source of computer information and resources. We are interested in any materials that may provide for the well being and growth of our residents, assist us in providing services to those residents, or the better utilization of our resources.

We are a nonprofit agency serving the needs of developmentally disabled adults (primarily those with a diagnosis of Mental Retardation). In the area of computers, we currently use a CADO Contel System. In addition, we have a PCXT system that can interact with the CADO. Current use is standard accounting business functions, required government record keeping, and some resident information. Currently, no programs are in use with direct resident interaction.

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## Resources and Materials

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### Electronic Information Resources

**Research Support Network BBS** contains summaries of behavioral and social science funding information. For information, call Don White at (202) 955-7742 at the American Psychological Assn.

**TECH-NET**, the electronic databases component of the Private Sector Initiative Technology Project (PSI-TECH). For information, write Concepts for Independent Living, 2203 Airport Way South, Suite 310, Seattle, WA 98134.

**CompuHelp**, a database for the blind and visually impaired community from the National Association of Blind and Visually Impaired Computer Users, POB 1352, Roseville, CA 95661-1352, voice phone: (916) 783-0364, Modem (916) 786-3923. CompuHelp provides an ongoing exchange between manufacturers, self-help groups, and other interested parties and the blind community in general.

**Tech-Tapes** are taped messages on special education technology. Callers use their telephone to call anytime and select the tape by pressing numbers on the telephone keypad. For the list of tapes and codes, call (800) 345 TECH.

**Special Education Solutions Database** contains products for disabled children and adults. Write Apple Computer, Special Education Solutions, 20525 Mariani Ave., MS 23-D, Cupertino, CA 95014.

**Closing the Gap Solutions** is a database of computer-related products for special needs populations. Write CTG Solutions, POB 68, Henderson, MN 56044.

### Newsletters, Magazines, & Journals

**Computer Speech and Language**, a new quarterly Journal from Academic Press is soliciting papers on research in speech sciences. The first issue is planned for Spring 87. It will publish research related to quantitative descriptions of recognition, understanding, production and coding of speech by humans and/or machines. Areas of study included are use of constructive mathematical analyses, computer simulations, pattern analysis algorithms, syntactic and linguistic structures, human performance models and use of computers measurements. For more information, write Stephen E. Levinson, PhD, Acoustics Research Dept., AT&T

Bell Lab, 600 Mountain Ave, Murray Hill, N.J. 07974 or Professor Frank Fallside, University Engineering Dept, Trumpington St., Cambridge CB2 1PZ.

**Aids and Appliances Review**, from The Carroll Center for the Blind, 770 Centre St, Newton, MA 02158. This newsletter contains case studies, Resource lists, conference listings and general information.

**PULSE**, from Concepts for Independent Living, 2203 Airport Way South, Suite 310, Seattle, WA 98134. This newsletter reports information from the Private Sector Initiative Technology (PSI-TECH) project, the combination of government and industry to use technology for persons with disabilities.

**Clinical Forum** is a Rehabilitation newsletter from the Fortress Scientific Institute Clinical Series on mobility, 61 Miami St., Buffalo, NY 14204.

**The Compu-Tech Connection** is a newsletter which presents software and other resources of interest to the rehabilitation field. Write c/o Stout Vocational Rehabilitation Institute, School of Education and Human Services, U. of Wisconsin-Stout, Menomonie, WI 54751.

**Data Line** is a newsletter from Metro Industries, Inc., 1086 Brentwood Court, Lexington, KY 40511. Data Line reports on the microcomputer software for vocational rehabilitation facilities being developed through Project Interact. Major software module areas include Production systems, rehabilitation systems, and quality control systems.

**Global Electronics** is a monthly newsletter monitoring current trends in the technology, economics and impact of the electronics industry. Available from Pacific Studies Center, 222b View St., Mountain View, CA 94041, (\$10/yr).

## Articles

David Chaum in Security without identification: Transaction systems to make big brother obsolete' *Communications of the ACM*, October 1985) suggests a way to prevent the government, credit bureaus, and other operators of data banks from matching data from more than one file. Matching depends upon the use of identifiers, such as names or social security numbers which are common to two or more systems. Presently, investigators need only program a computer to search out an identifier in two filing systems or even run an automatic comparison. Once two files are found, the information can be combined.

Chaum proposes to do away with common identifiers and replace them with random, electronically generated digital pseudonyms. Each individual would have his/her own card-size computer, responsible for generating and recalling such pseudonyms. He proposes a system designed to provide security to customers as well as vendors.

It is unlikely that CHaum's approach will prove politically acceptable to the powers-that-be. It has not yet been evaluated technically. But for a computer scientist to attempt to turn the technology around to support individual freedom is still a major step forward (from Global Electronics, see newsletters above).

## Books and Reports

**Smith, Norm J. (1985) Social Welfare and Computers: A General Outline**, Australia: Longman Cheshire Pty Limited. 124 pages.

### Contents

- Social Welfare: An outline
- Data, Information, Knowledge, and Welfare Development of the Computer
- The Micro-revolution
- Computers in Social Welfare: Reactions and Changes
- Distributed Data and Database Systems
- Information and the Need for Understanding

**Newman, Frederick & Sorenson, James (1986) Integrated Clinical and Fiscal Management in Mental Health: A guidebook**. Norwood, NJ: Ablex Publishing Corp.: (\$34.50)

### Contents

- Overview and system design
- Designing the clinical process and procedures
- The visible evidence: Designing your clinical records
- The visible evidence: clinical data dependability
- The fiscal system Management support: focusing personnel roles of the client
- Management support: data analysis for management use
- Information systems

**Pursuing Excellence in a Time of Declining Resources: The role of automated information systems – proceedings of the 9th annual MSIS National Users Group Conference**, November 21-22, 1985, Tarrytown, NY. 400pp, \$20. From Information Sciences Division, Nathan S. Kline Institute, Orangeburg, N.Y., 10962.

### Selected Contents

- Issues & implications of DRGs for psychiatric patients
- Prospective, cost-based & mixed reimbursement systems
- Accreditation...How and Why?
- Research on the homeless mentally ill. Planning a statewide integrated MIS: The CN & NY experience
- Information resources management for alcoholism services

**Kotulak, Margo & Payton, Marick, (1986) The CAL-COMP Final Report: A consortium approach to community agency automation**. From California Community Organization Management Program, 602 Middlefield Road, Redwood City, CA 94063.

### Contents

- Needs Assessment and agency selection
- Training and system support
- Multi-user Microcomputers
- Implementing data systems
- Electronic Communications/community information systems
- Organizational/consortium issues

**Nonprofit Technology: Resources, opportunities and issues (Fall 1985)**. Available free from the Spring Hill Center, POB 288, Wayzata, MN 55391. (See members comments & activities for a letter describing the project in more detail)

**Microcomputers in Transit: A needs assessment and Implementation Handbook**, (April 1985). 93pp, Single copies available free to state and local officials from Technology Sharing Program (I-30IH) Office of the Assistant Secretary for Governmental Affairs, USDOT, Washington, D.C., 20590. Include a post paid envelope.

**Lenny Siegel & John Markoff, (1985) The High Cost of High Tech: The dark side of the chip N.Y.:** Harper & Row.

## Software Announcements

**Guru**, is an integrated package containing an expert system shell, a natural language interface, a database, graphics, spreadsheet, word processor, and communication. Guru is from the developers of KnowledgeMan, Micro Data Base Systems, Inc, POB 248, Lafayette, Indiana (317) 463-2581. The cost is several thousand dollars. An examination copy of Guru was provided to CUSS and the Journal Computers in Human Services for review. The integrated features are ideal for the human services for an expert system

rule can call a database field or query or a spreadsheet calculation. The results of a guru rule or session can also be written to a database. While guru comes with 4 large manuals, I have had difficulty reviewing the package because the documentation is inadequate. MDBS admits the first version of GURU is really a programmers tool, not a end-user tool. However, they are developing a user interface and more tutorials for the second version which is due out in March 1987. If you have the programming expertise available, Guru is probably one of the most powerful system development packages available for the PC.

**InLarge**, Produces a large Print Computer Display for the visually impaired on the Macintosh, from Berkeley System Design, 1708 Shattuck Ave., Berkeley, CA 94709 (415) 540-5537 \$95.

**NFP Fund Accounting and Member/Donor System** from the National Easter Seal Society, 2023 West Ave., Chicago, IL 60612 (312) 243- 8400. This attempt by a national association to develop software for its agencies should be encouraged. Maybe other national associations will join forces with the National Easter Seal Society and produce some really nice generic human service software.

**Simple Nonprofit Accounting Program (SNAP-1)** from Nonprofit Educational Research Corporation, 872 Carr Ave., Santa Rosa, CA 95404 (707) 546-5711. Runs in BASIC on almost any micro, (\$200).

**Child Protective Services; Adoptive Services, Day Care Services; Adult Protective Services; and In-home Supportive Services** software available from Sperry Corporation, Blue Bell, PA 19424 (800) 547-8362, ex 48. It is nice to see a big computer corporation producing human service software.

**Quality Assurance Program** is an integrated information system/report generating program to meet ICF/MR facility requirements. From Planet Press, POB 3477, Newport Beach, CA 92663 (714) 657-5994 (\$5000-\$8000).

**Personal Lawyer/Wills** engages the user in a question and answer session to produce a individualized will. It is available from Lessen Software Inc., POB 1190, Chico, CA 95926.

**Transportation Software Listing** from the Center for Microcomputers in Transportation, U. of FL, 346 Weil Hall, Gainesville, FL 32611 (904) 392-7905.

**AMIS Hospital Social Work/Discharge Planning System** from King Associates, LTD. 215 Shoreward Dr., Great Neck, New York 11021 (516) 487-5995, \$695. An IBM PC demo disk is available.

**Medical Social Work Information System** from Robert A Miller, Director of Social Services, Froedtert Memorial Hospital, 9200 W. Wisconsin Ave., Milwaukee, WI 53227 (414) 259-3058, \$595.

**Hospital Social Work Information System** from TekniComp Associates, Inc., 1435 Cornell Dr., Dayton, Ohio, 45406 (513) 277- 4277, approximately \$500. It is nice to see that some human service users have a choice with these three entries competing in the hospital social work market. Other packages were previously announced in the CUSS Newsletter. The software clearinghouse in Denver has a complete listing.

**Coping with Tests**, a test anxiety reduction program from Consulting Psychologists Press, 577 College Ave., Palo Alto, CA 94306 (415) 857-1444. \$50.

**Software listing from Towne Square Psychological Services, Inc.** POB 367, Canfield, OH 44406. Software includes tests and automated social history.

**Selected Products for people with special needs** a 32 page catalogue specifically catering to the needs of the impaired. Available from Tandy Corporation/Radio Shack, 1800 One Tandy Center, Ft. Worth, TX 76102 or from you local Radio Shack store.

**Mental Health Billing and Reporting System** from Robert Bischoff, Cupertino Town Center, 20370 Town Center Lane, Ste 202, Cupertino, CA 95014 \$80.

## Resources for the Disabled, From Equal BBS (see inside front cover)

### Handicapped BBSs

Among the first disabled BBS – and still the best according to all of us who have used it – is HEX (Handicapped Education Exchange) in Washington, DC.

It is free and operates from Silver Springs, Maryland. It is on-line 24 hours a day, seven days a week. HEX is primarily intended as a free service for those involved in the education of the handicapped, as well as for communication with and among disabled persons.

HEX is a dial-up database and electronic mail system, a clearinghouse and information exchange concerning applications of technology (such as computers) to aid the disabled. It lists sources of hardware and software, as well as conferences and seminars dealing with these subjects. It identifies magazines, newsletters, user groups, and other sources of data.

According to Robert Mauro on the SOURCE, bulletin board for the disabled such as HEX and EQUAL may be useful in the following ways:

- A way for the disabled to make known the types of devices they need;
- A way to determine what technical assistance disabled people need;
- A way for those having products, services, or information to make known their availability.

The HEX dial-up number is (301) 593-7033. For info, write: Richard Barth, Sysop 11523 Charlton Drive Silver Springs, MD 20902. His voice number is (301) 681-7372.

### PIRATES' COVE

Unlike HEX, PIRATES' COVE has a \$12 yearly membership fee. Located in FARMINGVILLE, LONG ISLAND, this is one of the country's largest privately owned bbs. It has 61 boards on such diverse subjects as games, law, medicine, hobbies, ham radio, and cooking – to name only a few. There is also board number 61, which is the handicapped user's board.

On board 61, you can read and leave messages that have to do with disabled persons or aides and equipment you are selling or that you might need.

To connect with PIRATES' COVE, just dial 516-698-4008. There is a 20-minute time limit for users; however, if your disability slows up your typing, Jeff, the BBS owner and operator, will remove the automatic 20-minute cutoff so you can have sufficient time to get full use of the BBS.

### DIGEX

Back to the free boards once again. DIGEX (Disabled Interest Group Exchange – I think. The club's name is DIGSIG) is in San Diego, CA (Ma Bell is SMILING already!), but it's worth the expense. Best to try it on a weekend when the rates are low, if you can get through to it.

Milton Blackstone is the Sysop and the phone number is (619)- 459-8225. There are quite a few download programs on-line, but remember the long-distance charges! It's VERY easy to get absorbed in a board like this and run up a WHOPPER of a tab!

### BLINDNET

Also in California – this time in Palo Alto, home of DIALOG, is BLINDNET, a service of Sensory Aids Foundation, a group

sponsored by the President's Commission On Employment of the Handicapped. The phone number is (415)-323-1062. There is a wealth of information on it – too much, in fact. The system is like an onion. You can spend precious time peeling the modifying keywords away layer by layer until you finally get the info you were seeking. (That's the GOOD part. The BAD part is it only accepts 300 Baud transmission!)

It has the latest reviews of equipment and software for the blind and visually impaired, but it must be a verbal nightmare for those using voice output to access it.

BLINDNET is worth trying, though, particularly if your interest – or need – is information for a visually impaired individual.

A user guide' is available by mail for \$4.00. Send check or money order to:

**BLINDNET**  
Sensory Aids Foundation  
399 Sherman Ave., Suite 12  
Palo Alto, CA 94306

### **MAKING MICROCOMPUTERS ACCESSIBLE TO PHYSICALLY HANDICAPPED STUDENTS**

Like other students, those in special education can use microcomputers for instruction. There are four instructional applications for micros; CAI, CMI, computer literacy and computer programming. CAI, or computer aided instruction, includes activities such as drill and practice, simulation exercises, problem solving and tutorial work. CMI, or computer managed instruction, includes activities such as record keeping, evaluating, lesson planning and curriculum development.

Computer literacy generally refers to the development of skills related to computer operation, computer applications, and the selection and evaluation of hardware and software. It sometimes includes computer programming but, more often programming has been identified as a separate activity. Unlike other students in regular education, physically handicapped students can use microcomputers to compensate for impairments.

Impairment compensation applications include sensory or perceptual compensation, communication aids, physical control or robotics, personal management, vocational adaptation and accommodation.

A major problem often encountered with physically handicapped students is how to make the microcomputers accessible to them. Accessibility to a microcomputer can be accomplished by using one of the following devices; a keyguard, a keyboard emulator, a control switch or, voice control.

The selection of access approach must be based on the needs, abilities and environment of each individual student.

A keyguard is a device, usually plastic, which is placed over the microcomputer keyboard in the same way a mask would be placed over the face. All of the microcomputer keyboard keys remain in view once the keyguard is in place. A keyguard has several uses. It allows the user to depress 2 keys at the same time, or so it seems to the microcomputer, although only one finger or pointer may be used. The keyguard also helps users who have erratic control to hit only the key they want and not slip onto another key by mistake. Because different microcomputers have keyboards varying in size and shape, it is important to buy a keyguard manufactured for a specific microcomputer.

A keyboard emulator is a board which fits inside the microcomputer connecting it to an electronic communication aid. The user can then operate the communication aid as if it were the computer keyboard; the communication aid emulates the microcomputer keyboard. This generally takes the form of scanning a menu on the microcomputer display screen, activating a switch thereby selecting an item on the menu. A switch is a device which can take many forms, however its function remains the same. It is plugged into a

device which replicates the keyboard and in turn is plugged into an emulator and the microcomputer.

Voice control in a microcomputer is based on the technology of voice recognition. It is comprised of both hardware and software components. The hardware can be either a circuit board installed in the microcomputer or, a unit housing the speech recognition device and connected to the microcomputer externally by a cable. A software program trains the system to understand speech. The system is limited to both the number of words it can recognize (generally about 50), and the fact that consistency of voice control, pitch and tone are required of the speaker.

Each access method has specific strengths and limitations making one more appropriate for a specific student than another. Many other factors must be analyzed as well in the decision-making process for each individual student.

For more information on this subject, contact:

Sarah Brandenburg  
Director of Information Section  
Trace Research and Development Center  
University of Wisconsin  
S-151 Waisman Center  
1500 Highland Avenue  
Madison WI 53706

or Dr. Paul Schwejda  
Alternative Communication Project  
Child Development and Retardation Center  
WJ-10 University of Washington  
Seattle WA 98195

### **ALEXANDER GRAHAM BELL ASSOCIATION FOR THE DEAF** 3417 Volta Place, NW Washington, DC 20007 (202) 337-5220 (Voice/TDD)

AGBA is a publication and information center about deafness. Bell's philosophy of mainstreaming deaf children emphasizes oral-deaf education. Lip reading and use of residual hearing for oral communication differentiates this group from those who use manual communication (sign language). Materials are designed for parents, teachers, and oral-deaf adults. Descriptive literature and a publications list (including The Volta Review journal for professionals and Newsounds, the newsletter for members), are available by request.

### **AMERICAN DEAFNESS AND REHABILITATION ASSOCIATION** 814 Thayer Avenue Silver Spring, MD 20910 (301) 589-0880 (Voice/TDD)

ADARA is a non-profit association of professionals and interested persons from the field of deafness that exists to offer opportunities for professional enhancement of its members, to promote the development and expansion of quality services available to deaf persons, and to offer a vehicle of communication through its forums, conferences, workshops, and publications. ADARA publishes the quarterly Journal of Rehabilitation of the Deaf, the monthly ADARA Newsletter, and occasional monographs and special publications. Members receive subscriptions to these publications. Membership is \$36.00/year (Regular), \$18.00/year (Retired, Student, Associate).

### **AMERICAN SPEECH-LANGUAGE-HEARING ASSOCIATION** 10801 Rockville Pike Rockville, MD 20852 (301) 897-5700 (Voice/TDD)

ASHA is the national scientific and professional association representing 36,000 speech/language pathologists and audiologists. ASHA publishes several professional periodicals and has a public information service.

### **CAPTIONED FILMS FOR THE DEAF MODERN TALKING PICTURES SERVICE, INC.** 5000 Park Street North St. Petersburg, FL 33709 (800) 237-6213 (Voice/TDD)

Distributes captioned films, both educational (requires at

least one hearing impaired student) and general interest (requires at least six hearing impaired individuals). Contact MTPS for application.

**GALLAUDET COLLEGE PRESS** Florida Avenue, NE Washington, DC 20002 (202) 651-5595 (Voice), 651-5276 (TDD)

Publications available include The Deaf Student in College booklet which outlines how to meet the needs of deaf students in mainstreamed settings, and Teacher's Resource Kit, a system for sensitizing hearing teachers of deaf adults. Write for the publications list for these and other resources.

**NATIONAL ASSOCIATION OF THE DEAF** 814 Thayer Avenue Silver Spring, MD 20910 (301) 587-1788 (Voice/TDD)

This national consumer membership association of the deaf can provide general information about deafness and related subjects. NAD publishes The Deaf American quarterly (\$10.00/year) and The NAD Broadcaster, a monthly newspaper (\$6.00/year). Members of NAD receive both publications as a membership benefit.

**NATIONAL ASSOCIATION OF HEARING IMPAIRED COLLEGE STUDENTS** c/o Mike Hogue Waubensee Community College Route 47, Harter Road Sugar Grove, IL 60544 (312) 466-4649 (TDD)

NAHICS is a national organization for deaf college students. The association initiates communication between colleges that have programs for hearing impaired students; holds conventions annually with students from the various colleges with or without programs for the hearing-impaired; shares expressions, opinions, social events, politics, and various interests of the hearing-impaired college students throughout the United States.

**NATIONAL CRISIS CENTER FOR THE DEAF** University of Virginia Medical Center P.O. Box 484 Charlottesville, VA 22908 Toll free (800) 446-9876 (TDD only), 24 hours a day, seven days a week. In Virginia call (800) 552-3723 (TDD only)

This is an EMERGENCY HOTLINE for the deaf. In case of medical emergency, poisoning, personal crisis, fire or police emergency, the staff will contact the appropriate local services, give instructions or make referrals.

**THE NATIONAL INFORMATION CENTER ON DEAFNESS** Gallaudet College 800 Florida Avenue, NE Washington, DC 20002 (202) 651-5109 (Voice/TDD)

NICD serves as a centralized source of information on topics dealing with deafness including education, research, demographics, law, technology and barrier-free design. NICD also provides information about programs and services at Gallaudet College.

**NATIONAL TECHNICAL INSTITUTE FOR THE DEAF** Rochester Institute of Technology One Lomb Memorial Drive Rochester, NY 14623 (716) 475-6400 (Voice/TDD)

NTID provides postsecondary technological education to hearing-impaired students and also serves as a resource to other education institutions where deaf students are attending regular classes. New Trends in the Education of Deaf Persons is a resource catalog produced by NTID. It lists more than 40 books, pamphlets, and brochures on subjects related to deafness and deaf education. To obtain a copy, write the Division of Public Affairs. Also NTID bookstore sells special non-carbon duplicating pads for notetaking which may be useful to students with learning or dexterity disabilities as well as hearing impairments and can be ordered through this catalog.

**TELECOMMUNICATIONS FOR THE DEAF INC.** 814 Thayer Avenue Silver Spring, MD 20910 (301) 589-3006 (Voice/TDD)

This national organization addresses issues related to telecommunications for the deaf. Aside from publishing an

annual directory of TDD numbers, it is a consulting agency that provides information and assistance on telecommunication issues. The annual directory is available to members only (\$10.00 annual membership fee.) Quarterly newsletter, GA-SK, covers information about telecommunications. □

## **BRILLE INSTITUTE, SENSORY AIDS LEARNING CENTER, DEVICES ON DISPLAY**

**Editor's note:** This list is circulating around BBSs and I felt it may have use to readers. It was not dated and so the currency and accuracy of the information is uncertain.

### **MOBILITY AIDS LASER CANE**

The Laser Cane converts reflected laser beams into audio tones which give information to the user. Its power supply is a rechargeable battery. Nurion, Inc. 651 Allendale Road King of Prussia, Pa 19406 (215) 265-8947

### **SONIC GUIDE**

The Sonic Guide uses a high-pitched sound to locate obstacles. The received sound, lower in tone, tells the user how far away the obstacle is. Wormald International Sensory Aids White Plains Office Centre Suite 110 205 West Grand Avenue Bensonville, Illinois 60106 (312) 766-3935

### **MOWAT SENSOR**

The Mowat Sensor uses high-pitched sound to locate obstacles. The received sound is converted into vibrations, fast for close objects and slow for ones farther away. Wormald International Sensory Aids

### **READING/VOCATIONAL AIDS**

#### **KURZWEIL READING MACHINE**

A compact system for converting printed material into high-quality, full-word speech. It also serves as an advanced talking calculator and voice for computers. Kurzweil Computer Products, Inc. A XEROX Company 185 Albany Street Cambridge, Massachusetts 02139 (617) 864-4700

#### **OPTACON**

The Optacon converts a printed image into a tactile image, letter by letter, that a blind user can read with one finger. It is both portable and rechargeable. Telesensory Systems, Inc. 455 North Bernardo Avenue Mountain View, California 94043 (415) 960-0920

#### **VIEWSCAN TEXT SYSTEM**

A portable and rechargeable reading/writing aids for the partially sighted user, this system displays print magnified up to 64 times on a small screen. The keyboard allows the user to use the Viewscan as a word processor, and perform personal computing and calculations. Telesensory Systems, Inc.

#### **TOTAL TALK**

A talking computer terminal capable of full-word speech, the Total Talk speaks what is displayed on the screen and what is typed at the keyboard. Maryland Computer Services, Inc. 2010 Rock Spring Road Forest Hill, Maryland 21050 (301) 879-3366

#### **INFORMATION THROUGH SPEECH**

This computer system provides full-word speech for audio output for word processing, form processing, a call directory, and a braille production system. Maryland Computer Services, Inc.

#### **APPLE IIe MICROCOMPUTER SYSTEM**

The Apple IIe, with the Echo II speech synthesizer, allows a blind user to hear screen text and what is typed on the keyboard. Software programs include: Braille-Edit, Documents, Info., utility programs, WordStar, VersaForm, and a program designed to teach BASIC.

Computer Aids, Inc.

William Grimm

4929 South Lafayette Street

Fort Wayne, Indiana 46806

(219) 456-2148

**Raised Dot Computing**

David Holladay 408 South Baldwin Madison, Wisconsin 53703 (608) 257-9595

**VERSABRAILLE SYSTEM**

A paperless braille word processor which stores text on audio tape cassettes. It is able to connect to computers, word processors, printers and braille embossers. Telesensory Systems, Inc.

**MICROBRAILLER 2400**

A paperless braille word processor which stores text on audio cassettes. It is able to work with computers, printers, braille embossers. Triformation Systems, Inc. 3132 SE Jay Street Stuart, Florida 33494 (305) 283-4817

**VERSATEXT**

VersaText is a word processing program developed for the VersaBraille system. It uses an Ampro 100 series microcomputer, and allows the user to write text in Grade Two braille and have it formatted in ink print. Telesensory Systems, Inc.

**DUAL VISUALTEK READ/WRITE TYPING AID**

The Dual Visualtek enables the partially sighted typist to see working copy and reading copy greatly enlarged on one TV screen. Visualtek 1610 26th Street Santa Monica, California 90404 (213) 829-6841

**VISUALTEK LARGE PRINT COMPUTER**

A microcomputer for the partially sighted, it displays enlarged print on a TV screen. It uses the TRS-80 microcomputer, Apple, and IBM PC. Visualtek Corporation

**PERKINS VIDEOSCOPE**

This portable closed circuit television enlarges print up to 60 times, and can connect to a standard home television set. Perkins School for the Blind 175 Beacon Street Watertown, Massachusetts 02172 (617) 924-3434

**VERT 6000**

The VERT 6000 is a speech output peripheral designed for use with computer systems. It has a 12,000 character memory, internal dictionary, and is keyboard operated. Telesensory Systems, Inc.

**ARDAC CURRENCY IDENTIFIER**

The Ardac Currency Identifier will speak the denomination of currency when used alone or with the R. C. Allen Talking Cash Register. It will identify one dollar, five dollar, ten dollar and twenty dollar bills. American Foundation for the Blind

**SPEAKWRITER** The SpeakWriter is a talking typewriter designed for the Silver- Reed Typewriter. It will vocalize all keys pressed, and will read back the current and previous line typed. Quantum Engineering Design Party, Ltd. 97 Anzac Avenue West Ryde 2114 Sydney, Australia

**HOME/PERSONAL AIDS****Innovative Rehabilitation Technology, Inc. (IRTI)**

26699 Snell Lane  
Los Altos Hills, California 94022  
(415) 948-8588 voice or TTY

**American Foundation for the Blind**

15 West 16th Street  
New York, New York 10011  
(212) 620-2172

**Street Electronics Corporation**

Echo II synthesizer  
1140 Mark Avenue  
Carpenteria, California 93018  
(805) 684-4593

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## Upcoming Events

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**Computer Applications in Medicine and Health Care**, May 13-16, 1987, San Francisco, CA. Contact: AAMSI, Suite 700, 1101 Connecticut Ave., N.W., Washington, D.C., 20036. (202) 857-1189.

**13th Annual conference of Data Archive and Data Library Professionals**, 19-22 May 87, Vancouver, Canada. Write IASSIST 87, Carolyn Geda, ICPSR, Box 1248, Ann Arbor, MI 48106.

**MUMPS: An Investment for the 1990's --Mumps Users' Group Sixteenth Annual Meeting**, June 8-12, 1987, Atlanta, Georgia. The main focus will be on the effectiveness of MUMPS applications in the corporate and academic communities. Contact 4321 Hartwick Road, Suite 510, College Park, MD 20740, (301) 779-6555

**First Annual Conference of the European Society for Artificial Intelligence in Medicine**, Marseille France, Aug 31-Sep 3. Write D. J. Fox, AIME Secretary, Imperial Cancer Research Fund Lab., London, WC2A 3PX.

**HUSITA '87: A Technology to Support Humanity**, The First International Conference on Information Technology Applications in the Human Services or HUSITa, will be held in Birmingham England in Sept, 7-11, 1987. Contact: Walter

LaMendola, U. of Denver, School of Social Work, Denver CO 80208 or Stuart Toole, City of Birmingham Polytechnic, Dept. of Sociology, & Applied Social Studies, Parry Barr, Birmingham, B42 2SU, England, Tel is 021-356-6911 (ext.303/301)

**National Association of Social Workers Convention** New Orleans, LA, Sep 9-13?. Bob Elkin (see CUSS board list) is coordinating a computing agenda and CUSS meeting at this conference. We are looking into the feasibility of linking up Bob's group with the England HUSITA conference electronically. Those wanting to help on this effort should contact Bob Elkin.

**Third Annual Computer Technology Special Education/Rehabilitation International Conference**, 15-17 Oct 87, Los Angeles California. Write California State U. Northridge, Northridge, CA 91330. 300-500 word proposals due by 1 May 87.

**Nursing and Computers** (International Conference), June 21-24, 1988 at Trinity College in Dublin Ireland. Will be hosted by the Irish Nursing Board. Contact Secretary, Irish Nursing Board, 11 Fitzwilliam Place, Dublin 2, Ireland, or call (01) 609788, Telex is 91212 ABAL EI.

I wish to join/renew membership in the CUSS Network. Send to:

Dick Schoech, UTA, POB 19129, Arlington, TX 76019.

In Australia, send to Floyd Bolitho, La Trobe U, Social Work, Bundoora, Victoria, Australia 3083.

In Austria, send to Mag. Monika Vyslouzil, Sickenberggasse 7/16, 1190 Wien, Austria.

In England, send to Lawrence Mosley, Computer Science Dept., University College, Singleton Park, Swansea, United Kingdom SA2 8pp.

In France, send to Alain Mazet, 10, Boulevard Gambetta, 87000 Limoges, France.

In Israel, send to Menachem Monnickendam, Deputy Director, Dept. of Development of Local Social Services, Ministry of Labor and Social Affairs, POB 1260, Jerusalem, Israel 9100.

In the Netherlands, send to Albert Visser c/a Lekbandijk 23, NL-4119 RA Ravenswaay Netherlands.

Name \_\_\_\_\_ Title/Occupation \_\_\_\_\_  
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Dues: I enclose \_\_\_\_\_ for  new  renewal (Pay in U.S. Funds if possible) Make checks payable to CUSS Network. Dues are \$5 for students and the poor, \$10 for individuals (personal check) and \$15 for organizations. Foreign subscribers should add \$5 for overseas postage and handling. UTA's Federal Taxpayer's ID# is 75-6000121W.

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