

Networking: The Linking of People, Resources and Ideas

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About the Network

Computer Use in Social Services Network (CUSSN) 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: \$15 individuals, \$25 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. Materials for the newsletter are welcomed. Send either in printed or MSDOS format.

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 3000 microcomputer-based local

bulletin boards across the U.S. and in 9 continents. Contact your local computer store for a list of local FIDO/OPUS nodes. 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.

Vendor/Consultant	Contact Person	Services
California		
Planet Press P.O. Box 3477 Newport Beach, CA 92663-3418	Anne Breuer (714) 545 3749	Consultants and developers for schools, group homes, residential facilities and human service providers. Specialists software for Quality Assurance, Case Management, Behavior Management and Human Rights Documentation, Consent Decree Litigation Review, Adaptive Behavior assessments, School Psychologist Report Writing.
Florida		
Community Service Council of Broward County, Inc. 300 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.
Illinois		
OUTP ST, Inc. Drawer CNC6 119 Wilson St., Park Forest, IL 6046	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.
Synergistic Office 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/Fund Raising, Client Service/Receivables - and a full range of SERVICES - feasibility studies, programming, training, and support.
Indiana		
Master Software Corp. 8604 Allisonville Rd., Suite 309, Indianapolis, IN 46250	Joan K. Boyer, (317) 842-7020	Fund-Master development software features donor/prospect tracking, online inquiry to demographic and pledge/gift records, account selection capability, word processing interface, labels, campaign analysis, pledge processing, and more. Fund-Master runs on IBM PC's & compatibles, Data General Desktop and MV series. Single-and multi-user versions are available.
Maryland		
KBL Group Inc. 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.
Michigan		
ON-SITE, 2955 Jackson Blvd. Highland, MI 48031	Larry J. Renaud (313) 887-2119 after 6:00 (313) 846-7020	ON-SITE offers consultation; information system planning; training; workshops; hardware and software evaluation.
New York		
King Associates, LTD. 215 Shoreward Drive Great Neck, NY 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 programming are also available.
North Carolina		
Nat. Collegiate Software Clearinghouse, School of Humanities & Social Sciences, Box 8101 North Carolina State University, Raleigh, NC 27695	G. David Garson Director (919) 737-3067 (919) 737-2468	A non-profit, educational, software service of North Carolina State University, the clearinghouse develops and distributes low-cost, programs for IBM and Apple formats. Offerings include A-Stat, a full featured statistical package and Community Mental Health Simulation. Write or call for a free catalog.
Rhode Island		
Applied Innovations, Inc. South Kingstown Office Park Wakefield, RI 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 (e.g., MMPI), office management (e.g., billing/insurance forms), or Assessment (e.g., psychological histories).
Australia		
Human Services Info, 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 & implementation. Software Development and hardware vendor.

The above paid advertisements represent no endorsement or favorable review by CUSS. 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: Available for 7 cents per label.

CUSSN 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, 2500+ local bulletin boards around the world which automatically exchange information. 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;

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, call long distance to any CUSSnet node listed below (you can learn to use FIDO BBS software by calling a local node.) To locate a local FIDOnet nodes, ask your local microcomputer dealer. You can use a local FIDOnet node to send mail and pick up whatever CUSSnet information your local BBS operator will get for you. You may have to pay a small deposit to your local FIDO for long distance mail. 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.

CUSSnet Nodes:

Code: p = gets weekly information from 138/35; e = has International conference;
CODE = c = carries human service files for uploading and downloading

City & State	Net/Node	Phone Number	Operator	Specialty Focus	Code
Tempe AZ	114/23	602 965 1588	Walter Hudson	Research papers	p c
Phoenix AZ	114/15	602 235 9653	Doug Dodall	Disabilities	p e
Chico, CA	119/13	916 343 4422	Tom Baughman	Disabilities	e
Denver CO	104/52	303 270 4936	Chuck Mastrini	Nurse Practitioner	p e c
Denver CO	104/51	303 329 3337	Claude Warren	Psychiatric Information	p e c
Washington DC	109/672	202 775 1940	B Straugham	Community agencies	c
Indianapolis IN	11/207	317 842 7728	Dave Appel	Funding Acct. software	e c
Murray KY	11/301	502 762-3140	Bill Allbritten	Handicap Information	p e c
St. Louis MO	100/999	314 889-4696	Bill Butterfield	Biblio. Information	p e c
Raleigh, NC	151/101	919 851-6806	Michael Bowen	Handicap Information	p e c
New Hampshire	132/111	603 225 7161	Doug Hall	General	p e
Las Cruces NM	15/4	505 646 2868	Mike Connealy	NASW NM State info.	p e c
Garden City NY	107/240	516 228-7938	Gunther Geiss	Skills Bank	p e c
Pittsburgh PA	129/65	412 487 3701	Brian Hughes	General	e
Arlington TX	130/5	817 273-3966	Dick Schoech	Recent Publications	p e c
Arlington TX	130/10	817 640 7880	Carrie Brown	Disabilities Information	p e c
Houston, TX		713-749-1744	Paul Raffoul	Health (5pm-8am)	c
Seattle WA	343/35	206 442-8127	Steve Ice	Federal Information 12am +	p e c
Cardiff, Wales	511/43	+44222490722	Walt Davidson	General	e
Wigan, U.K	510/64	0942 722984	David McKendrick	Health Information	e c
Oxford, U.K	503/46	865 882872	Nick Middleton	General	e
Netherlands	508/14	+31837615363	Marko Mazeland	General	e
Israel	to be added	Menachem Monnickendam		General	

Due to rapid changes, this list will always be outdated. Send revisions to Dick Schoech 130/5 (rev. 3/22/88)

To start a Node, call Steve Ice or Paula Galloway in Seattle, Wa. Voice Ph. 206-442-2430

Descriptions of Nodes carrying CUSSnet information

Name: LINKS.BBS

SysOp: Tom Baughman P. O. Box 7540, Chico, CA 95926-7540

Net/Node: Net 119 Node 13; 24 hrs/day; 7 days a week; 300-2400 BPS; 8/N/1

Phone Number: 916 343 4422

Description: LINKS.BBS is a public access bulletin board provided by Community Living Centers (a non-profit organization providing service to individuals with special needs) as a public service. LINKS.BBS is devoted to LINKING people to people and providing a forum for the exchange of ideas and information. Community Living Centers is a non-profit agency that provides residential services to the mentally disabled and independent living skills training to the developmentally disabled in Northern California. We have programs in Chico, Paradise, Daly City and Redwood City California. For further information called voice (916) 343-4421 or write P.O. Box 7540, Chico CA 95928.

Message Areas

- LINKS - This board only, local messages and system questions.
- E-MAIL - Private mail to individuals on other FidoNet BBSs

(local conferencing)

- ANARCHY - Local political, social, moral discussions.
- FOR-SALE - Local for-sale/trade

- CHICO-TECH - Not so frivolous nonsense
- (National conferencing)
 - CONTROV - National political, social, moral discussions.
 - GENEALOGY - National Genealogy Conference
 - HAM - Amateur radio national echo.
- (Social Services/Self Help)
 - CUSS - Computer Uses in Social Services Network
 - ABLED - Computer users with special needs
 - MEETING - Closed ?A meeting, dependencies (ask Sysop for entry)
 - RECOVERY - Coffee break for ?A meeting, dependency issues
 - AIDS/ARC - National AIDS/ARC Network
 - SENIORS - Discussion with Seniors (all welcome)
 - BEYOND WAR - National discussion on peace and related issues
- (Computers, Languages and Applications)
 - Artificial Intelligence
 - CBM - Commodore (C-64, C-128)
 - AMIGA - Users interest discussion
 - C ECHO - C programming language discussion
 - ECPCOG - General programming discussion
 - DV - DesqView multi-tasking program discussion

File Areas

- Utilities and Communications
- Genealogical Data Files
- Genealogy Program Files
- E-Mail Attached Files
- Bulletins, Updates and Archives
- Files Requested from FILES.ARC
- Recent Uploads
- Programming Aids and Source Code
- Odds 'n Ends

Name: UHGSSW CUSSNET

Net/Node: Net 106, Node 105

SysOp: Paul Raffoul, School of Social Work, U. of Houston.

Phone Number: 713-749-1744, (5pm-8am)

Description: UHGSSW CUSSNET operates after work hours (1700-0800) Monday-Friday and all day weekends and state holidays by using the phone lines at the University. We are a HEALTH CARE board with job announcements in health care for social workers, meetings, announcements, and continuing education courses of interest sponsored by our GSSW. All users are welcome to call. Users must register to become a full member. We hope to have member agencies purchase services in the future.

Name: Public Psychiatry Bulletin Board,

SysOp: Claude Warren, Denver, CO.

Net/Node: 104/51

Phone Number: (303) 329 3337

Description: Public Psychiatry Bulletin Board, P2 B2 S, is a member of CUSSnet. We are located in Denver and specialize in programs for Psychiatry and other Social Service oriented professions as well as Artificial Intelligence. We hope to provide remote counseling assistance sometime in the near future.

Notes from the Editor

First, let me apologize for this issue being late. This double issue is the first I put together since coming back from Wales. Previous issues were camera ready upon return.

I found that many things needed attending to upon my return. For one, my grant had to take priority. Next, I found I had to update myself on many new or updated pieces of software, e.g., OPUS vs. FIDO, Wordstar Release 4™ (I refuse at the moment to switch to WORD™), RBASE™ for DOS, etc. With arriving back after the semester started, I just never got a chance to get a newsletter together before now. Also, you may have noticed one reason why I am late. I am now using Xerox Ventura™ desktop publishing software to produce the newsletter. Ventura should allow me to be more timely and to produce more readable copy. I always seemed to approach the typesetting office when they were busy, busy, busy and changes took weeks.

I am sad to announce a dues increase. Joining CUSSN will now cost \$15 for individuals (personal check) and \$25 for institutions. I no longer accept foreign checks since, it costs me about \$15 just to cash a foreign check. I was operating at the bare margins before, and when I returned from Wales, I was over \$1000 in debt. I hope the increase will allow CUSSN to move forward in other areas. As you know, many of the people donating time for CUSSnet activities have come to face the reality of the tremendous need vs. the time they had available.

This issue begins a series of interviews with prominent people in the field. I feel interviews are a way to get timely information out to readers without people having to write an article. The interview format also allows me to explore information about the people themselves, not just on their work.

So, while very late, this issue marks a turning point. I am still looking for guest editors, so help out and have a little fun. Remember a network involves two way communication.\$

Articles, Reviews, and Reports

Personal Micro Computer Management Tools, By Steven J. Ickes and Glenn Riley

Steven J. Ickes is an Assistant Administrator, and Glenn Riley is the Management Analyst. Both are at the Children's Services Div, Region 1., Department of Health and Human Resources, 198 Commercial St. S.E., Salem, Oregon, 97310.

Since 1978 and before, the Children's Services Division (CSD) in the State of Oregon has been developing tools to assist social service workers in handling their caseloads. Initial developments took the form of mainframe based database applications to capture and track case histories, provider profiles, provide monthly listings of activities, etc.. While this approach provides a valuable service to the social service worker and management, it does not directly address the workload on their desk, that is, developing and managing case narratives, P.L. 96-272 reporting requirements, court reports, managing personal calendars, address/telephone files, etc..

"Today we are working on a draft prototype which identifies the personal tools and information needed by Field Services staff at various levels."

It is the result of several months of conversation and discussion with respect to how field staff see their jobs and how those jobs could be made more effective and efficient.

As you can see from the various menus and functions, the mix of tools and information change with the job functions and unique needs of each area:

- At the Administrative level tools will be available to: aid in planning for Human, Program, and Technological resources; track sensitive case issues; evaluate budgets, workload and demographics; access agency policy and an electronic Human Resource Directory, and maintain a personal calendar and telephone/address file.
- Branch and Program managers will have tools to: aid in planning for Human, Program, and Technological Resources; evaluate Branch budgets, workload and demographics, access agency policy and an electronic Human Resources Directory, and maintain a personal calendar and telephone/address file.
- Supervisors will have tools to: aid in case assignment and tracking; tracking budgets; access agency policy, decision-making aids, and an electronic Human Resources Directory, and maintain a personal calendar and telephone/address file.
- Caseworkers will have tools to: aid in documenting case related activities, producing Letters, Reports and filing out Forms; an electronic Human Resource

Directory, and maintain a personal calendar and telephone/address file.

- Office Managers will have tools to: track office budgets; track personnel actions; support purchasing and inventory functions, and maintain a personal calendar and telephone/address file.
- Human Resource Aides will have tools to: access case information, an electronic resource directory, agency policy, and maintain a personal calendar and telephone/address file.
- Clerical Staff will have tools to: aid in case filing; producing Letters, Reports, and filling out Forms; accessing agency policy and an electronic Human Resource Directory, and maintain a personal calendar and telephone/address file.

These Personal Micro Computer Management Tools, when implemented to meet the specific needs of field staff, will go a long way towards reducing the large amount of time currently consumed by endless paper work.

"End users of micro computers, with experience in advanced word processing, have identified that if this system were implemented it could save anywhere from 35% to 50% of the current time dedicated to paper work."

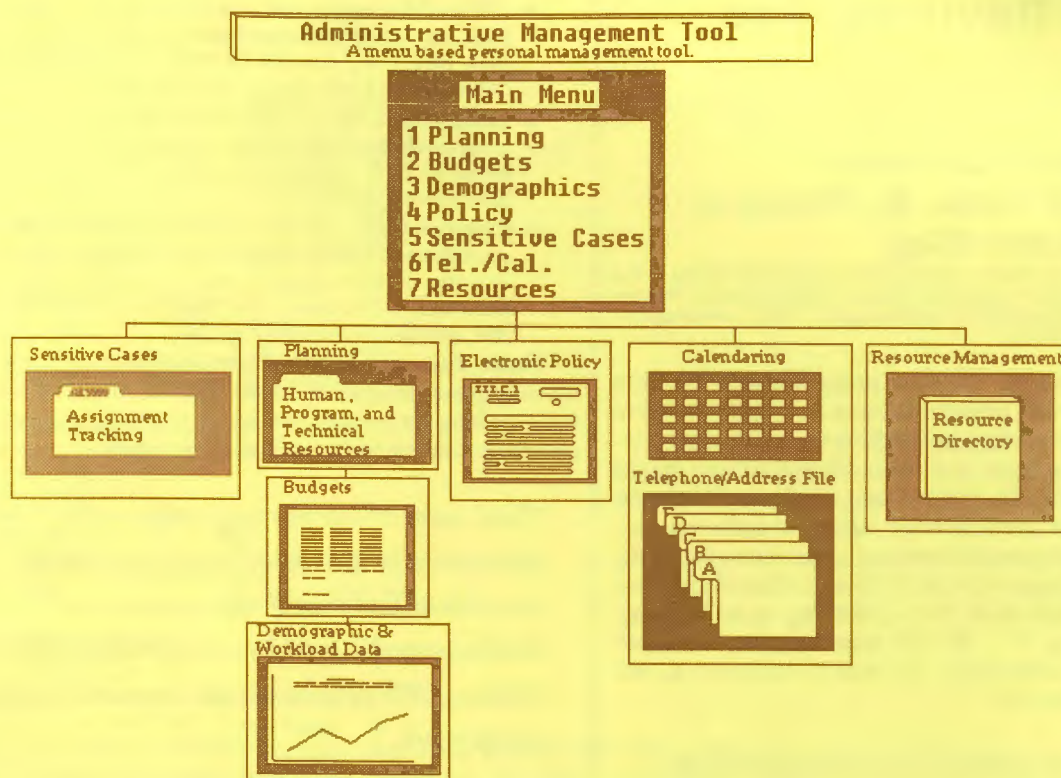
[note the illustrations on the pages 6, 7, & 8]

Using micro computers at the Regional and Branch levels in Child and Family Service Agencies to solve a variety of everyday, personal work load issues is rapidly becoming a reality at CSD in Oregon. Currently several prototype projects are testing the premise that social service workers can benefit from direct access to word processing. Menu driven user interfaces combined with advanced use of macro and merge capabilities are making possible the development of core case documents from which form letters, routine reports, and so on can be rapidly generated using the core document as the data source. This approach relieves the worker from much of the redundancy inherent in current methods. Preliminary testing using WordPerfect software is showing great promise. Compatible WordPerfect Library software has proven capable for integrating calendaring and address/telephone file functions with word processing.

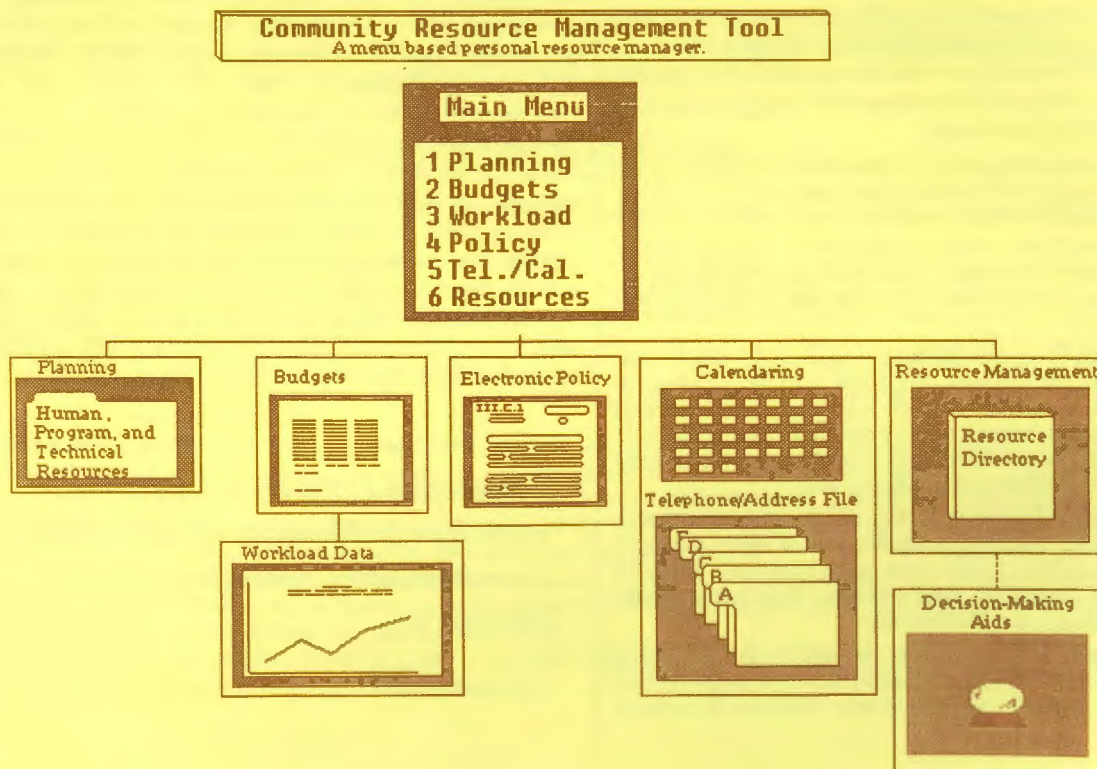
The introduction of these tools and technology merged with a careful identification of our needs will go a long way toward revitalizing local service delivery.

"Our experience has convinced us that the hardware and software solutions to our immediate problems are already available in the marketplace, waiting for us to step forward."§

Regional Administrator



Branch and Program Managers



Professional Office Management System

A menu based office management system using microcomputers.

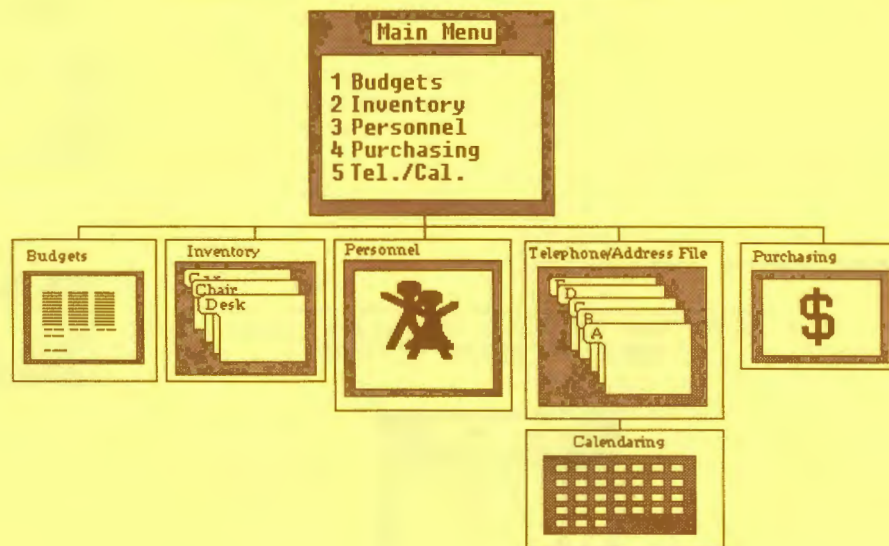
Clerical Staff



Business Management System

A menu based person office management tool.

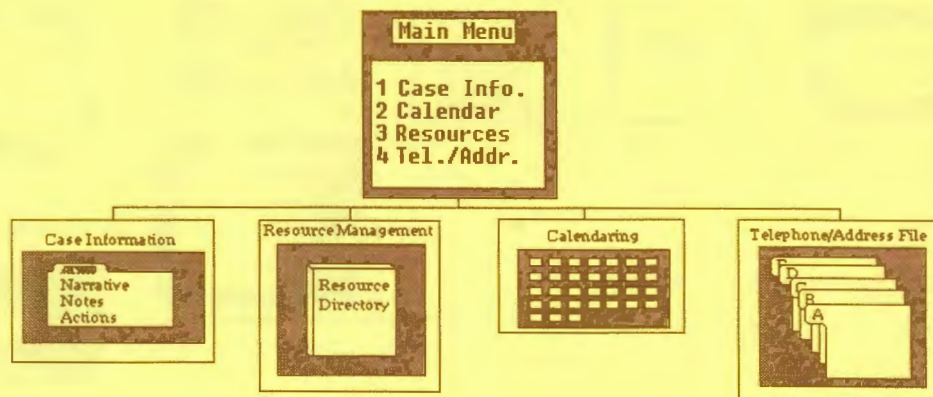
Office Managers



Personal Event Management System

A menu based event manager using microcomputers.

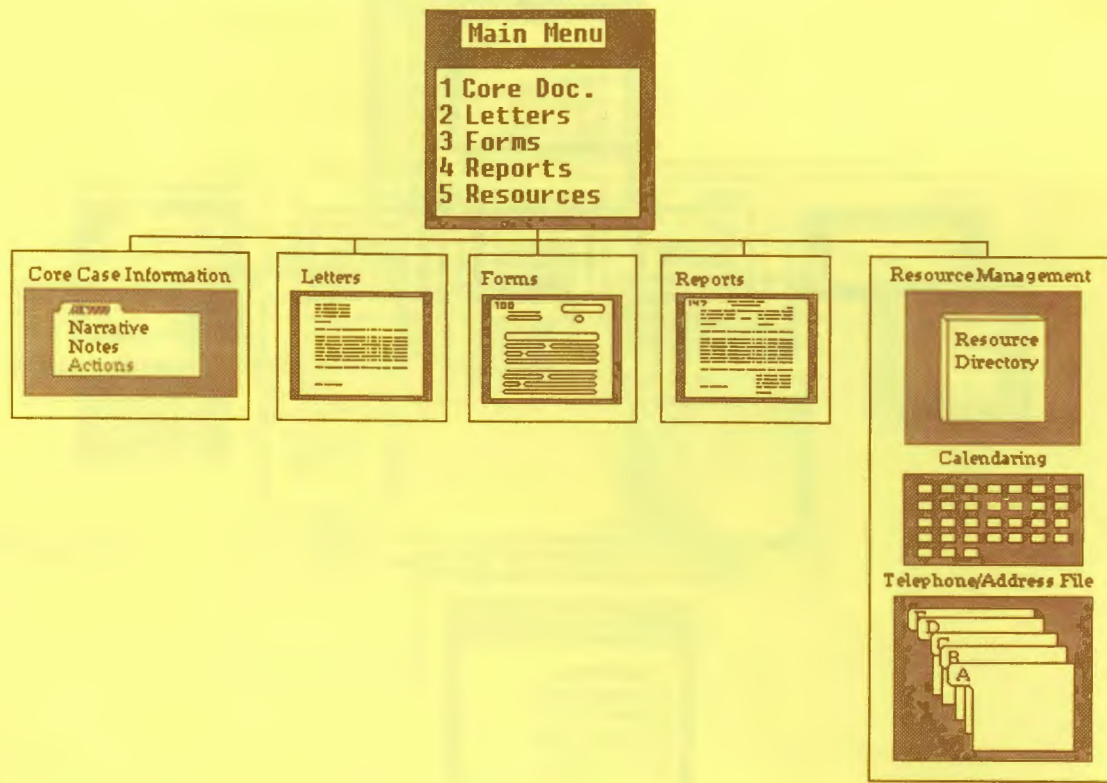
Human Resource Aides



Social Service Workers

Personal Casework Management Tool

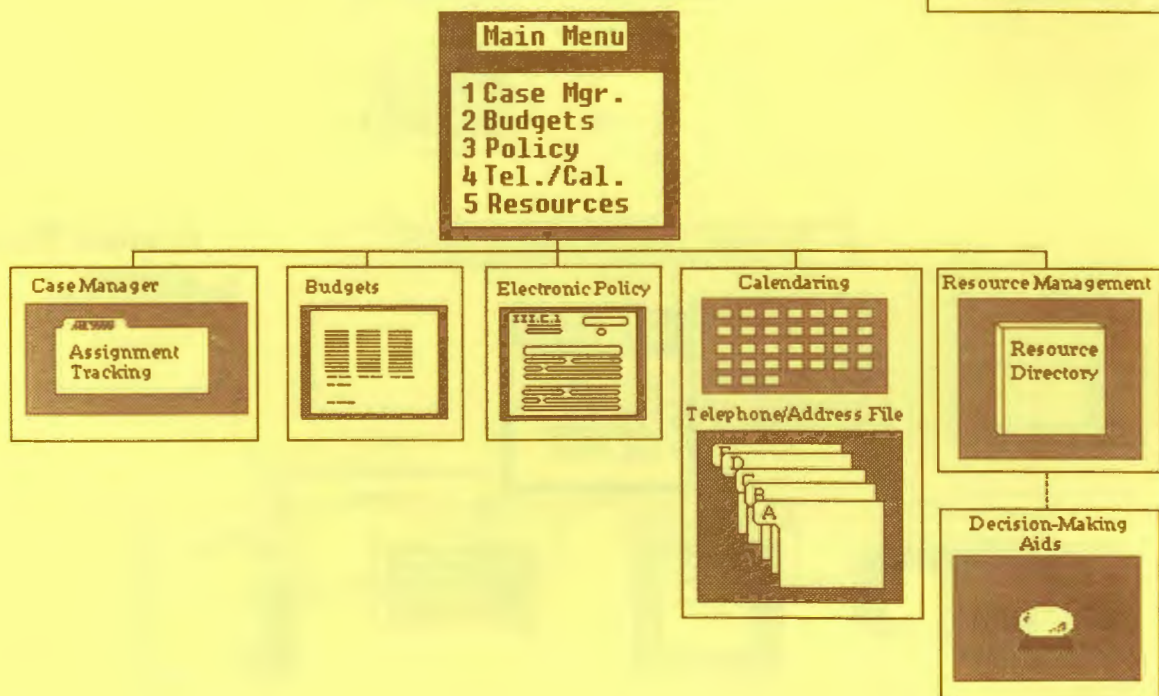
A menu based personal paperwork system using portable micro computers.



Social Work Supervisors

Staff and Resource Management Tool

A menu based personal resource manager.



Interview with John Earls

Deputy Director, The Queensland Spastic Welfare League, Wxlade Drive, New Farm Brisbane, Australia

CUSSN: How would you describe your position.

J.E.: I see myself, I suppose, as having two hats: as an administrator in the organization and as someone with a personal interest in computing in its widest sense possible.

CUSSN: First, tell me how you got started combining the two fields of human services and computers.

J.E.: I moved from a consulting firm to a human service organization which needed to improve its systems. Building on my previous experience, we used computerbase systems on other people's equipment to establish all sorts of things to improve the administrative aspects of the organization. It was then apparent to me that there were quite a number of people, adolescents and adults, in the organization who would find computing a challenging and interesting activity. So I started to push for their involvement and exposure and information to and about computing.

CUSSN: So you started off with basic accountability type of things. Where's your agency at now in regard to computing?

J.E.: I would say that we're reasonably efficient users of computing devices across the spectrum from finance and fund raising to service delivery by a direct clinician--let's say in the therapy program--and to use by disabled people themselves for a number of activities of their choice.

"We're not trying to encourage disabled people or force them into being programmers or things like that. We're trying to get them involved in computing so that they can make decisions."

I think the difference between us and similar organizations is that we are probably more sophisticated in the use of computing by clinicians, who are program coordinators and managers, to ensure that programs are better qualitatively and more effective in terms of the resources which they control.

CUSS: So, what incentive do your therapists and your line workers have to use the computers?

J.E.: Well, I think the main incentive is personally based in the computer education process which we have for staff. Once they've acquired some knowledge they see that the organization has created systems which are an easier way for them to do the things they were doing manually. Now that does not apply to everyone. Again, that's a personal choice. I think it's a dual approach between education and trial, as well as being prepared to improve the system. Many of our program delivery systems, now, are developed because of requests from professionals and users.

I can cite an example. We're currently developing what we call an equipment loan register. The purpose of that is

because the therapist as a professional is concerned not about the financial value of the piece of equipment belonging to the organization and it's being lost, but about supplying consumers of the organization with an inappropriate piece of equipment which should have been changed or modified or withdrawn or reallocated to somebody with a greater need. Now, the emphasis for that is coming from a person who is originally using the data base which contains information about the client and she's trying to say to the organization, "Ok, here is another way which you should be doing something to help me to help consumers."

CUSSN: So where do you think your organization is going. What kinds of new computer applications will you have five to ten years from now?

J.E.: I would hope that we would be significantly into expert systems, what ever that might be or how ever it might be defined.

"What we are trying to do is to use technology to make our knowledge available to agencies who are distributed within the community rather than to attract agencies to come to us as the unique diagnostic group."

Now, part of making that possible involves assuring the broadly based general practitioner in the community--be they medical social work, therapy, or whatever--that they have a comfortable way of accessing the knowledge which we have acquired so that their immediate reaction on meeting a cerebral palsy person isn't to say "I will refer you to a specialized diagnostic agency." Rather, that they say to themselves: "here is an interesting opportunity for me to acquire more knowledge and improve my skills with no diminution in the program which I can offer this person." Such systems are obviously going to be very simple at first, because they are difficult to develop, hardware and software intensive, and expensive. But in 5 years, hopefully, as better off-the-shelf tools become available and people share knowledge,

"we will have fewer disabled people who physically have to come to our organization but they can access, via computer, the knowledge that our organization has available."

CUSSN: It looks like you're an agency with specialized expertise which is talking about capturing a lot of specialized expertise in software and giving that away to agencies and consumers.

"What happens to professionals whose expertise is automated and given away."

How do you see that working in terms of agency/professional territory and rivalry? Will that cause any problems down the road?

J.E.: If you let it be a problem, yes, I am sure it would be. I think that we as an organization can identify more problems to solve than we've got time to solve them. I think in the long run, you'll attract better and more interested people if you are an innovative problem solving agency. And, I think that would be true of the staff that we attract. We have more and more people who come to our environment because they see personal and professional opportunities to expand. They are not going to make more money. They are not going to have an easier job. But, they are going to have an interesting and challenging experience.

We're getting the same number of kids referred to us but they have more severe and multiple handicaps. Providing services to those people stretches the resources that we have available. Making more use of technology presents challenges which will last as far as I can see. So again, our agency is focusing on not having people permanently in our programs.

We are identifying two key areas where we believe we should see probably as many clients as possible. The first stage is at the stage of diagnosis. We believe that we are diagnostic experts and we have the neurophysicians, pediatricians, and orthopedists coming to our organization and using it as a meeting ground and a sharing of information. Professionals in the community know that happens, so diagnostically difficult kids are referred to our organization. It means that we are focusing our expertise where it is truly needed and not necessarily in providing ongoing programs to persons once they have been diagnosed and once a basic program has been established. We are focusing secondly on the immediate post school where the person with a disability must be making more of the decisions which their parents made on their behalf at the early diagnostic stage. We are encouraging people to see us as two key focal points in their life; early diagnosis and what are you going to do after school? Now again, we don't want to bring people permanently into post school programs. We have exactly that same sort of approach, a good re-evaluation, updating of the diagnosis, sitting down and talking with people about their goals and how we can help them, but always with the ultimate object being out into the community.

Now, computing is fairly important because things like bulletin boards allow not only professionals to exchange information, but allow people who make friendships in our programs to maintain those friendships without the problems of travel, expense, distance, and poor communication resulting from disabilities (if they can't write or use the telephone).

CUSS: What do you see Australian in comparison to England, the U.S. and Canada in terms of innovative computer uses.

J.E.: I would say that they are very similar in terms of the technology which is available. The differences involve individual professionals within an agency. I don't think agencies necessarily make the decisions. I think individuals within agencies take up the challenge to say, "Here's the new

way of perhaps improving our programs and perhaps improving their professional competence.

CUSS: As you have traveled, what computer related projects were you most impressed with?

J.E.: Well, I suppose the answers to that might seem a bit odd. I think the thing that we're all limited by is resources, so I think I am more interested in people who are making fairly good sensible use of their resources rather than by some things that are usually technologically innovated. Now one of the things, for instance, that I thought was very sound and sensible strategy was the adult education programs mounted by the Department of Adult Education at the University of Nottingham where they are saying, "We're good at education, and we have some knowledge about computing but we know nothing about toileting, or feeding programs for disabled people or care sorts of things. So how can we, in a most effective way, use our experience?"

What they're doing is targeting people who are educationally disadvantaged. They are not setting up brick and mortar and building a new thing. They would, for instance, go to a day center run by a local authority and say, "We've got some knowledge about education and we've got good educational deliverers. We know how to use computing for that sort of thing. We will come in and run a program for the people at your center three or four days a week, for four hours. We'll employ the tutor, we'll pay for that sort of thing, but you transport them there and look after their personal needs, all those sorts of things. What we want to avoid happening is people rushing out to start an educational program by making some big monumental edifice to house disabled people."

Other programs which impressed me are:

- Your own program at Arlington where I see two important factors interrelated, the use of "service professional refined" advisory software and the electronic bulletin board for agencies and consumers.
- The UCP project at Oakland, where severely disabled people are selling a quality CAD/CAM service.
- The UCLA/LAUSD early intervention program where the "conventional" service team extends to not only an analyst/programmer but also a graphics designer. This has developed software used by severely disabled kids under the age of two years. Apart from the assessment benefits, progress encourages parents practically and emotionally and leads to an integration situation where the child is viewed by his peers as "this kid who uses a computer" not as "this kid who is disabled".

CUSSN:

"What you're saying is that we've gone through the industrial revolution where we built institutions, so now during the information revolution we'll need to creatively build information structures, like networks, and use them as an underlined tool in our present structures."

J.E.: Yes, where people use computing to deliver their own professional skills and expertise. I don't see that they then have to go out and build another facility. Because again, change is so rapid that it's a complete waste of innovative effort, and money, and resources.

Another thing that is important for us to do is share information more quickly. The question of doing something and then writing it up and things like that I see as always being appropriate, but there has to be better ways in which people can very quickly access information and profit from others who are willing to share their mistakes. I emphasize mistakes because people tend to be uncomfortable about admitting their mistakes.

CUSSN: What areas would you see need additional research and development. Where do you see money best placed in the service delivery system?

J.E.: Well, I think that involving the consumers, administrators, and professionals to see that computing involves shared equality. It is not an area for one person who's superior to or inferior to another. There's still lots of barriers not only to break down but which we must avoid being built where people take computing on an ego trip.

CUSSN: So you focus on changing key people in the system rather than developing new devices or new technologies. You're seeing that system change itself is key.

J.E.: I do. I think we need to be looking for the development of benevolent integration models.

CUSSN: Have you found any models that fit our problem now with the computers and human services?

J.E.: Not that I know of.

CUSSN: What do you see as the major issues people involving computers, service delivery, and persons with disabilities?

J.E.: I think the main problem is going to be that administrators and program managers don't themselves make a commitment. They're prepared to give some verbal recognition which they don't back up. They've got to make the commitment. Those people have got to become practitioners as well as verbal agreeers. And that's fairly difficult because I think that it requires them to make themselves vulnerable which they don't particularly want to do.

In the long run I see it as terribly, terribly critical, because

"I have never yet been involved in the development of a system which before its operation didn't require modification or change."

Many of those modifications or changes require both a reallocation of resources and an increase in resources. Now unless administrators are committed, they're not going to be supportive of that sort of change. So they will tend to say, "computing is a good thing yet don't bother me, just go away

and do it." And, when you go away and do it and come back and say, "Well, I've done it and I've had these hassles, will you give me other five thousands bucks?". They'll say, "Well, I did say I agreed with it but, you know, it's obviously too much of a problem." They must know, the practical problems we have. For example, it is easy to build a simple database structure with a limited number of fields for the middle manager. But, the clinical user who is educated, informed and interested starts to say, "I'd like some additional fields added." Now unless you went initially for a database which is sufficiently sophisticated to allow you to do that, you can't do it. So you'll have to be prepared to spend a bit more at the beginning. So you're going back to the administrator or the person making the decision and asking for more investment. But, if that person doesn't have an understanding, he is going to give you very negative advise. If you get negative advise then you tend to say "I'm going to work for another organization." So in our organization, I try and see that my role is to open up those information flow gates so that people can get a bit more money if they produce a reasonably good story. They know they have someone at my level with at least has some understanding and empathy with their problem.\$

USAFA/Hands Across America

CONTACT: USAFA/Hands Across America, Joyce Deep, 6151 W. Century Blvd., #1200, Los Angeles, CA 90045 (213) 670-2700.

CUPERTINO, California October 27, 1987 The availability and quality of services to hungry and homeless people in California will be substantially improved by a program announced today by USA for Africa/Hands Across America and Apple Computer, Inc.

"For the first time ever, 50 organizations for the hungry and homeless will be electronically linked through a computer network"

made possible by a donation of personal computer systems from Apple Computer.

HandsNet is supported with a donation of personal computer systems, printers and telephone modems from Apple, valued at \$250,000, and a \$140,000 grant to the California Organizing Committee for the Hungry and Homeless by Hands Across America in its efforts to eliminate hunger and homelessness. The creation of the network marks Apple's largest single telecommunications grant to date.

Specific examples of how HandsNet can assist public and private efforts to develop long term solutions to the problems of homelessness and hunger include the following:

- Providing information on available surplus food allowing foodbank operators to coordinate trucking for efficient pickup and distribution.
- Sharing information on program operations, methods and procedures, which will be of particular benefit to new homeless programs that can take part in online conferencing with experienced program operators.
- Collecting and disseminating previously unavailable demographic and statistical information from the field.

- Centralizing county data so that agencies can make better use of census figures, local poverty statistics and cost of living indices in assisting hungry and homeless people in finding jobs and permanent housing.
- Posting information on model programs; current news; federal, state and local legislation, programs and available funding; and electronically exchanging personal correspondence, presentation graphics and membership newsletters. §

Computer Virus Attacks

Source: Fidonews, FidoNews 4-47, 21 Dec 1987, Page 25. Origin = Jerry Hindle, 123/6 (aka 1/300), SoftWare Coordinator, (901) 353-4563 9600bps HST. Last week, some of our student consultants discovered a virus program that's been spreading rapidly throughout Lehigh University. I thought I'd take a few minutes and warn as many of you as possible about this program since it has the chance of spreading much farther than just our University. We have no idea where the virus started, but some users have told me that other universities have recently had similar problems.

The virus: The virus itself is contained in the stack space of COMMAND.COM. When a pc is booted from an infected disk, all a user need do to spread the virus is to access another disk via TYPE, COPY, DIR, etc. If the other disk contains COMMAND.COM, the virus code is copied to the other disk. Then, a counter is incremented on the parent.

When this counter reaches a value of 4, any and every disk in the PC is erased thoroughly. The boot tracks are nulled, as are the FAT tables, etc. All Norton's horses couldn't put it back together again... This affects both floppy and hard disks. Meanwhile, the four children that were created go on to tell four friends, and then they tell four friends, and so on, and so on.

Detection: While this virus appears to be very well written, the author did leave behind a couple footprints. First, the write date of the command.com changes. Second, if there's a write protect tab on an uninfected disk, you will get a WRITE PROTECT ERROR...

So, boot up from a suspected virus'd disk and access a write protected disk - if an error comes up, then you're sure. Note that the length of command.com does not get altered.

I urge anyone who comes in contact with publicly accessible disks to periodically check their own disks.

Also, exercise safe computing — always wear a write protect tab.

This is not a joke. A large percentage of our public site disks has been infected by this virus in the last couple of days.

BEWARE - I SPEAK FROM EXPERIENCE...NOT EVEN MACE CAN RECOVER THIS ONE. HE WENT AFTER ALL THE MACE FILES AS WELL. THEY ARE COMPLETELY OVERWRITTEN MAKING THEM USELESS FOR RECOVERY PURPOSES. §

**Edit an issue
of the CUSSN Newsletter
On a topic of your choice.
For details, Contact Dick Schoech**

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Network Activities

Human Information Sharing System

Following the final discussion session of HUSITA 87 a number of interested parties gathered to discuss how the existing CUSSnet system could be sustained and developed to produce a more extensive human information sharing system. One of the primary ideas that evolved from the morning discussion was that information should be frontier free and professionally independent. We therefore suggest that the data dissemination medium be a concept based topology.

Proposals for a Human Information Sharing System.

- It should be a concept based contact topology database.
- Automated interfaces between existing academic and free access systems should be developed. Exploratory work is to be carried out by Syngen Brown (Bitnet: syngen% uk;ac.lon.rfhsm.ux@UKARL) and Claude Warren (Fido 104/51)
- Acquisition of resources and equipment for use in underdeveloped areas.
- Development of a program to allow users to interrogate the contact database.

Please disseminate this proposal as widely as possible by any media. Contacts and comments to Claude Warren (Fido 104/51), Graham Wright (Fido 510/64), Marko Mazeland (Fido 508/14) or write to: Thomas Hanna, Cornell University, E- 200 Martha Van Rensselaer Hall, Ithaca, NY 14853-4401, USA.

E Mail Addresses of CUSS Network Members

- **Rami Benbenishty**, School of Social Work, Hebrew U., Jerusalem, Bitnet EALAEHUJIPRMB
- **Syngen Brown**, Dept of Psychiatry, Royal Free Hospital, Pond St., Hampstead, London NW3 2Q9, UK.AC.LON.RFHSM.UX
- **Betsy Cordingley**, Dept Soc, Guildford GU2 5XH, UK Janet: Cordingley@UK.AC.SURREY.SYSE
- **Ram Cnaan**, School of Social Work, U. of PA, 3701 Locust Walk/6214, Philadelphia, PA 19104 Bitnet: Cnaan@penndrln
- **David Dodell**, D.M.D. St. Joseph's Hospital and Medical Center N. 92nd Street, Suite 210, Scottsdale, Arizona 85258 Bitnet: ARDSD@ASUACAD
- **Wallace Gingerich**, 2524 Blueberry Lane, Ann Arbor, MI 48103, USA Internet: Wallace_gingerich@um.cc.umich.edu
- **Brian Glastonbury**, U. of Southampton, Dept. of Social Work Studies, UK, ssi0/12@ibm.soton.ac.uk
- **Tom Hanna**, Cornell U. Ithaca, NY 14853, Bitnet: zcvy@CornellC
- **Steve Holmes**, Department of Computing Child abuse, Plymouth Polytechnic, Plymouth PL4 8AA, UK, Janet: po8430/@UK.AC.PLYM.B

- **Walter Hudson**, School of Social Work, AZ St U, Tempe, AZ 85287 Bitnet: AIWWH@ASUACAD
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- **Vera Mehta**, IASSW, Vienna, Austria mehta@tuvie.uucp
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- **Elizabeth Mutschler**, U. of Michigan, School of Social Work, Ann Arbor, MI, Bitnet: Elizabeth_Mutschler@um.cc.umich.edu
- **Tom Neudecker**, Asst. Vice Pres. for Academic Affairs, Carnegie Mellon U., Bitnet: TN07@te.cc.cmu.edu
- **Richard Reinoehl & Linda Iroff**, Human Development Consortium Uptown Village, # 24, Ithaca, NY 14850 Bitnet: ELFJ@CRNLVAX5
- **Dick Schoech**, Assoc. Prof, U. of Texas at Arlington, Graduate School of Social Work, Bitnet: B947djs@utarlvml
- **John Schuerman**, U. of Chicago. School of Social Service Administration, sl.scabel@chip.uchicago.edu
- **Stuart Toole**, Birmingham Polytechnic S_TOOLE@VAX.ACS.OPEN.AC.UK

HUSITA Conference: Expert System Special Interest Group, Participant List.

- **Karl-Erick Anderson**, Uommundata, Angsvagen 4, 1258hALVSJO, Sweden, INTEREST: Decision support for politicians.
- **Rami Benbenishty**, Hebrew U., Jerusalem, Bitnet EALAEHUJIPRMB, INTEREST: Residential Treatment Monitoring
- **Chris Cheattle**, 28 Park Road, Leigh-on-Sea, Essex SS9 2PE, UK
- **Betsy Cordingley**, Hut 10 Alvey DHSS Demonstrator Project, Department of Sociology, Guildford GU2 5XH, England (Janet: Cordingley@UK.AC.SURREY.SYSE)
- **John D. Fluke**, American Association for Protecting Children, American Humane Assn., 9725 E. Hampden Ave., Denver, CO 80231 USA, INTEREST: Child Welfare, Admin/Policy
- **Wallace Gingerich**, 2524 Blueberry Lane, Ann Arbor, MI 48103, USA, Wallace_gingerich@um.cc.umich.edu, INTEREST: Case Monitoring & Assessment
- **Steve Holmes**, Department of Computing, Plymouth Polytechnic, Plymouth PL4 8AA, UK Janet: P08430@UK.AC.PLYM.B, INTEREST: Child abuse
- **Walter W. Hudson**, School of Social Work, Arizona State Univ., Tempe, AZ 85287, USA, INTEREST: Child Welfare
- **Stephen Ice**, US Office of Human, Development Services, MS 411, 2901 Third Ave., Seattle, WA 98121, USA

- **Antonio M. Lopez, Jr.**, Dept. Mathematical Sciences, Loyola University, Box 51, New Orleans, LA USA 70118, INTEREST: Prolog V, R&D in Robotics & E.S.
- **Elizabeth Meutschler**, Professor, U. of Michigan, 1065 Frieze Bldg., Ann Arbor, MI 48109
- **Ross McClelland**, School of Social Work, Univ. of British Columbia, 6201 Cecil Green Rd., Vancouver BC CANADA, V6T 1W5
- **Edward Mullen**, Associate Dean, Columbia University, School of Social Work, 622 W. 113th St., New York, NY 10025
- **Paula Nurius**, School of Social Work, JH30, University of Washington, Seattle, WA 98195, USA, INTEREST: Spouse Abuse and reasoning, decision making etc. fundamental cognitive/inference processes.
- **Greg O'Beirne**, Fourtech, Inc., 2314 Via Camino Ave., Carmichael, CA 95608-4664, INTEREST: Child Welfare, Workload Management
- **Dick Schoech**, Assoc. Prof, U. of Texas at Arlington, Graduate School of Social Work, POB 19129, Arlington, TX 76019-0129, Bitnet: B947djs@utarlvm1, INTEREST: Child Welfare, knowledge engineering
- **John Schuerman**, University of Chicago, 969 E. 60th, Chicago, IL 60637 USA, INTEREST: Child Welfare, General application of E. S.
- **R. A. Simpson**, Computing Dept., Birmingham Polytechnic, Perry Barr, Birmingham, UK, B42 2SU, INTEREST: Software Engineering techniques for IKBS development
- **Stuart Toole**, Birmingham Polytechnic, Dept SASS, Perry Barr, Birmingham B42 2SU, UK
- **Vicky Weavers**, Social Work Dept., Warley hospital, Warley, Brentwood, Essex, England
- **Mike Winford**, Dept. of Computing, Birmingham Polytechnic, Perry Barr, Birmingham, B42 2SU, UK, INTEREST: IKBS development, Child Placement, Child Abuse

Health and Mental Health From Mickie Blocker, Director, Middletown Halfway House, 1008 Morton, Richmond, TX 77469.

There was an interesting application of technology at the Texas Corrections Conference in Galveston. It was an electronic monitoring device. The parolee or probationer wears a plastic device around his/her ankle and the device transmits a signal to a "black box" in their home. The box is plugged into the phone and relays the signal to a Panasonic PC at the probation office, which prints out and beeps when one of the probationers leaves their home. The Texas legislature just passed a bill approving the use of such a device in Texas.

Moving from Gene Carnicom, 1452 Bertha Lane, Wasilla, Alaska.

I am moving to Montana in January 88 and will be working on the Ft. Peck Indian Reservation, still with the Indian Health Service. My computer bulletin board will be relocated there. The number will be listed on Steve Ice's board (see CUSSnet node listing, inside front cover).

Grassroots Computing, P.O. Box 460, Berkeley, CA 94701 (415) 644-1855.

Grassroots Computing is an independent mail-order computer store for visually impaired people. Like a regular store, we offer a selection of competing products, allowing you to choose what will work best for you. Then we add our special services--braille marking the keyboard and cables, professionally prepared taped tutorials, telephone support by a blind computer expert with teaching experience; printer and other cables included free, a list of appropriate books available from Recording for the Blind, and many others

Experimental Teaching Exercises from Jerry Finn, PhD, The U. of North Carolina at Greensboro, Dept. of Social Work, 451 Graham Building, Greensboro, NC 27412

I teach a course for undergraduates in Information Technology and Human Services. I have developed a series of experiential exercises for this course which include: developing a database project using PC file III to solve an agency information need, keeping a personal budget on a spreadsheet, using electronic mail to coordinate case management (of a simulated case) by three different agencies, shopping in the community for a computer system, developing an agency information sheet or brochure with word-processing software, and being asked to fill out a very personal data sheet as a course "requirement" (to discuss confidentiality issues).

Finally, I am applying for funding to develop a database system for managing information and resource files used by adult protective service workers in elder abuse cases.

Disabled Specialist Group 13 Mansfield St., London W1M 0BP. 01-637-0471.

The British Computer Society Disabled Specialist Group provides information on electronic aids for the disabled, employment opportunities in computing, training facilities for the disabled, and assistance to employers of the disabled.

Practice Management Software from Jeffrey J. Tamms, Senior Consultant, Computer People Unlimited, Inc., 744 N. 4th St., Milwaukee, WI 53203

We are assisting a Wisconsin social service agency in reviewing practice management software available in both the public and private sectors. Our current focus is on revenue and we are looking at "Client Fee" and "Accounts Receivable" functions. The agency counsels more than 15,000 cases a year from more than 15 different geographical locations.

Caseload Recording Needs from Peter Burnett, 12491 99 Ave., Surrey, B.C., Canada V3V 2P4

I have just purchased an Atari 520. I am a social worker (15 years) with a generalist caseload--child protection with the government. Recording is apparently the "pain" of all social work and it is my hope to use a word processor to facilitate this deadly task. I have First Word Plus, but have not begun to use it. We have general outliner for filing, i.e., family service (opening, updating, & closing), child in care (cpc).

I would be very interested in what other workers are doing along this line. We have only just begun to use computers for work (privately and home mostly) and are already coming into resistance over confidentiality--some one might tap into our computer. I would really enjoy hearing how computers are currently being put to use by individual workers. Our ministry uses computers for income assistance files, but even there we're only just getting printers.

Applied Innovations loses a round from AI, Inc. South Kingstown Office Park, Wakefield, RI 02879 (401) 789-5081.

On October 9, 1987, Judge Donald D. Slop, Chief U.S. District Court Judge, District of Minnesota, rendered his decision on the MMPI Scoring Software suit instituted by the U. of Minnesota and National Computer Systems against Applied Innovations.

The decision was extremely unfavorable to Applied Innovations. The judge ruled that the MMPI Scoring program sold by Applied Innovations infringed, in part, valid copyrights owned by the U. of Minnesota. He ruled that Applied Innovations should be enjoined from selling or distributing the MMPI Scoring program. The case is presently on appeal.

Miscellaneous Information

Several companies seem to have vanished. **Psych Systems** of Baltimore Md. and **Human Edge Software Corp.** of California (the developer of Mind Prober) seem to have vanished. Jim Johnson, the President of Human Edge Software is marketing a new newsletter called **Psychology Insider**. It is available for \$78 a year from Psychology Insider, 66 Bovet Rd., Suite 325, San Mateo, CA 94402 (415) 573-9001.

The Public Interest Computer Association (PICA) in Washington, DC., is recovering from a fire in the computer room. They may be a good group to contact about disaster recovery planning. They can be contacted at Blake Building, Suite 1015, 1025 Connecticut Ave. NW, Washington, DC. (202) 775-1588.

Resources and Materials

Electronic Information Resources

Software Database being Developed

A database of software in rehabilitation is being developed by Dave Whipp, West Virginia Research & Training Center, One Dunbar Plaza, Suite E, Dunbar, WV 25064-3098 (304) 766-7138.

Mutual Aid—Self-Help section on CompuServe

CompuServe has a special section on the Issues Forum where you can share news and participate in discussion. If you are a CompuServe subscriber, you type "Go Issues" in order to get to the Issues Forum. Once there, type "SS #12" to read the messages on the "Mutual Aid Self-Help Section," section #12. For more information contact Ed Madara, New Jersey Self-Help Clearinghouse, St. Clares-Riverside Medical Center, Pocono Rd., Denville, NJ 07834.

HHS/Office of Human Development Services, Office of Program development BBS.

This free RBBS based BBS contains federal information, messages as well as freeware and shareware. Call (202) 755-1642 anytime using 8 data bits, no parity and 300-1200 baud.

National Clearinghouse on Technology and Aging

A \$50/yr. membership provides for the sharing of clearinghouse information, the bi-annual Bulletin, the Sensory Technology Information Service Database, and discounts to the International Journal of Technology and Aging.

Aging Electronic Bulletin Board

Baltimore County has developed a 24 hour BBS. For information, contact Ellen Yerman, Dept. of Aging, 611 Central Ave., Towson, MD 21204.

Health Related BBSs

A current list of health related BBSs is available from Biomedical Information Corp., Computer News for Physicians, Attn. : Sue Frish, 800 Second Ave., New York, N.Y. 10017.

Head Start Bulletin: National Resource Exchange

The National Headstart Materials Center maintains a database for clearinghouse inquiries on headstart or other early childhood education training and technical assistance subjects. The center is seeking information on training events, articles of interest, ideas or theme topics for future issues and resources. The Headstart Bulletin is published six times a year by the Headstart Resource and Training Center, University of Maryland, 4321 Hartwick Road, College Park Maryland, 20740 Tel. (301) 454-5786

Tech-Tapes

Taped informational messages on technology are available for Special Educators, Parents, and handicapped individuals. Call 1-800-345-TECH (In Virginia 1-703-860-0710) or contact the Center for Special Education Technology, CEC, 1920 Association Dr., Reston, VA 22091.

Technology Hotline for the Blind

The American Foundation for the Blind operates a new hotline that answers questions about products, services, technology and general information about blindness. Call 1-800-AFBLIND.

Newsletters, Magazines, Journals

RTA On Line is a newsletter of Rehabilitation Technology Associates. It comes with membership dues of \$25. Write Betty Jo Tyler, TRA Membership, West Virginia Research & Training Center, One Dunbar Plaza, Suite E., Dunbar, WV 25064.

UPDATE on Human Services Computer Applications, is available from The Center for Computer Applications in the Human Services, 910 Florin Rd., Suite 110, Sacramento, CA 95831.

The Compu-Tech Connection is a newsletter from Research and Training Center, Stout Vocational Rehabilitation Institute, School of Education and Human Services, U. of Wisconsin-Stout, Menomonie, WI 54751. It seems to focus on software for the Rehab field.

HCI Monitor is a new journal to track the Human-Computer Interaction field. It is available from Ergosyst Associates, Inc., First National Tower, Sixth Floor, 910 Massachusetts St., Lawrence, KS 66044 for \$55/yr.

International Journal of Technology and Aging, \$22/yr. from Human Sciences Press, 72 Fifth Ave., New York, NY 10011.

Computers in Accounting is a magazine from Warren, Gorham & Lamont, Inc., 210 South Street, Boston, MA 02111. 8 issues per year for \$48.

CPSR Newsletter is from Computer Professionals for Social Responsibility, a public interest organization of people in the computing field. For details, contact CPSR, P.O. Box 717, Palo Alto, CA 94301, (415) 322-3778.

International Journal of Approximate Reasoning contains articles on the use of approximate reasoning techniques in intelligent systems. Available for \$95 from Elsevier Science Publishing Co., POB 1663, Grand Central Station, NY, NY 10163. (Quarterly)

Books and Reports

Research in Mental Health Computer Applications: Directions for the Future, by J.H. Griest, J.A. Carroll, H.P. Erdman, M.H. Klein, and C.R. Wurster (Eds). National Institute of Mental Health, Series DN No. 8. DHHS Pub. No. (ADM) 87- 1468, Washington, D.C., Supt. of Docs., U.S. Govt. Printing Office, 1987.

Donor Management Software Review reviews how to evaluate individual features of donor management software. It includes an evaluation of 9 popular packages and a listing of many others. \$25 from Technology Learning Center, 2820 Swiss Ave., Dallas, TX, 75204 (214) 826-3470.

Psychware Sourcebook, 1987/88 is a reference guide to computer-based products for assessment in Psychology, Education and Business. It is available from Test Corporation of America, 4050 Pennsylvania, Suite 310, Kansas City, MO 64111 (816) 756-1490 for \$39.

Special Ed Resources Guide is the most comprehensive collection of Apple-related special ed resources in seven areas of functional impairment: physical, hearing, vision, speech, cognitive, behavior and deaf-blindness. Contact DLM, One DLM Park, Allen, TX 75002 (214) 248-6300.

Computers in the Human Services: A Selected Bibliography and Reference is available from The Brookdate Institute on Aging and Adult Human Development, 622 West 113th St, Rm 803, New York, NY 10025 for \$4.

Annual Clinical Software Guide for the Human Services reviews 26 clinical microcomputer software programs on cognitive rehab, diagnosis and assessment, physical and mental health screening, and job skill and interest matching. It is available from The Brookdate Institute on Aging 622 West 113th St, Rm 803, New York, NY 10025 for \$9.95.

Computers and Their Applications in Nursing a book by Bill Koch and Jim Rankin, July 87, from Harper & Row.

Product Evaluations. Two product evaluations are now available from the National Technology Center, American Foundation for the Blind. Copies of the evaluations on screen-access programs for IBM and compatible computers, and on braille printers priced under \$5,500 can be requested free of charge from the National Technology Center, AFB, 15 West 16th Street, New York, NY 10011. Indicate which evaluation you wish and whether you would like it in large- print or braille.

Personal Computers and Special Needs explains how computers can improve the quality of life for those with mobility, hearing or vision impairments. Includes a buyer's guide. \$9.95 plus \$.70 shipping from Accent Special Publications, Box 700, Bloomington, IL 61720.

The following books are available from College-Hill Press/Little, Brown & Co., 200 West St., Waltham, MA 02254-9931.

Electronic Communication Aids, Selection and Use
Communication, control, and computer access for disabled and elderly individuals

Resource Book 1: Communication Aids

Resource Book 2: Switches and Environmental Controls

Resource Book 3: Software and Hardware

Aphasia treatment and Microcomputers

An Introduction to Microcomputers in Speech, Language and Hearing Disorders

Communication Augmentation: A Casebook of Clinical Management

Contents of Recent Publications

Journal: Computers in Psychology/Psychiatry

Issue: Fall 1986, Vol. 8, No. 3,

Source: Address: 26 Trumbull St., New Haven, Conn. 96511

Contents:

"Network: Using the Ordinary Telephone as a Computer Terminal in the Professional or Research Office," M. Schwartz, 1-7

"The Therapeutic Learning Program: A Computer Assisted Short Term Treatment Program," R. Gould, 7-13

"N.I.H. Supported Computer Research by Small Businesses Developing Mental Health Services," 13-19

"dbNOTES: Note Management Software for Psychiatry and Social Services," T. Droegge, 19-25

"Macintosh Computer Scoring of the Buschke Selective Reminding Memory Test," W. Hooker, and D. Thouvenin, 25-26

Journal: Computers in Psychiatry/Psychology

Issue: Winter 1986, Vol. 8, No. 4, Address: 26 Trumbull St., New Haven, Conn. 96511

Contents:

"Network: Thoughts about Expert Systems and Mental Health," J.H. Johnson, 1-4

"Stop Smoking Help On-Line," 4-7

"Establishing an Automated Psychological Testing System in a Private Practice," J.J. Novielli, 7-11

"Development of a Stand-Alone Microcomputer System for a Consultation/Liaison Psychiatry Service," J.S. Hammer et al., 15-18

"Communications Software Compared," 18-23

"Computerization in a Mental Health Center," R. Snyder, 23-24

Newsletter: Using Personal Computers in Nonprofit Agencies

Issue: volume 1, Number 15,

Source: Center for Local and Community Research, P.O. Box 5309 Elmwood Station Berkeley, Ca 94705

Contents:

"What's A Relational Database Management Program And Why

Would You Ever Want To Use One?," C.B. Grill, 1-2

"PARADOX: Relational Database Software," C.B. Grill, 2-4

JOURNAL: Social Science Microcomputer Review

Issue: Vol.5, No.1, Spring 1987,

Source: Duke University Press, Periodicals Department, 6697 College Station, Durham, N.C. 27708.

Contents:

"SAS/PC: An Overview With Demographic Applications," R.C. Rogers, 1-11

"The Role of Inductive Expert Systems Generators in the Social Science Research Process," G.D. Garson, 11-25

"Public-Domain and User-Supported Software for the IBM PC and Compatibles," T.N. Greenstein, 25-39

"Curriculum Considerations for Information Systems Programs in the Social Sciences," T.J. Bergin, 39-52

"History & Computer-Assisted Teaching: Simulations, Word Processing, & Course Authoring," J.E. Sargent, 52-62

"A Compromise Strategy for Casual Microcomputer Database Users in the Social Sciences," D.H. O'Neil, 62-64

"A Procedure to Establish Uniqueness in Order to Merge all Matching dBASE Records," J. Valenti and H.J. Spaeth, 64-66

"News and Notes," 66-86

"Software Reviews," 86-122

JOURNAL: Social Science Microcomputer Review

Issue: Vol.5, No.2, Summer 1987,

Source: Duke University Press, Periodicals Department, 6697 College Station, Durham, N.C. 27708.

Contents:

"Software for Negotiation Planning: Experience with a New Program," B.L. Lamb, 137-149

"Graphical Views of Nonlinear Regression," L.C. Hamilton, 149-163

"Knowledge Acquisition, Expert Systems, and Public-Management Decisions," R.F. Shangraw, Jr., 163-174

"WORDPERFECT 4.2 as a Bibliographical Database: A Tutorial," P.H. Boule, 174-196

"Organization of American Historians Workshop on Microcomputers in the Classroom," W.H.A. Williams, 196-198

"Retrieving Item-Specific Information from Social-Science Raw-Data Files," J.J. Card, 198-207

"THEGEN: A Computer Algorithm for Axiomatic Analysis," D.E. Muir, 207-210

"EQUALIZER: A Program to Solve Redistricting Problems," J.T. Parr, 210-213

"Converting Pascal Programs to the Macintosh," P.A. Schrod, 213-216

Software Review:

"Computerized Systems for Recording Kinship Data: A Review Essay," D.H. O'Neil, 233-239

"LABORATORY IN CLASSICAL CONDITIONING Version 3.3," D.E. Anderson, 239-241

"AND IF RE-ELECTED...," J. Forshee, 241-244

"MACRO*TRACK, Versions 2.0 and 2.1," W.P. Yohe, 244-249

"LIMDEP," C. Tolbert, 249-251

"FORECAST PLUS," N. Nazmi, 251-252

"FORECAST MASTER, Version 2.0," M.A. Pirog-Good, 252-253

"BIFS: BASICS IN FORECASTING," R.G. Rogers and G. Schmitz, 253-256

"CHIPENDALE, Version 1.0: A System for Sociological Table Building," G.D. Hill, 256-257

"CRISP: CRUNCH INTERACTIVE STATISTICAL PACKAGE, Version 3," R. Clarke, 257-260

"FAKAD," S. Bretschneider, 260-262

"THE IDEA GENERATOR," S.P. Littlefield, 262-263

"PRO-CITE 1.2," D. Weinstein, 263-265

"INSET 2: THE GRAPHICS AND TEXT INTEGRATOR, Release A," R. W. Slatta, 265-266

"BANK STREET SCHOOL FILER; U.S. DATABASES DISK; NORTH AMERICA DATABASE DISK," R. Peritz, 266-268

"PARADOX, Version 1.1," J.J. Treacy, 268-271

"ALL OF THE ABOVE," L.H. Douglas, 271-272

"TURBO PROLOG, Version 1.1," W.P. Yohe, 272-279

JOURNAL: Social Science Microcomputer Review

Issue: Vol.5, No.3, Fall 1987,

Source: Duke University Press, Periodicals Department, 6697 College Station, Durham, N.C. 27708.

Contents:

"Social Science and the New Generation of Microcomputer Hardware," M.A. Triebwasser, 289-304

"LOGLIN: A Microcomputer Log Linear Analysis Program," D.R. Ploch, 304-313

"Automating Social Science Examinations: An Application of Spreadsheets and Word Processing to Mathematically Oriented Questions," T. Palm, 313-325

"A Simplified Approach to Creating Software for Computer-Assisted Instruction," J.R. Alpers and D.H. O'Neil, 325-331

"Database Management with dBASE and Compilers: A Review and Tutorial," S.P. Littlefield, 331-341

"Requiring Computer and Information Systems Courses in MPA Curricula: A Report of Faculty Opinion," L.D. Kiel, 341-346

"C + I + G: AN INTRODUCTION TO MACRO-ECONOMIC MODELING," F. Vorhies, 346-347

"Analysis with P/G% in Public Policy," L. Faulk, 347-350

"Which Statistic?," O.Z. Robertson Jr., 350-354

Software Reviews:

"New Software for Psychologists and Social Scientists," M. Stoloff and S. Riley, 377-378

"ROOTS II," D.H. O'Neil, 378-383

"CLINICAL INTERVIEW: THE MENTAL HEALTH SERIES," J. Alpers, 383-386

"TEST PLUS," L.D. Hilgert, 386-388

"A MIND FOREVER VOYAGING," 388-89

"THE CONGRESSIONAL BILL SIMULATOR," S. Ricketts, 389-390

"AMERICAN HISTORY ACHIEVEMENT SERIES," J.M. Bowden, 390-392

"LAW," A.A. Koochang, 392-392

"STATISTIX," S. Yeager, 392-395

"STATPAC GOLD," Staff review, 395-399

"INSIGHT 2+," W.P. Yohe, 400-404

"EXPERT SYSTEM INFERENCE ENGINE (ESIE)," W.P. Yohe, 404-408

"INDIVIDUAL TRAINING FOR PROJECT MANAGEMENT," J.E. Swiss, 408-410

"SHOWCASE," Staff review, 410-411

"REFLEX, THE DATABASE MANAGER," T. Bergin and J. Boodro, 412-414

"R & R REPORT WRITER," S.P. Littlefield, 414-415

"SQZ," S.P. Littlefield, 415-416

"LOTUS FREELANCE PLUS and LOTUS FREELANCE MAPS," Staff review, 416-417

"LOTUS HAL," C. Zeugner, 417-418

"LOTUS MANUSCRIPT," W.T. Nichols, 418-420

"GOAL SOLUTIONS," D. Weinstein, 420-422

"RIGHTWRITER," C.R. Sanders, 422-424

Journal: *Computers and the Social Sciences*

Issue: Vol. 2, No. 3, July-September 1986.

Source: Paradigm Press, Inc., P.O. Box 1057, Osprey, Fla 33559-9990

Contents:

"Intellectual Assembly Lines: The Rationalization of Managerial, Professional, and Technical Work," J.A. Perrolle, 111-123

"The Electronic Bulletin Board: A Computer-Driven Mass Medium," S. Rafaeli, 123-137

"The Computer-Assisted Literature Review," E.E. Brent, Jr., 137-153

"Book Review," R.E. Mayer, 153-157

"Genealogical Software as a Tool in Social Science Research: A Review Essay," E.A. Edwards, 157-165

"Software Reviews," J.S. Lawrence, 165-178

Journal: *Computers and the Social Sciences*

Issue: Vol. 2, No. 4, October-December 1986.

Source: Paradigm Press, Inc., P.O. Box 1057, Osprey, Fla 33559-9990

Contents:

"Computing and the Political World," J.N. Danziger, 183-201

"Technological Determinism in Social Data Analysis," M.L. Levin, 201-209

"Acceptance of Computer-Based Models in Local Government: Information Adequacy and Implementation," S.H. Komsky, 209-221

"Book Reviews," 221-227

"Software Reviews," 227-239

Newsletter: *Micropsych Network*

Issue: Vol.2, Number 6.

Source: Professional Resource Exchange, Inc., P.O. Box 15560, Sarasota, Florida 34277-1560. (813) 366-7913.

Contents:

"AI vs. NCS: Important Litigation," K.L. Moreland, 115-118

"Review: SLIDE Version 2.0," T.F. Pettijohn, 118

"Clinical Software Review," L.C. Bernard, 119-120

"QUIZZER," E. Sadler, 121-122

"Review: Experiments in Psychology - A Microcomputer Laboratory," T.F. Pettijohn, 122-124

"REMARKS," J.A. Schinka and R.B. Smith, III, 124-128

Newsletter: *Micropsych Network*

Issue: Vol.3, Number 1.

Source: Professional Resource Exchange, Inc., P.O. Box 15560, Sarasota, Florida 34277-1560. (813) 366-7913.

Contents:

"Clinical Software Review," L.C. Bernard, 6-9

"Review of APA Manuscript Manager," B.G. Greer, 9-10

"Review of SYSTAT-3," P.E. Schaffner, 10-12

"Review of Brainscape," T.F. Pettijohn, 12-13

"A Report on Computer Intensity and Interpersonal Relationships," T. Lynch, 13-14

"REMARKS," J.A. Schinka and R.B. Smith, III, 14-16

"Psychology-on-line," 1-8

Newsletter: *Micropsych Network*

Issue: Vol.3, Number 2.

Source: Professional Resource Exchange, Inc., P.O. Box 15560, Sarasota, Florida 34277-1560. (813) 366-7913.

Contents:

"Review of the Illusions Pack," J.D. Larsen, 25-26

"Computerphobia," L.D. Rosen, M.M. Weil, and D.C. Sears, 26-28

"ID Password Program for Psychology Students," T.F. Pettijohn, 28-30

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Newsletter: *Micropsych Network*

Issue: Vol.3, Number 3.

Source: Professional Resource Exchange, Inc., P.O. Box 15560, Sarasota, Florida 34277-1560. (813) 366-7913.

Contents:

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Newsletter: Computer Applications in Social Work and Allied Professions

Source: CASW Editorial Group, City of Birmingham Polytechnic Dept. of Sociology and Applied Social Studies, Parry Barr, Birmingham, B42 2SU, Great Britain,

Issue: VOLUME: 3/2, 1986

Contents:

"Introducing Information Technology in Social Service Departments," P. Marsh, B. Ormerod, & J. Roberts, 1-6

"Reviews Training for Project Management Software & a book review of 'Computer Technology & the Aged'," 6-8

"A Suitability Evaluation of Differing-Complexity Expert System Shells from a Social Work Viewpoint," C.K. Harvey & S. Baggott, 8-17

"Computer Applications in Social Work Education," Dr. F. Gruendger, 17-20

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"Can Computers do Social Work?," V. Weavers, 21-24

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Newsletter: Computer Applications in Social Work and Allied Professions

Source: CASW Editorial Group, City of Birmingham Polytechnic Dept. of Sociology and Applied Social Studies, Parry Barr, Birmingham, B42 2SU, Great Britain,

Issue: VOLUME: 3/4, 1987

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Magazine: Computers in Nursing

Issue: May/June 1986 Volume 5, No.1, 32 pages

Source: J.B. Lippincott Co., Subscriber Services Dept. 2350 Virginia Avenue, Hagerstown, MD. 21741,

Contents:

"Training Nursing Staff in the Use of a Computerized Hospital Information System," C.A. Plummer, 6-9

"An Automated Staff Scheduling System that Minimizes Payroll Costs and Maximizes Nurse Satisfaction: Vendor Commentary," T. Fitzpatrick, L.Y. Farrell, and M. Richter-Zeunik, 10-14

"Development of a Hospital-based Computer Users' Course for Student Nurses," M.E. Soja, and K.E. Lentz, 15-19

"Grant Application Strategies for Computers in Nursing Education," M.E. Greipp, 20-23

Magazine: Computers in Nursing

Issue: May/June 1986 Volume 5, No.2 Supplement, 52 pages

Source: J.B. Lippincott Co., Subscriber Services Dept. 2350 Virginia Avenue, Hagerstown, MD. 21741,

Contents:

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Hours of Direct Nursing Care: Assessing baseline Data for an automated system by C.A. Albrecht 46-49

The Clinically Focused Descriptive Study: A method of Graphic Summary of Complex Observational Data by M.F. Hansen, K.F. Pridham, G.R. Stephenson, and P. Tsui. pp. 50-58

Preparing Faculty to Use and Develop Computer based Instructional Materials in Nursing by M.A. Murphy, pp 59-64.

Guidelines for Creating test Question Banks by M.A. Risolo, pp. 65-69

Magazine: Computers in Nursing

Issue: May/June 1987, Volume 5, No.3, 120 pages

Source: J.B. Lippincott Co., Subscriber Services Dept. 2350 Virginia Avenue, Hagerstown, MD. 21741,

Contents:

"Keynote Address: The Health Care Delivery System-Information Requirements and Computer Technology," R. McPhillips, 89-93

"Decisions and Dilemmas in the Development of a Nursing Information System," D. Johnson, 94-98

"Privacy, Confidentiality, and Security of Computerized Systems: The Nursing Responsibility," C.A. Romano, 99-104

Magazine: Computers in Nursing

Issue: May/June 1986, Volume 5, No.4, 160 pages

Source: J.B. Lippincott Co., Subscriber Services Dept. 2350 Virginia Avenue, Hagerstown, MD. 21741,

Contents:

"Computer Assisted Care in Nursing-Computers at the Bedside," J.H. van Bommel, 132-140

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"Using the Microcomputer to Give Students Personalized Feedback on Preparing Patient Health Histories," E.M. Bratt, 146-151

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Issue: September/October 1987, Volume 5, No.5, 200 pages

Source: J.B. Lippincott Co., Subscriber Services Dept. 2350 Virginia Avenue, Hagerstown, MD. 21741

Contents:

"Ethical Issues in Automating Nursing Personnel Data," D.Y. Barhyte, RN, PhD, 171-175

"Managing Community Health Nursing: A Personal Computer Tool for Assessing, Monitoring, and Planning the

Distribution of Public Health Nursing Resources at the Community Level", J.G. Kosidlak, RN, MS, & K.B. Kerpelman, RN, MPH, 175-181

"Computer Applications in Diabetes Management and Education", F. MacDonald, RN, MN, 181-186

"Use of the Microcomputer as a Tool for Subjective Grading", C.E. Larson, BS, MPH, PhD, 186-191

Newsletter: **Computer-Disability News**

Source: National Easter Seal Society, 2023 West Ogden Avenue, Chicago, IL 60612 (312) 243-8400. Editor Jean Jespersen Bartholomew.

Issue: Vol. 4, Issue 3 Fall, 1987.

Contents:

Easter Seals and IBM Combine in Local Programs to Assist People with Disabilities

Vocational Assessment Upgraded in "Career Systems" Approach

International Disability Database Formed at United Nations

Interactive MAC Serves as Base for Special Writing Program

Interview: Sherry Lowry, President, Access Unlimited/SPEECHEnterprises

Featured Produce: Travel Talk Portable Computer-Speech System

Freedom Writer Lets You Write Without Using Keyboard

Vocational Training Software for On-the-Job Simulations

PC Braille--Braille Translation for PC's and Compatibles Stand-By Power Saves Files

Newsletter: **Window on Technology**

Issue: Vol. 4 No. 3, September/October 1987 edition.

Source: Program Technology Branch, Ministry of Community and Social Services, 16 Broadalbane Street, Toronto, Ontario M4Y 1C3.

Contents:

Technology and Independence in Mobility, Communication and Recreation:

"How young children are using powered mobility aids to explore the world" p.2

"Technologies that help deaf and deaf-blind individuals communicate" p.6

"An innovative retirement program for developmentally handicapped seniors" p.10

"Easy-to-use database for professionals working with the developmentally handicapped in Niagara Region" p.11

"Computer networking systems for the disabled and for social service professionals" p.5

Newsletter: **Window on Technology**

Issue: July/August 1987 edition:

Contents:

"Freeing Trapped Intelligence" by Paul McPhail, Applied Technology Laboratory, Blenheim, Ontario p.1

"Tinkering with Technology. More on switches" p.4

"The MCSS Program Technology Branch. Where are we headed?" p.6

"A New Assessment Program for Disabled Adults" p.8

"Young Minds and Imaginations: Engineering Students at Ryerson Tackle Projects designed to Help Disabled People".10

"IBM Mouse Turns Words on a Computer Screen into Braille" p.12

Newsletter: **Window on Technology**

Issue: March/April 1987 edition:

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"At the Hugh MacMillan Medical Centre: using commercially available products to build a mobile environmental control system" p.5

"Child Sexual Abuse Assessment", A computer program that will help train child welfare workers" p.9

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Newsletter: **Window on Technology**

Issue: September/October 1986

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"The Future of Work: some thoughts and ideas" p.10

Journal: **Rehabilitation Research and Development**

Issue: Summer 1987 edition:

Contents:

"Effect of Lumbar Sympathectomy On Muscle Blood Flow: Distribution of Perfusion Measurements by Hydrogen Clearance in Skeletal Muscle" by Bok Y. Lee, L. E. Ostrander, W. R. Thoden, and J. L. Madden p.1

"Electrical Stimulation of the Auditory Brain Stem Structure in Deafened Adults" by L. S. Eisenberg, A. A. Maltan, F. Portillo, J. P. Mobley, and W. F. House p.9

"Development of An Australian Standard for Wheelchair Occupant Restraint Assemblies for Motor Vehicles" by W. E. Fisher, B. R. Seeger, and N. L. Svensson p.23

"Static Orthoses for the Management of Microstomia" by D. L. Carlow, T. A. Conine, and P. Stevenson-Moore p.35

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"Clinical Performance of Endoprosthetic and Total Hip Replacement Systems: by P. M. Sandborn, S. D. Cook, A. F. Harding, M. A. Kester, and R. J. Haddad p.49

"New Motor Control Assessment Techniques for Evaluating Individuals with Severe Handicaps: A Case Study" by N. J. Rudin, L. D. Gilmore, S. H. Roy, and C. J. DeLuca p.57

Newsletter: **Communication Outlook.**

Issue: Fall 1986 edition

Contents:

"Link Therapists" by Jayne Easton. A new system to more efficiently provide augmentative communication service p.6

"The Morning" by Doreen Joseph. A method of communicating with others p.8

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Publication: Bulletins on Science and Technology for the Handicapped

Issue: Volume 6 1986

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Publication: Computer and Biomedical Research

Issue: October 1987 edition:

Source: Homer R. Warner, Department of Medical Informatics, University of Utah School of Medicine, Salt Lake City, Utah 84132

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"Fast Algorithms for Predicting Operational Reading Frames Following Splicing or Insertion in Expression Vectors" by Jose Campione-Piccardo p.405

"ECG Waveform Analysis by Significant Point Extraction, by Q.L.Cheng, H.S. Lee, and N.V. Thakor p.428

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Publication: Computers and Biomedical Research

Issue: Volume 20, Number 6, December 1987

Source: Homer R. Warner, Department of Medical Informatics, University of Utah School of Medicine, Salt Lake City, Utah 84132

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Publication: Journal of Rehabilitation Research and Development

Issue: Fall 1987 Volume 24, No. 4

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Magazine: Computers in Nursing

Issue: November/December 1987, Volume 5 No. 6

Source: J.B. Lippincott Co., Subscriber Services Dept.2350 Virginia Avenue, Hagerstown, MD. 21741,

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Publication: Social Science Microcomputer Review

Issue Focus: Symposium on the State of the Art of Social Science Computing

Issue: Winter 1987 Volume 5 Number 4

Source: Duke University Press, Box 6697 College Station, Durham, NC 27708, G. David Garson, Editor

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Newsletter: MicroPsych Network, The Psychology and Behavioral Science Computer Newsletter

Issue: Volume 3, Number 4, October 1987

Source: Terry F. Pettijohn, Editor, MicroPsych Network, Department of Psychology, The Ohio State University, 1465 Mt. Vernon Avenue, Marion, OH 43302-5695

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A Simple BASIC Program for Eliciting Language Samples by David Schuldborg p.79

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Newsletter: Window on Technology

Issue: Vol. 4 No. 4 November/December 1987

Source: Program Technology Branch, Ministry of Community and Social Services, 16 Broadalbane Street, Toronto, Ontario, M4Y 1C3

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Newsletter: Computer Disability News

Issue: Volume 4, Issue 4 Winter, 1987-88

Source: c/o The National Easter Seal Society 2023 West Ogden Avenue, Chicago, IL 60612

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"Bright Futures" of Atlanta Offers Bright Promise to Infants, Preschoolers with Disabilities

New Reading Machine Opens Up Books for Persons who are Blind

High Tech Centers Serve Students in California Community Colleges

Funding High Tech--Insurmountable Hurdle or Just a Matter of Hard Work? A special interview on funding with Carol Cohen

Featured Product: Powerhouse x-10 Environmental Control

Soft-Talk: Medical Manager

Compuplay Database

Garfield Software

Newsletter: Rehabilitation Technology Associates (RTA) Newsletter

Issue: Summer 1987

Source: Betty Jo Tyler, West Virginia Research & Training Center, One Dunbar Plaza, Suite E, Dunbar, WV 25064-3098, (304) 766-7138

Contents:

Sixth Annual Conference

Long Range Information Systems Planning Preconference Training

Changing: Making the Benefits Greater than the Costs Evaluating the RTA Conference in Atlanta

Proper Planning Pays Big Dividends

Software Database is Being Developed (and we need your help)

Letters to/from the Editor

Newsletter: **Rehabilitation Technology Review Newsletter**

Issue: Volume Six, Number Three, Fall 1987

Source: RESNA, 1101 Connecticut Avenue NW, #700, Washington, DC 20036, (202) 857-1199

Contents:

Rehabilitation Technology: Past, Present, and Future by James C. Bliss

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Publication: **Computers and Biomedical Research**

Issue: Volume 21, Number 1, February 1988

Source: Homer R. Warner, Department of Medical Informatics, University of Utah School of Medicine, Salt Lake City, Utah 84132

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Using Smoothing Splines to Make Inferences about the Shape of Gas-Exchange Curves by: Ted D. Wade, Stewart J. Anderson, Jessica Bondy, V.A. Ramadevi, Richard H. Jones, and George D. Swanson p.16

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Semantic Relationships and Medical Bibliographic Retrieval: A Preliminary Assessment by: Perry L. Miller, Kenneth W. Barwick, Jon S. Morrow, Seth M. Powsner, and Caroline A. Riely p.64

Relation between Age, Education, and Time to Respond to Questions in a Computer-Based Medical Interview by: Warner V. Slack, Alan Leviton, Susan E. Bennett, Katharine H. Fleischmann, and Robert S. Lawrence p.78

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Newsletter: **TIME CAPSULE: Newsletter of the Transit Industry Microcomputer Exchange**

Issue: Volume 6, Number 1 Fall/Winter, 1987

Source: TIME Support Center, Civil and Environmental Engineering, Vanderbilt University, P.O. Box 1563, Station B, Nashville, TN 37235

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TIME Publication Order Form p.19

Journal: **Journal of Sociology and Social Welfare** (Special Issue)

Issue: Volume XIII, March 1986, No. 1

Source: Robert D. Leighninger, Jr., University of Connecticut, School of Social Work, West Hartford, Connecticut

Contents:

Introduction to Thematic by: John T. Pardeck, John W. Murphy p.1

Computers in Social Work and Social Welfare: Issues and Perspective by: William H. Butterfield p.5

Applying Computers to Clinical Social Work by: James Gripton, Paul Licker p.27

The Implications of Computer Technology in the Delivery of Human Services by: Narviar C. Barker p.56

Assessing Child Maltreatment: The Role of Testing by: Joel S. Milner p.64

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Scientific Technology and The Human Condition by: Vernon R. Wiehe p. 88

Computer Technology - 1984 and Beyond by: Terry Holbrook p.98

The De-Skilling of Social Workers: An Examination of the Impact of the Industrial Model of Production on the Delivery Social Services by: Howard J. Karger p.115

Medicine, Technology, and Genetic Engineering: Reflections From the Outside by: Jeffery R. Pittman p. 130

Developing Social Work Interviewing Skills Through a Micro-Video Analysis Training Program by: Peter C. Iversen p.142

Social Service Delivery Systems: The Impact of Technology and Organizational Structure by: Louella Mann p.157

Technology, Corporate Mobility, and a Decline in Urban Services by: Marcus D. Pohlmann p.171

Software Announcements

Free MSDOS disk to screen for Augmentative Communication Readiness

The Integrating Technology into Service Delivery Project (ITSD) has released a program which screens a client for readiness to utilize an augmentative communication device. It also contains exercises to increase the clients readiness. The software is designed to be used by teachers, parents and others who frequently come into contact with people with a communication disorder and would like to assess that client's readiness for pursuing an augmentative communication device. Contact Betts Hoover, Project Director, ITSD, UTA GSSW, POB 19129, Arlington, TX 76019-0129.

Free Clinical Assessment System for Students

Walter Hudson has just released a public domain Student Version of the "Clinical Assessment System" or CAS program which may be used for classroom or field practicum training in psychiatry, clinical psychology, social work, counseling and other human service professions. It is an extensive system which enables future clinical practitioners to learn computer-based clinical assessment and progress monitoring. It is shipped with 20 clinical scales ready for use and the CAS program is designed for interactive use with clients. Administers and scores the scales and sends graphic output to the screen, disk files, and printer. If you want a copy of the CAS program, send three formatted blank floppies and a stamped self-addressed return mailer to the WALMYR Publishing Co., PO Box 3554 Leon Station, Tallahassee, FL 32315. NOTE: Diskettes will NOT be returned unless adequate postage is enclosed. You may also download the entire program from Walter's computer by calling (602) 965-3985; set your telecommunications software to Full Duplex, No Parity, 8 data bits, 1 stop bit, and 1200 baud.

The Student Version of the CAS program may be copied for and distributed to virtually every student in your school, department or university. The aim of this public domain package is to encourage students to learn how to monitor and evaluate their clinical practice.

Free Statistical Package for Students

Walter and Kirk Hudson have just released a public domain Student Version of their "Statistical Package for the Personal Computer" or SPPC program. It contains over 100 different statistical procedures up to and including hierarchical multiple regression. If you want a copy of the SPPC program, send four formatted blank floppies and a stamped self-addressed return mailer to the WALMYR Publishing Co., PO Box 3554 Leon Station, Tallahassee, FL 32315. NOTE: Diskettes will NOT be returned unless adequate postage is included. You may also download the entire program from Walter's computer by calling (602) 965-3985; set your telecommunications software to Full Duplex, No Parity, 8 data bits, 1 stop bit, and 1200 baud.

The Student Version of the SPPC program may be copied for and distributed to virtually every student in your school, department or university. The aim of this public domain statistical package is to encourage students to use their hard won statistical training AFTER they finish the course; maybe

even AFTER they graduate! Walter and Kirk do not claim the program is perfect. However, they do claim that they will fix all reported bugs and even add some of the procedures that you might recommend.

Teacher Assessment System (TAS)

TAS helps evaluate teacher performance in the classroom. The Teacher Assessment System or TAS program is a uniquely powerful and highly accurate system that produces individual faculty reports and overall summaries based on student evaluations of classroom teaching performance. It is a completely microcomputer based system that enables you to produce hundreds of individual and summary reports with complete ease and considerable speed. The system resides on a single diskette and runs on any IBM PC, XT, AT or compatible computer using DOS 2.1 or higher with 256K or more of memory. With the examination copy of this software, you can test the system within your own program of studies for every course in your program. Sample data are also provided so that you may run the program, generate reports, and examine them at your leisure. The examination copy is available by sending a blank diskette and a stamped self-addressed return mailer to WALMYR Publishing Co., PO Box 3554 Leon Station, Tallahassee, FL 32315.

Software for the Assessment and Treatment of Memory Problems

The Memory Series consists of three assessment programs and one practice program for the IBM PC family. Designed to maximize use by independent clients, each program has its own introduction disk to train the client on the task. Spoken components present digitized speech, and comprehensive results analyses are performed automatically.

- *Series Recall: Assessment* is designed to evaluate short-term memory skills, assesses serial recall and is standardized.
- *Serial Recall: Attention* is designed to assess problems with attention span, compares serial recall with and without distraction.
- *Lexical Retrieval Skills* is designed to assess word retrieval skills in a textual memory task.
- *Serial Recall: Rehearsal* is designed to create a learning context for serial rehearsal, widely used short-term memory strategy.

For information, contact The U. of Michigan Press, 839 Greene St., POB 1104, Ann Arbor, MI 48106

Computer Business Games: Simulations in Diskette format

The following disks are available for \$22 each from Education Research, 370 Lexington Ave., 27th Floor, New York, NY 10017

- How to be a more effective leader and manager
- How to Negotiate Business Issues
- How to Manage Stress
- How to Delegate Effectively

Small Transit Data Management Software

This package is a dispatch aid and management tool for small special services transportation services. It facilitates client, fleet, and reservation data management. Driver schedules can be printed and used to collect trip data, which

can later be entered and used in a number of reports on system and vehicle utilization. This is one of the many transit packages distributed by TIME Support Center, Civil and Environmental Engineering, Vanderbilt U., POB 1563, Station B., Nashville, TN 37235.

Dr. Shrink

This sequel to Mind Prober is now available for \$49 from Neuralytic Systems, 66 Bovet Road, Suite 390, San Mateo, CA CA 94402 (415) 573-9001.

Practicing Sexual Decision Making

Presents a six step approach for teen-age sexual decision making along with several practice scenarios. \$24 from Chambers International Corp., 5499 N. Federal Highway, Suite A, Boca Raton, FL 33487 (305) 997-9444.

1988 Catalog of Communication Aids

The 1988 catalog of communication aids for children and adults can be obtained from the Crestwood Company, POB 04606, Milwaukee, WI 53204-0606 (414) 461-9876.

Easter Seal Society Rehabware Series

The Easter Seal Society of America has developed a series of software designed to meet the needs of both vocational and medically-oriented rehabilitation programs and to help ensure compliance with CARF and ACMRDD standards. Four DOS/Xenix packages are currently available.

- The vocational Rehabilitation Manager System, \$2,500 +
- MIS Fund Accounting System, \$2,500 +
- Medical Rehabilitation Manager, \$7,500
- Patient Clinic Billing System, \$3,000

For more information, contact Rita Glass, EdD, Director, Easter Seal Systems, 2023 W. Ogden Ave., Chicago, IL 60612 (312) 243-8400.

Software for finding the best street route

StreetSmart 2.0 is available for the MS DOS for \$89 from Street Map Software, 1014 Boston Circle, Schaumburg, IL 60193. It can also be obtained from the Crestwood Company, POB 04606, Milwaukee, WI 53204-0606 (414) 461-9876.

Child Welfare Software Programs

Each of Sperry's five Social Programs can be utilized individually or together as an integrated package. They provide automatic case filing and updating, case cross-referencing, interdepartment inquiries, automatic reminders, and automatic generation of forms. The five programs are: Child Protective Services, Adoptive Services, Day Care Services, Adult Protective Services, and In-Home Services. For further information, call 1 800-547-8362, ext. 48.

Child Welfare Software from England

4D Systems Ltd., 285 High St., Harborne, Birmingham, B17 9QH Tel 021-426-6577, has developed 3 systems for child welfare services. They are the Child Care Records Information System, the Foster Parents Payments System, and the Fostering and Adoption Resources System.

Cognitive Rehabilitation Software

The following programs, listed in the database of the Special Education Software Center, have been found to be useful in Cognitive Rehabilitation. The Special Education Software Center is a federally funded project operated under contract by SRI International, with assistance from LINC Resources and the Council for Exceptional Children. Members can contact the Center at 1-800-327-5892 and receive a free search. New materials are added all the time.

TITLE: Computer Programs for Cognitive Rehabilitation

PUBLISHER: Life Science Associates

COMPONENTS: 3 user's manuals; 21 disks; supplementary materials; documentation; Vol. 1: 8 programs, Vol. 2: 5 programs, Vol. 3: 5 programs, Vol. 4: 3 programs

COST: Available as volumes or separate programs (except Volume 3 that requires minimum purchase of 3 prog.) \$30.00/program; Volume 1-\$250.00, Volume 2- \$150.00, Volume 3-\$95.00, Volume 4-\$95.00

RELEASE DATE: 1981-1985; COPR.: 1981-1985

HARDWARE: APPLE II +, IIe, IIc, 48K, DOS 3.3; IBM PC, 64K, 1.1;

TRS-80, models I, III, 4, 2.3

SUMMARY: COMPUTER PROGRAMS FOR COGNITIVE REHABILITATION is a series that can be used for diagnosis and treatment of attentional, memory and perceptual disorders by professionals. Physical Impairments: neuro-muscular impaired, head injury/trauma

CURRICULUM: Cognitive Skills: memory, cognitive retraining; Reading: sight vocabulary, applied reading comprehension, visual discrimination, spatial relationships, visual sequencing; Language Therapy; Learner Evaluation: language motor assessment, perceptual motor assessment; Motor Skills: directionality; Ocular Motor Skills: visual scanning, visual tracking; Perceptual Motor Skills: visual motor integration

LEVEL: ACADEMIC: 3,4,5,6,7,8,9,10,11,12,Po,Ad

READING: little or none required

INTEREST: intermediate, junior, senior, adult

USERS: student, parent, allied professional

APPLICATIONS: student instruction, professional instruction, testing and evaluation

TECHNIQUES: drill and practice, tutorial

REVIEWS/USAGE: Volume 1 received an award, Johns Hopkins 1st National Search for Computing to Aid the Handicapped, 1981

ORDERING: Life Science Associates, One Fenimore Road, Bayport, NY 11705, (516) 472-2111

DISTRIBUTION: WARRANTY: one year against defects

PREVIEW: Manuals only

BACKUP: Included or user may make

TECHNICAL SUPPORT: yes

DESCRIPTION: (COGREHAB) is a four-volume series of 21 programs that can be used for diagnosis and treatment of attentional, memory and perceptual disorders by professionals or with professional guidance. Data are stored on disk for recordkeeping, analysis or research studies. The four volumes are described as follows: Volume 1 (8 programs) is a core package that addresses verbal recall and visual fields; Volume 2 (5 programs) focuses on detection and retraining of perceptual deficits; Volume 3 (5 programs) was designed for independent use by individuals with memory and related cognitive problems caused by injury to

the brain; Volume 4 (3 programs) spans low to high-level skills and is organized according to A.R. Luria's three principal units of brain function.

TITLE: Captain: Cognitive Training System

PUBLISHER: Network Services

COMPONENTS: 5 disks, user's manual; on disk help

COST: System Master--\$49.00; Modules--\$249.00; Complete system--\$595.00; **PRODUCT/ID:** RELEASE DATE: 3/85; **COPR.:** 1985

VERSION#: V1.1

HARDWARE: APPLE II +, IIe, ProDos (supplied)

SUMMARY: CAPTAIN was designed to assess and train basic cognitive functions including attention, concentration, memory, visual, motor and reasoning skills. CAPTAIN can be used to facilitate early learning or in the treatment of learning disabilities and head injuries.

PERIPHERALS: Applied Engineering Timecard, Color Monitor, Printer, Apple Mouse, Sip 'n' Puff Headset, Trackball

INPUT: Mouse, trackball, sip 'n' puff headset domain; **Physical Impairments:** movement/motion impaired, neuromuscular impaired; **Learning Disabilities:** Mental Retardation: mildly retarded, moderately retarded, severely retarded; **Behavior Disorders:** emotionally disturbed; **Non-Exceptional Learners/Mainstreamed Classrooms**

CURRICULUM: Motor Skills: ocular motor skills, visual scanning, visual tracking; **Communication Skills:** auditory discrimination, rhythm discrimination, auditory attention, spatial relationships; **Cognitive Skills:** memory, reasoning, mathematical reasoning

LEVEL: GRADE: Re, Ki, 1, 2, 3, 4, 5, 6

READING: 0

INTEREST: Early childhood, primary, intermediate

USERS/APPROACH: **USERS:** teachers, parents, allied professionals;

APPLICATIONS: Student instruction, testing and evaluation;

TECHNIQUES: gaming, CMI;

LESSON TIME: 3-5 minutes testing/training

REVIEWS/USAGE: Cognitive Rehabilitation, November/December, 1985 Closing the Gap, February/March, 1986

USERS: In use at Cumberland Hospital, New Kent, VA, VA Medical Center, Richmond, VA, Children's Hospital, New Orleans, LA, VA Medical Center, Palo Alto, CA

ORDERING: Network Services, 1915 Huguenot Rd., Richmond, VA 23235 (804) 379-2253

DISTRIBUTION: **WARRANTY:** 90-day/updates at reduced prices

PREVIEW: Demonstration by appointment (no cost); 30-day money back guarantee

BACKUP: Not copy-protected

TECHNICAL SUPPORT: (804) 379-2253

DESCRIPTION: CAPTAIN was designed to assess and train basic cognitive functions including attention, concentration, memory, visual, motor and reasoning skills. CAPTAIN can be used to facilitate early learning or in the treatment of learning disabilities and head injuries. CAPTAIN consists of 21 programs in the following three modules: 1) Attention Skills: auditory discrimina-

tion/rhythm, auditory discrimination/tones, color discrimination, scanning reaction, stimulus reaction; 2) Visual/Motor Skills: maze learning, spatial orientation, visual tracking; 3) Conceptual Skills: numeric display match, numeric skills, size discrimination, symbolic display match. CAPTAIN features "game-like" skill training, color graphics and sound feedback, three levels of play, assessment mode, response score printouts, training mode, mouse menu and game control. It integrates with behavioral management programs and has automatic dating and timing of task sessions and records.

TITLE: Attention: The Short-Term Memory Challenge

PUBLISHER: Mind Nautilus Software

COMPONENTS: 1 teacher's manual; 1 user's manual; 1 disk

COST: \$33.00

PRODUCT/ID: RELEASE DATE: 1984; **COPR.:** 1984

VERSION#: 1

HARDWARE: APPLE II +, IIe, IIc; DOS 3.3

SUMMARY: ATTENTION uses tachistoscopic techniques to teach vocabulary and drill memory skills.

INPUT: Keyboard

OUTPUT: Sound/music; visual display

NETWORK: No

EXCEPTIONALITY: Learning Disabilities; Mental Retardation: mildly retarded, moderately retarded

CURRICULUM: Communication Skills: sight word vocabulary; Cognitive Skills: short-term visual memory

READING: /A

INTEREST: Early childhood, primary, intermediate

USERS/APPROACH: **USERS:** student; **APPLICATIONS:** student instruction, testing and evaluation; **TECHNIQUES:** drill and practice;

LESSON TIME: 0 minutes/40 minutes

REVIEWS/USAGE: This program has been effectively used with head trauma patients. The program was designed for use by mildly/moderately retarded and learning disabled populations

ORDERING: Mind Nautilus Software, 234-F Main St., Suite 123, Pleasanton, CA 94566, (415) 462-7100

DISTRIBUTION: **WARRANTY:** 90 day

PREVIEW: 5-day preview available to individuals, groups, single schools and school districts

BACKUP: Backup disk available for \$10.00 at time program is registered with publisher

TECHNICAL SUPPORT: Available directly from the publisher

DESCRIPTION: By making an Apple II series computer a programmable tachistoscope, ATTENTION allows the user to have any item that can be represented on the keyboard (i.e., numbers, letters, words, phrases, etc.) "flashed" on the computer at three different speeds with three different sizes of presentation and levels of completeness. After setting-up an ATTENTION SHORT-TERM MEMORY CHALLENGE (which can be constructed by the user using the authoring program in the ATTENTION program or the 100 words contained on the program's disk) the user presses the key to have an item flashed and then enters exactly what was seen. The program checks the response and provides positive feedback. The program

records progress and tracks the ten highest scores on the task.

TITLE: Computer CUP (Concept Understanding Program)

PUBLISHER: Amidon Publications

COMPONENTS: 1 teacher's manual; 6 disks; student performance sheets, class record sheet

COST: \$39.95 per set (6 sets); complete series \$229.50

PRODUCT/ID:

HARDWARE: APPLE II, II+, IIe, IIC

SUMMARY: COMPUTER CUP is designed to assist early concept development or concept relearning. Students control the pace of presentation. **INPUT:** Keyboard

OUTPUT: Visual display

NETWORK: Not specified

EXCEPTIONALITY: Multiple Impairments: cognitive domain, motor domain; Hearing Impairments; Communication Impairments: speech impaired; Learning Impairments; Mental Retardation: mildly retarded visual sequencing, spatial relationships; Cognitive Skills; Mathematics Skills: number concepts, ordinal numbers, quantity comparisons, arithmetic readiness

LEVEL: GRADE: Re, Ki, 1, 2, 3

READING: /A

INTEREST: Early childhood, primary

USERS/APPROACH: student instruction & tutorial

LESSON TIME: Self-paced

ORDERING: Amidon Publications, 1966 Benson Ave., St. Paul, MN 55116, (612) 690-2401

DISTRIBUTION: **WARRANTY:** 30-day exchange or refund

PREVIEW: Contact publisher

DESCRIPTION: Students in preschool and early elementary settings will benefit but will most likely require supervised instruction. The program is also useful in educational settings for language learning disabled, secondary special education students; hearing impaired, mentally retarded, limited English proficiency, stroke patients, and head trauma victims. The program can be used by a small group or by individuals working with an adult or peer who is familiar with the written presentation. Because presentations remain on the screen until a response is made, there is ample time for instruction, explanation, and discussion. Lesson topics: Set 1: top, through, away from, next to, inside, middle, farthest. Set 2: around, over, between, nearest, corner, behind, row. Set 3: center, side, below, right-left, forward, above, separated, in order. Set 4: some/not many, few, widest, most, whole, second/third, several, almost. Set 5: half, as many, not first or last, medium: sized, zero, every, pair, equal, least. Set 6: different, after, beginning, other, alike, matches, always/never, skip.

Remember
Attend The
Electronic Networking Association
Conference, May 12-15
Philadelphia, PA
See Upcoming Events section for details.

Upcoming Events

Computer-Using Educators, Inc., May 13-14, 1988, Town & Country and Torrey Pines High School in San Diego, California. Contact Pat Cleland, Executive Director for Computer-Using Educators, Inc., (415) 325-8934; (415) 328-2248; (818) 335-8807.

Beyond Electronic Mail May 12-15, International House, Philadelphia, PA. Contact Electronic Networking Assn., 2744 Washington St., Allentown, PA 18104

International Symposium on Medical Informatics and Education, May 15-19, 1989, University of Victoria. Contact M.H. Nusbaum, MPH, School of Health Information Science, University of Victoria, P.O. Box 1700, Victoria, B.C., V8W 2Y2, Canada

3rd Annual Computers for Social Change Conference June 2-4, Hunter College, New York. Contact Terry Mizrahi c/o ECCO, 129 E. 79th St., New York, NY 10021

17th Annual Meeting of the MUMPS Users' group, June 13-17, 1988, New Orleans Marriott, New Orleans, LA. Contact MUMPS Users' Group, 4321 Hartwick Rd., Suite 510, College Park, Maryland 20740.

Nursing and Computers, June 21-24, 1988, Trinity College in Dublin Ireland. Contact Secretary, Irish Nursing Board, 11 Fitzwilliam Place, Dublin 2, Ireland or call (01) 609788, Telex is 91212 ABAL EI.

International Conference of the Association for the Advancement of Rehabilitation Technology (ICAART 88), June 25-30, 1988, Palais Des Congres Montreal, Quebec, Canada. Contact, International Conference of the Association for the Advancement of Rehabilitation Technology, 3631, Rue St. Denis, Montreal (Quebec), Canada H2X 3L6, Phone: (514) 849-9847.

Connecticut's Special Education Network for Software Evaluation, Fourth Annual Conference, July 5-8, 1988, Bishop Conference Center, University of Connecticut, Storrs, CT 06268. Contact Dr. Chauncy N. Rucker, Director, Special Education Center Technology Lab, University of Connecticut, U-64, 249 Glenbrook Road, Storrs, CT, 06268, (203)-486-4031.

Use of Information Technology in Social Work Education July 17 1988, Vienna Austria. Contact Ram A. Cnaan, School of Social Work, U. of Pennsylvania, 3701 Locust Walk, Philadelphia, PA 19104 USA, (215) 898-5533, Bitnet: CNAAN@PENNDRLN (see advertisement in this issue).

Urban and Regional Information Systems Assn. (URISA) 26th Annual Conference, August 7-11, Los An-

geles Hilton, LA, CA. Contact URISA, 319 C. St. S.E., Washington, D.C., 20003.

Directions and Implications of Advanced Computing (DIAC-88), August 21, 1988, St. Paul, Minnesota. Contact Nancy Leveson (714-856-5517) or Doug Schuler (206-865-3226), Computer Professionals for Social Responsibility, P.O. Box 717, Palo Alto, CA 94301.

Expert Systems and Decision Support in Medicine, September 25-28, 1988, Institute for Medical Informatics, Medical School Hannover, West Germany. Contact: Conference Secretariat, Medical School Hannover, Institute for Medical Informatics, P.O.B.61 01 80, D-3000 Hannover 61, Federal Republic of Germany, Tel.:(0511) 532-2540, Telex:921217 medho d EARN/BITNET: SECRETAR@DHVMHH1

Second National Conference on the use of Computers in Healthcare Education and Training, 5-7 October 1988, Keele University, England, Contact Sue Kavanagh at: Open Software Library, 164 Windsor Road, Ashton-in-Makerfield, WIGAN WN4 9ES, Tel: 0942-712385 (see advertisement this issue).

Fourth Annual Computer Technology/Special Education/Rehabilitation Conference, November 2-4, 1988. Contact person: Dr. Harry J. Murphy, State University,

Northridge, 18111 Nordhoff Street, Northridge, CA 91330, 818-885-2578.

Twelfth Annual Symposium on Computer Applications in Medical Care, November 6-9, 1988, Sheraton Washington Hotel, Washington, DC. Contact Robert A. Greenes, MD, SCAMC -- Office of CME, The George Washington University Medical Center, 2300 K Street, NW, Washington, DC 20037, (202) 994-8928.

National Conference on Special Education and Technology, December 11-13, 1988 in Reno, Nevada. Sponsor = Technology and Media Division, The Council for Exceptional Children. Contact Ted Hasselbring, c/o Dept. of Professional Development, The Council for Exceptional Children, 1920 Association Drive, Reston, VA 22091-1589. (703) 620-3660

Medical Informatics & Education International Symposium, May 15-19, 1989, The University of Victoria, Victoria, B.C. Canada. Contact Tom Liettaer, Conference Office, University of Victoria, P.O. Box 1700, Victoria, B.C., Canada V8W 2Y2, Phone: (604) 721-8475, E-mail: MIEDU89@UVVM.BITNET

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**Plan To Attend the Second National Conference
on the Use of Computers in Healthcare
Keele University, England, 5-7 October, 1988**

For details contact:

Sue Kavanagh, Open Software Library, 16 Windsor Road Ashton-in-Makerfield, Wigan, WN4 9ES U.K. TEL: 0942 712385

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