## omputer Use In Social Services Netw Vol. 6 No. 2 Summer 1986

**.** 

## Networking: The Linking of People, Resources and Ideas TABLE OF CONTENTS

Services Available	
Notes From The Editor	
Articles, Reviews and Reports	
What is CUSSnet and FIDONET? by Dick Schoech	4
A Description of CUSSnet nodes.	
Answers to some questions about CUSSnet and FIDONET	6-8
FIDO'S Users Manual by Tom Jennings	8-10
FIDO Brings Out the Crazies	
Selected Items from FIDONET News	13-14
History of FIDOnet	14-15
"Virtual Offices" For Management Of The Mental Retardation Program and Their	15 10
Essential Functions by Gordon C. Krantz	
FIDONET Nodelist as of 11 July 86	

Communicating at: CUSSnet: dipping from and aiding in Human Services. 300-2400 baud 8 data bits \* \* 1 stop bit no parity Building on FIDONET The World's First 1:00 **BBS** Network (\*) CUSSnet II FIDO [Support provided by] (jm) Apple Computers 130/5 U.S. Robotics (gmb) &

U.S. Department of Health and Human Services OHDS, OPD

## **About the Network**

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

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

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

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

The Electronic Network (CUSSnet) establishes local bulletin boards, national and local mail and file transfer, downloading of public domain software, and access to numerous repositories of electronically available information on human service computing. CUSSnet builds on FIDONET, approximately 900 microcomputer-based local bulletin boards across the U.S. and in 9 continents. Contact Dick Schoech for your local node, or call 817-273-3966 and type the file in the HELP file area called FIDOLIST.80. Communications are at 300-2400 baud, 8 data bits, 1 stop bit and no parity. Almost any computer or terminal and modem will work.

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

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

**Special Interest Group (SIGs)** are subgroups where significant networking is occuring 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.

## CUSSN ADVISORY BOARD MEMBERS

Floyd H. Bolitho, Assistant Professor, La Trobe U., School of Social Work, Bundoora Victoria, Australia, 3083
Robert Elkin Professor, U of Maryland, School of Social Work and Community Planning, 525 W. Redwood
Street, Baltimore, MD 21201

Marilyn Flynn, Professor, U of Illinois-Urbana Champaign, 1207 W. Oregon St., Urbana, IL 61801

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

Gunther R. Geiss, Associate Professor, Adelphi U. School of Social Work, Garden City, NY, 11530

Wallace Gingerich, U. of Wisconsin-Milwaukee School of Social Welfare, Milwaukee, WI 53201.

Michael Gorodezky, Poolman, Shih & Platton, Inc., Information System Consultants, 1810 Grand Ave, Santa Barbara, CA 93103

Mike King, Director, Social Work/Discharge Planning, St Francis Hospital, Port Washington Blvd, Roslyn, NY 11576

Ursula Koch, Fachhochschule Ostfriesland, Constantiaplztz 4 D-2970 Emden, Germany, Europe

Camille Lambert, Professor, Faculty of Social Work, U. of Toronto, 246 Bloor St. W., Toronto, Ontario M5S 1A1, Fidonet 111/381

Walter LaMendola, PhD, Professor, School of Social Work, U. of Denver, Denver, CO 80208

F Dean Luse, President, Outpst Inc., 119 Wilson, Park Forest, IL 60466, Fidonet 115/396

Alain MAZET, 10 Boulevard Gambetta, 87000 LIMOGES, France

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

Laurence Moseley, Computer Science Dept., University College, Singleton Park, Swansea, United Kingdom SA2 8pp

Thomas Neudecker, Assistant Vice President for Academic Affairs, Carnesie Mellon U. 5000 Forbes Ave., Pittsburgh, PA 15213, Fidonet 129/384

Lynn Harold Vogel, Assistant Professor, U. of Chicago, School of Social Service Administration, 969 E. 60th St., Chicago, IL 60637, Fidonet 129/384

## Services Available

î

Vendor/Consultant	Contact Person	Services
Illinois		
OUTP ST, Inc. Drawer CNC6 119 Wilson St., Park Forest, IL 60466	F. Dean Luse, Ph.D., CSW, President (312) 748-3854	Consultation on feasibility and information system planning. Provides help with accountability, forms & report design, decision support systems, database development, software selection & evaluation, training your staff to use computer systems Extensive micro and mainframe computer experience.
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/Fun Raising, Client Service/Receivables - and a ful range of SERVICES - feasibility studies, programming, training, and support.
Florida		
Community Service Council of Broward County, Inc. 1300 S. Andrews Avenue P.O. Box 22877 Fort Lauderdale, FL 33335	Susan K. Buza, Executive Director (305) 524-8371	Full range of consulting and technical support in the automation of Social and Human Services. Systems include Agency Invento- ry/Directory Production, Information & Referral, Client Case Manage- ment, Mental Health Client Tracking, Statewide Networking, Trans- portation Scheduling, Carpool Matching.
Maryland		
KBL Group, Inc. 'Knowledge Based Living' 808 Pershing Drive #100 Silver Springs, MD 20910	Karen Levitan, Ph.D., President, (301) 588-4633	Services to help you use information, technology, and systems as professional resources. We work for you; we work with you; we help you do it yourself.
New York		
King Associates, LTD. 215 Shoreward Drive Great Neck, N.Y. 11021	Michael A. King, D.S.W. (516) 497-5995	Microcomputer software for social work and for discharge planning departments. Customization also available.
Now York/Now Jorsov		
New York/New Jersey RFM/Associates, Inc. One Bridge Plaza, Suite 400 Ft. Lee, NJ 07024	Rod Monger, PhD, (201) 592-5895	A consulting and training firm whose associates are academics and experienced professionals. Services include programming, manage- ment development and training, systems design techinical writing planning, security audits, and personnel searches. Write for brochure with full description of services. No charge for initial consultation. Micro specialization.
Rhode Island		
Applied Innovations, Inc. South Kingstown Office Park Wakefield, R.I. 02879	800-272-2250 401-789-5081	A developer and manufacturer of over 20 software programs designed to operate on popular microcomputers. The programs are fully supported, documented and operational in hundreds of loca- tions. Programs assist with Psychological testing (eg MMPI) office management (eg billing/insurance forms) or Assessment (eg psy- chosocial histories).
Texas		
Dick Schoech, Ph.D. 1311 W. Lavender Ln. Arlington, TX 76013	(817) 273-3964	Consultation and training on information systems feasibility, design implementation and evaluation. Access to varied technical expertise of University setting.
Australia		
Human Services Information Systems 6 Chapman Blvd Glen Waverly Victoria 3150	Floyd Bolitho, Ph.D., (03) 687-6790, (03) 459-1806	Consultation for Human Services, feasibility studies, training, sys tems design and implementation. Software Development and hard ware vendor.

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

Service Listing Announce	ments: Interested vendors/co	insultants should send payment along	with their description. Rates are as follows.
Description length	Rate per issue	Rate per year (4 issues)	
under 15 words under 30 words under 45 words under 60 words	\$ 5 \$ 8 \$10 \$12	\$18 \$28 \$34 \$40	
Space Advertisements:	Advertising space is available in	the CLISS Newsletter at the following	rates:

one eighth page in one issue = \$15 one fourth page in one issue = \$25

one half page in one issue = \$45 three fourths page in one issue = \$60

one full page in one issue = \$75 two full pages in one issue = \$120

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

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

## Notes From The Editor

I have wanted to publish this issue announcing CUSSnet for about a year. However, when working with computers and people, things go much slower than anticipated. We may not be quite ready to announce CUSSnet even now. Building a system takes time and effort as well as trial and error. When you logon to CUSSnet, remember that it took hours for everyone to get the right equipment, the software installed and running correctly, the correct telephone codes in the system to allow it to send mail almost anywhere in the world, (a weekly chore) etc. Couple that problem to the local ones of getting approval to use a computer to operate a bulletin board, bad intercom systems, weekend energy saving steps such as not cooling buildings (allowing your computer to overheat), lightning storms which play havoc with computer systems, etc. For example, one potential node simply gave up after months of trying to get university approval. UTA's telephone manager was curious about who was sitting up at 4:00 AM calling all over the country. Hopefully, we have CUSSed enough and the results will be worthwhile and fun.

A special thanks to all those who helped get CUSSnet started. I am grateful to all those who provided detailed information on last year's survey about networking. Time prevented me from responding to each one of you personally. A special thanks to Steve Ice for his continuing technical support and willingness to run the weekly poll.

Dick Schoech Cuss Network Coordinator 15 July 86 Sysop Net 130 Node 5

## Articles, Reviews and Reports

What is CUSSnet by Dick Schoech, CUSS Coordinator, UTAGSSW, POB 19129, Arlington, TX 76019-0129

From the beginning of the CUSS network, members have been talking about communicating electronically. Getting information out in this newsletter is just too slow. When people call to request information about a problem or product, I must tell them to send me the request in writing and wait until the next newsletter is published and hopefully, someone will respond to their request. This process can take 3 to 6 months which is unacceptable. An electronic network could shorten that request to several days or at least several weeks.

Based on our experiences, several years ago I submitted a grant to the U.S. Dept. of Health and Human Services, OHDS to start an electronic network. They were sympathetic, but only provided enough money to do the initial feasibility study and begin a network. As with most projects, continuation money was not available. Apple Computer Corp. provided a computer and hard disk and some networking software to help us get started.

I soon found out that the initial sponsorship was a blessing in disguise. I now was obligated to get something started on very little money. The feasibility study survey (see Vol 5 #2) indicated that people wanted to network, but costs were prohibitive. The average electronic network costs \$20-40 per month for each user. Most previous human service electronic networks survived with outside support, but failed when users were required to pay the costs for running the network.

One network was different. It was founded on the concept of using people time and effort rather than expensive telecommunications. The phone system was used efficiently in the off hours. The software to operate the network was in the public domain and you could set up a node for free and try it out. That network is FIDOnet, started by Tom Jennings (see the story on FIDO's history). I used a big chunk of the OHDS funds to buy a PCAT computer to begin using FIDONET.

FIDONET was a solution to many of our problems. It was inexpensive, available in about 1000 locations worldwide, and was a true network, that is, it was operated by many individuals working cooperatively. Using FIDONET, CUSS would not be required to invest 10,000 + the first year to see if an electronic network is what we wanted/needed. It distributed the effort and therefore, CUSS would not have hire staff (we don't have the money to hire anyone).

FIDONET had its limitations. It is not that easy to set up a node and keep it going. FIDO communications are complex and a small error can take days to detect and hours to correct. FIDONET is growing so rapidly, the documentation is often outdated or not very good. And since each node operates independently, it is more difficult for users across the U.S. to share information on one specific topic. However, these limitations can be overcome with time, effort, and money for extra communications. So CUSSnet became one of the many subnetworks using FIDONET. The CUSSnet nodes listed in this newsletter are a modest beginning.

If you want to help, there are several ways. If you want to start a CUSSnet node, you need a MS-DOS PC, 256K, dual drives (a hard drive is recommended), a 1200 baud autoanswer modem, and some time and effort. Many nodes use multitasking software like multilink or desqview to allow them to use their computer at the same time someone is using CUS-Snet. Call Steve Ice to get any technical assistance you need to set up a board.

You can help in small ways. For example, if you have a CUS-Snet node within local calling distance, offer to help the sysop (system operator) by managing a message area or two on a subject in which you have interest. There are many other small ways, just leave a message offering to help.

CUSSnet is a true network in that each node operates independently. Local sysops are in complete control of how their board operates and the content of their board. Treat the sysop kindly, because they put many hours into getting their system running and they will continue to spend time and effort to keep their node going if treated kindly. Sysop burnout is a problem. While CUSSnet may not be impressive now, give us a few years to get the files we need and the communications flowing. The potential is great.

## A Description of CUSSnet Nodes

Net/Node: 11/301 Board #: (502) 762-3140 Board Name & Details: FIDORACER, 24 hrs/day, 300/1200 baud. Operator: Bill Allbritten, Murray State U. 2004 University Sta., Murray KY 40271 Work Phone No: (502) 762-6861

A user can obtain up to date information on issues on the use of computers by the handicapped, some public domain software to aid the handicapped use computers, and information on other boards carrying handicapped information. Also, up to date information on AIDS is posted as is general health information on a variety of topics. The board is part of MEDNET echomail which allows users to discuss current health issues with users of other boards.

#### A Description of CUSSnet nodes, cont.

**Operator:** Michael L. Bowen, Microcomputer Support Group

3535 S. Wilmington St., Office 205, Raleigh, NC 27603 Work Phone No: (919) 772 7513

For too long, the handicapped have found themselves isolated from much of life by a lack of access to the movement and communications the rest of us take for granted. With the development of the microcomputer, however, the way was opened for the disabled to enter the mainstream of life.

Unfortunately, both the handicapped and those who work with them have fallen victim to the same problem — a lack of knowledge of computer technology. In a dynamic, constantly changing industry, it was impossible to keep up with the latest develoments.

But no more. Now a single telephone call can allow one to sift through hundreds and hundreds of references, locating th emost up-to-the-minute information on adaptive hardware and software, groups serving specific handicapped populations, literature on specific disabilities and listings of local meetings, events and services.

EQUAL BBS — and its companion organization, EQUAL SIG (Special Interest Group on Computers and the Handicapped) — are designed to give the disabled a place to come together to share experiences, advice and expertise.

EQUAL BBS is a public service of Microcomptuer Support Group, Inc., of Raleigh, NC, a consulting firm specializing in microcomputer system selection, setup and training for the handicapped.

#### Net/Node: 100/999

Board #: (314) 889-4696 Board Name & Details: WUFN BBS Operator: Bill Butterfield, Professor, School of Social Work, Washington University, St. Louis, MO 63130 Work Phone No: (314) 889-4508

The Washington University Fido Node (WUFN) is sponsored by the George Warren Brown School of Social Work.

The Node provides a bulletin board service to social service agencies in the St. Louis area and is a part of the nationwide Fidonet electronic mail network.

The specialty of the node is bibliographic information on computers in the social services. The number of bibliographic entries is now quite small but is being expanded weekly.

Individuals or agencies having bibliographic files are invited to contribute them to the bulletin board. They can tell the bulletin board and leave the files by calling 314-889-4696 or by sending a floppy disk formatted for an IBM PC to:

Bill Butterfield

Box 1196 Washington University

St. Louis, Missouri 63130

Bibliographic Files on the board are maintained as ASCII files or as DBASE files.

The board uses an epson Equity II computer with two 20 megabyte hard disks.

## Net/Node: 139/450 Board #: (414) 963-4515

Board Name & Details:

**Operator:** Wallace Gingerich, Associate Professor, School of Social Welfare,

U of Wisconsin-Milwaukee, Milwaukee, WI 53201 Work Phone No: (414)963-4440/(414)963-4851

Call the board for a description.

#### Net/Node: 107/37 Board #: (212) 532-2278 Board Name & Details:

**Operator:** Gerald Hoffman, Executive Director Human technology Association, Box 1003 Cooper Station, New York, NY 10003

## Work Phone No: (212) 532-5658

HumanTech CUSSNET is an electronic bulletin board for nonprofit organizations in the New York City Area. The board was designed to have public domain training software on-line. However, for a variety of reasons we have not yet collected a sufficient amount of such software to consider it to be a specialty of the board.

Nevertheless, this BBS is serving as a forum for individuals in not-for-profit organizations to reach out to each other for information and assistance. The New York City area has quite a number of free access bulletin boards, both in the Fido Network and outside it. Cumulatively these boards have a vast amount of public domain software available. HumanTech CUS-SNET is the only board dedicated to non-profits, and therefore has attracted this audience who interact among themselves and are often referred to other boards for specific files.

The board has served to announce the activities of the New York Personal Computer Club's non-profit sig which runs monthly clinics and workshops for non-profit organizations. It has also announced other seminars, workshops and conferences on automation which are of interest to or specially targeted to non-profits. Among those active on the board have been the Community Service Society which is very active in promoting the use of computers among non-profits.

Assistance has been sought in the acquisition of hardware, and several lively discussions on the board have revolved around public domain and/or low cost statistical and accounting packages. These discussions have benefited from the presence of interested individuals who are not from the nonprofit world, but who found their way on to this non-restricted board, and stayed around to lend a hand.

The board has also served as a training ground for individuals just learning telecommunication techniques. Individuals have come on to teach themselves, and we even had a workshop leader from the Southern Regional Conference on Runaway Youth log on as a live demonstration. The New York State Division of Housing has also used the Board for training funded agencies in file transfer and other telecommunication activities.

This BBS has served a useful function primarily for the new computer user because it has no time related fees, has generous online time limits and is relatively easy to use. Additional funding would make it possible for the sysop to provide better maintenance of the board, as well as to interact more frequently with the users.

#### Net/node: 138/35

Board #: (206) 442-8127

Board Name & Details: US HDS HUMAN SERVICES BBS

**Operator:** Steve Ice, Dept of HHS, Region X, MS 411, 2901 Third Ave. Seattle, WA 98121

CUSSNet Poll Coordinator and Technical Advisor Work Phone No: (206) 442-8099

Located within the Northwest Regional Office of Human Development Services, an operating division of the U.S. Dept of Health and Human Services, the US HDS HUMAN SERVICES BBS specializes in hosting communications related to federal programs and administrations on: Aging, Headstart — early childhood education for the disadvantaged, Native Americans, Foster Care, Child Abuse and Neglect, Special Needs Adoption, Domestic Violence, Runaway Youth, Developmental Dis-

#### A Description of CUSSnet nodes, cont.

abilities, and WIN - work incentive for families receiving aid for dependent children. Additionally, the U.S. Public Health Service will respond to inquiries of a health nature. This BBS is open to any and all with professional affiliation or interest in human services; and the message areas are intended to provide for discussion of issues, and interests horizontally between users. Users now include states, cities, counties, United Ways, non-profit service agencies, universities, judicial and congressional offices, hospitals and clinics. The BBS is a member of CUSSnet and will support free mail to any or all CUSSnet nodes from any registered user. As part of CUSSnet, the board will contain public domain human services software from the U. of Denver Information Technology Center and the human services publication archives developed by the School of Social Work U. of TX at Arlington. Finally, the BBS will serve as a gateway for distribution of announcements and products resulting from federal human services research and development programs.

#### Net/Node: 104/614 Board #: (303) 871 2912 Board Name & Details:

**Operator:** Walter LaMendola, Professor, School of Social Work, U. of Denver, Denver, CO 80208 **Work Phone No:** (303) 871-2915

The Mile Hi CUSS Board specializes in human service software. Information will be provided on the Board about what software is available for use in the human services. Any demonstration or public domain software that is provided to us will be shared with every other board in CUSSNET. Such software can then be downloaded by any validated user from any of the CUSS Boards. Users will be able to place a request for software searches of the Software Clearinghouse from any of the CUSS Boards; however, the routine for placing such requests is only now under development. Until the procedure is in place we ask that all Software Clearinghouse requests be made directly to us by telephoning or writing to Jo Drenker, Software Clearinghouse, Information Technology Center, Graduate School of Social Work, University of Denver, Denver, CO 80208-0274, Telephone: AC (303) 871-2886.

We hope to use our message areas to post 1) software reviews, 2) conversatons about human service software, 3) notices from people looking for software, 4) user critiques of software in use, 5) user software questions and problems, 6) human service software vendor notices, 7) human service software developer conversations or questions. We are in the process of deleting all other directories from our board, including the games, utilities, and so on.

Our Board requires that you are a validated user before you can receive normal user privileges. We have experienced a lot of vandalism and have become more rigorous about validation. This means that the first time you use our Board you will not have all the ability to do things until you are validated. We expect to have everything going full steam in three to six months. A doctoral student, Chuck Mastrini, has taken over responsibility for the maintenance and development of the Board. He is a talented computer user who has turned his life over to CUSSNET. You may send your condolences to him at any time. Please address any problems you experience with our system to him at the same address and phone number as given above.

#### Net/Node: 130/5

## Board #: (817) 273 3966

Board Name & Details: CUSSnet UTA, 24 hrs a day, 300-2400 baud

**Operator:** Dick J. Schoech, Associate Professor, U. of Texas at Arlington, Graduate School of Social Work P. O. Box 19129, Arlington, TX, 76019-0129 **Work Phone No:** (817) 273-3964 CUSSnet UTA is located in the Graduate School of Social Work at the University of Texas at Arlington. It provides two specialty services (1) a listing of conferences/workshops related to human service computing and (2) the table of contents of recent publications received by the CUSS Network. It will also carry the information that will appear in future CUSS newsletters. There are no user fees, however, those wishing to send national or international mail must first make a deposit. The UTA Node is also the node which coordinates the CUSS network, does the network accounting, and contains the membership roster.

#### Net/Node: 107/240 Board #: (516) 228-7938 Board Name & Details:

**Operator:** Gunther R. Geiss, Professor, Adelphi U., School of Social Work, Garden City, NY 11530 **Work Phone No:** (516) 228-7915/228 7900)

This node will feature the Skills Bank data—information on colleagues: interests, abilities and experience levels as per the questionnaire run periodically in the CUSSNET Newsletter. Its purpose is to help us find one another by skills, equipment or software experience, by job, by interests, etc. in order to facilitate technology transfer—by expertise, by concept or by lock, stock and barrel. Our objective is to eventually permit searching of the data base directly and updating of the data by automated questionnaire presented bia FIDO. For the time being we will simply try to be more responsive to inquiries received via FIDONET/CUSSNET as we work at opening the access to our data.

Locally, we will be providing agencies in the human services with access to specialized information resources developed by the various activities that the school sponsors. Our Social Services Center has information and referral materials for preand post-mastectomy patients, for victims of crime, especially rape victims, and for other special problems. The Social Policy Center publishes Social Policy Notes—a newsletter devoted to policy issues which we expect to carry on-line. It is also working with the Physicians For Social Responsibility in developing a Peace Center and we will support that activity. Our Senior Connections Project provides opportunities for senior citizen volunteers to work in libraries with social work and library science students in providing information and referral services to their senior colleagues. As appropriate we will be disseminating the experience gained from that activity.

#### Net/Node: [to be designated] Board #: (817) 649-2857

Board Name & Details: DD Tech Library 24 hrs/day, 300-2400 baud

**Operator:** Carrie Brown, Bioengineering Program, ARC/US, 2501 Avenue J., Arlington, TX 76011 **Work Phone No:** (817) 640-0204

This CUSSnet Node, operational in October 1986. will be located in the Bioengineering Department of the U.S. Headquarters of the Association for Retarded Citizens in Arlington, TX. It will carry information related to computing for persons with developmental disabilities. Through the outside (O) feature of FIDO, users will be able to search a database of developmental disability computing resources. The database contains files on experts, vendors, publications, and local technology users. Its development was sponsored by grants from the Texas Planning Council for Developmental Disabilities.

## Answers to some questions about CUSSnet and FIDONET by Dick Schoech

Do I need CUSSnet?

#### Answers to some questions about CUSSnet and FIDONET, cont.

If you or your agency presently work with a computer and want to stay in touch with others in the human services who use computers in their work, then CUSSnet makes sense. It also makes sense if you plan on purchasing a computer or developing a computerized information system. CUSSnet offers information and support. CUSSnet is inexpensive, but it may take some time and effort to get the connections and information you are looking for. CUSSnet is a network which is as rich as its members make it. If everyone expects to get good information off without contributing good information to the system, everyone will be disappointed.

#### How much will it cost me to use CUSSnet?

The answer is similar to that for the question "How much will it cost me to use the U.S. mail system." If you are in a city with a friendly CUSSnet node, you may get all the benefits of CUS-Snet for nothing. Some bulletin boards charge a nominal fee for their services. Typical amounts that FIDONETs charge are \$10—\$15 for 6 months logon, 25—50 cents per 45 line message for non local mail. File transfers depend on the length of the file. Many Bulletin Board users have found that paying the sysop is a wise practice because it helps prevent burnout and improves the quality of the uploads and downloads.

#### What hardware software do I need?

Most communications software will work with FIDO. Ask the dealer where you bought your computer for their recommendation. If you do not have any, it is not necessary to go out and buy a package. Most bulletin boards contain several excellent "shareware" MS-DOS communication packages such as PC Talk, Qmodem, and Procomm. With shareware, you are encouraged to get a copy of the software and try it out. If you like it, then you send \$15 or \$30 to the developer to help cover enhancements, etc.

If you have a dumb terminal, set it fro 1200 baud, 8 data bits, 1 stop bit and no parity. If you have a computer, a communication software package is necessary.

### What is the CUSSnet Poll?

FIDO software has the capacity for any node to call another node and pick up specially designated mail. If a poll has been set up among a group of FIDOnet nodes, mail can be sent to one computer and automatically picked up (polled) each week by many computers. Thus, one can conveniently distribute mail each week to many people by one phone call. The poll allows maximum distribution of mail with minimum charges to the sender and receiver.

All CUSSnet nodes participate in a poll. If you have no CUS-Snet node near you, you may be able to convince a local FIDO sysop to each week poll Steve Ice's Node in Seattle. Send Steve a message at 138/35 for details. You can also send Steve a message that will go out to all nodes polling his system. Sysops and others pay the phone bill for picking up the poll, so I suggest you not use it for advertisements and meaningless messages. Steve will discard messages which are not suitable. Bill Allbritten runs a poll for those interested in higher education news.

#### How do I find the Net Node of other CUSS members?

At present the only way to find this listing is by calling one of the CUSSnet nodes. Each should maintain a listing of the net/nodes of CUSS members. Here is the list as we begin. Other CUSS network members may have net/node numbers, however, I do not have them.

#### Net/Nodes of members of the CUSS Network

Mike King	107/37
Dale McDonald	111/381
Kim Lambert	111/381
Dean Luse	115/396
Tom Neudecker	129/384

Do not send private mail until you know that you have the person's name precisely as they are listed on the board. Fido checks for mail by doing a precise match on first and last name. Messages where the name does not match the intended receiver just sit in limbo if they are sent as private mail.

# I have logged on to a CUSSnet node and seen a "DEMO" interviewing program I want to try out. How do I download it?

If a files is a text file and not compressed using arc or another program, you can type the file and set your printer or computer to capture what appears on the screen. If the file is an executable computer program, then the sending and receiving computer must have software that use the same protocols (agreed upon transmitting methods). FIDO supports most protocols used in the microcomputer world. You must read the manual of your communications software to see what you need to do to download files.

#### I notices that many utilities and games I need for my work end in the extension .arc, .lqc or .lbr. When download, they do not seem to work on my computer. What am I doing wrong?

Most BBS files have extensions such as: arc, cqm, eqe, lbr, lqr, or tqt. The meaning of these extensions follows. The following description of these extensions applies only to computers running MS-DOS or compatible operating systems. I am not familiar with similar programs for those running CP/M TRS-DOS, APPLE DOS. If you know of any similar non MS-DOS programs, please send them.

A "q" in the extension means the file has been squeezed by a software utility to reduce its size. You must download this utility (NUSQ.COM) and its accompanying documentation (NUSQ.DOC) to unsqueeze the software before you can use it. Then, type NUSQ followed by the name of the file you want to unsqueeze.

Lbr or just "I" in the extension means the file is a library of many smaller files. The file was constructed using one

of the library utilities and you must unlibrary the file before you can use it. Try a program such as LU8640.exe and LU8640.doc to unlibrary a file. A file can be both squeezed and libraried, it may have lgr in the extension.

ARC or A in the file extension means has been archived. This is a process which both squeezes and libraries files in one operation. You must use an archive utility to unarchive the file before you can use it. Try downloading arc.eqe or arc512.arc (or a later version) to unarchive any file. Type arc and the instructions for using the archive utility will be provided. Basically to unarchive you type the following:

ARC X fn

where fn is the name of the file to unarchive.

#### How can I become a CUSSnet node?

First, you need an MS-DOS machine that you can leave on day and night to receive user calls and send and receive mail. A auto answer hayes compatible 1200 or 2400 baud modem is necessary. A hard disk and good surge protector are recom-

#### Answers to some questions about CUSSnet and FIDONET, cont.

mended. Then ask yourself some basic questions. Do you want to increase your communications with peers locally and nationally? Can you devote a couple of days to get the system set up. Do you have several hours a week to keep the system running? If you decide you have the equipment, time, and energy to become a node, send a message to Steve Ice (see CUS-Snet nodes) requesting initial information. Steve will provide the remaining details.

Many CUSSnet nodes see themselves as a resource for local human service professionals and community agencies. If your agency has as its goal the providing of resources to the community, e.g., the Assn. for Retarded Citizens, CUSSnet offers a convenient mechanism.

## FIDO'S Users Manual by Tom Jennings

FidoBBS is a Bulletin Board system that takes full advantage of MSDOS version 2. Most of the features were modeled after the usual CBBS and RBBS software, since the command system is so popular and familiar.

The user interface is pretty similar to other Bulletin Board systems, to eliminate the pain of totally relearning a new command set. All are intrinsic commands; both for simplicity and security. (User uploaded files, such as a debugger, cannot be executed.)

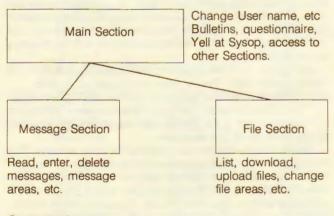
There are three help levels; the default for new callers is NOVICE. This provides a small menu of commands, and usually gives further description as commands are executed.

REGULAR help is full prompts, but does not tell which command has just been executed, etc. Useful for after you understand the structure, but have not memorized all the command mnemonics.

EXPERT help is only the simple single letter prompts. Once you are very familiar with Fido, this will make using it very fast.

Regardless of help level, you can enter? at almost any point for a list of the options at that point.

From the Main Section, all of Fido's available commands can be accessed. The actual commands are described in detail below. Fido is arranged into three sections:



#### Commands

All commands in all areas are one letter, though some require further arguments or options. Most command allow entering the further arguments right after the command key; if not, or if not supplied, each necessary component is prompted for, usually with help available at each point.

For instance, to download a file you must enter the D command, the download method (one of six) then the filename. If you entered D, then Fido would ask for the download method. After that, it asks for the filename. Once you become familiar with it, you can enter it all as:

D X FILENAME.EXE

All on one line, skipping the prompts. This works for most commands.

All commands can be aborted with a Q or a blank line.

### All Sections

The following are commands that are available in all Sections.

#### G - GoodBye

Logoff the system, optionally leave a private message to the sysop. If a message is left, it goes into the special message area (in system area 0) that is accessible only by the sysop. The usual message editor is available for comments.

#### S — Statistics

This command lists the time on the system, time remaining, etc. Also, depending on the area, it will list further information.

### Files Area

Statistics also lists the free space left on the default drive. Message Area

Optionally lists messages to or from this caller.

#### **FidoNet Area**

As in Message areas, and also lists FidoNet statistics.

#### Main Menu

This is the default section after signon, right after the Bulletins and quotations. From here, the "system" type commands are accessed, such as Change user settings, etc. The commands accessible from here are described below.

- M Message Section
- F File Section
- Y Yell at the Sysop
- A Answer a questionnaire
- B Get the Bulletin again
- C Change User settings
- U Display the User List
- G Goodbye, logoff
- S Statistics

#### M - Message-Area

Enter the message section. From there, the message areas can be accessed.

#### F - Files-Area

Similar to Message-Area, but where the upload and download commands are.

#### A — Answer-Questionnaire

If there is a questionnaire in the system, the caller gets to fill one out with this command. A questionnaire is an text pseudo-language file, described in the Questionnaire section.

#### C - Change User

A small sub-menu of commands to change various user settings, such as signon name, password, screen dimensions, etc.

- U Users name
- C City and State
- P Password
- W Width of screen
- L Length of screen
- H Help level
- M "More?" On and Off
- T Tab expansion On and Off
- N Nulls, 0–20
- N Nulls, 0-20

Users can change their name, city and state, and password at any time. (You can prevent this by setting the privilege level of the C command high.)

NOTE: For security reasons, when the callers name is changed, the entire users list is searched to make sure the name is unique. This is to prevent a caller from changing their name to say, sysop, which would allow them to read private messages to sysop.

#### FIDO's User Manual, cont.

The screen dimensions are used by the page pauser ("More?") and the message system. Messages are listed to fit within the set screen boundaries, and message entry is done via a word wrap editor. If "More?" is ON, then Fido will pause after each screenful. All of the command prompts are made to fit within this.

Help level is either NOVICE, REGULAR or EXPERT. NOVICE is the default; it causes all prompts to be displayed fully, and each command to be described with a one liner. REGULAR is similar, but does not list the entire wordy prompt. EXPERT is almost no prompt at all.

"More?" on and off controls whether Fido asks "More?" every screenful.

Tab expansion converts all tabs sent into spaces, for those systems that cannot handle tabs.

Fido can be set to send nulls after each linefeed. It defaults to 0 nulls.

#### B - Bulletin

This just displays the signon bulletin, BULLETIN.BBS again.

#### Y - Yell at the Sysop (Not available on Fido10)

By yelling, the caller can attempt to contact the sysop. It beeps for 30 seconds, and if the sysop does not respond by then, supplies the message "Sysop not available" to the user. The sysop can chat with the user at any time.

#### U — Users List (Not available on Fido10)

Lists the names of all current callers to the system. Not very useful.

#### G - Goodbye

Terminates the call. It is not really necessary; however, callers seem to get upset when they cannot figure out how to log off, so there it is. It also allows entering a private message to the sysop. After (optionally) entering a message, it causes a disconnect, exactly what would have happened if the caller just hung up.

#### Message and Mail Section

The Message Section is accessed by the M command from the Main Menu. All message commands are available here. Return to the Main Menu is via the M command.

- M Return to Main Section
- G Goodbye
- A Area-Change
- R Read messages
- E Enter a Message
- K Kill (delete) a message
- L List Messages
- S Statistics

#### A - Area-Change

Change the current message area. If an area number is entered after the A, that area is selected if available. If not, a list of areas is displayed, from which you may choose one.

If a new area is selected, then the messages there are counted (why it says "Wait ...") and if it's the first time you've selected that area, asks if you want to list mail addressed to you. Nothing happens if you select the same area, or blank line or Q.

The mail search searches all messages, newest to oldest, and lists: New message to you (ones you haven't read yet) Old messages to you (ones you have read) and messages you have entered. Typing Control-C or Control-K aborts the search. If there are lots of messages in any of the above categories, it reminds you to Kill some. The message area numbers displayed may not be sequential. Each area has an associated privilege level and if the users privilege is not high enough, that area will not be displayed nor available.

#### L — List Messages

Only the message headers are listed. A starting number is requested; this can be:

An ordinary number

A number followed by + or — — itself.

If just a number is entered, messages are listed starting at that one, towards the highest message.

A number followed by + or—controls the direction messages are listed in. + is redundant.—means list backwards; 100- then means start listing at 100, list towards 1.

-means list from the highest message towards the lowest. This is the most useful, and for some reason the least used. If you have called before, this is the easiest way to see any new messages.

#### R - Read

Actually a small menu by itself. From here messages can be read, entered, killed, replied to, etc. See the descriptions of the Kill and Enter commands for details on those.

Entering a message number reads that message. N (Next) reads the next highest message, and P (Previous) reads the next lowest message. Hitting CR repeats the previous N or P; if neither was used, then it defaults to P.

\* is a special message number. It means the highest message number.

+ and—are little used keys, but one of the most powerful message features. Messages can have, and be, replies. (See R command below.) Messages created with R are linked to other messages. For example, a message about an item for sale may have a reply. If you come across the original for sale message, it will say "See also #nnn, use + key" if it has a reply. Entering a + at this point will take you directly to that message. This message will say "Reply to #xxx, use—key". Entering—will take you back to the original message.

There is no limit to the number of messages that can be linked this way. Further replies are added to the end, and if one in the middle (or either end) is Killed, the string of messages is "patched" to maintain continuity.

This is my favorite feature (dreamed up by John Madill) and I am slightly annoyed that no one uses it.

R Replies to the current message. It acts basically like Entering a message, but automatically fills in the "To:" field, and links it into the original message.

If you are replying to a message in the Mail area, it also fills in the destination system. The message will be mailed out that night.

Please read about Entering messages, further below. E enters a message in the normal fashion.

#### E - Enter a Message

You fill in the To:, From:, Subject: fields, etc, then the main body of the message. After terminating the message, commands can be used to save, abort, edit, etc.

If the area is a FidoNet Mail area, then in order to enter a message, you must select the system to send it to at the prompt. If you do not have enough credit, then Fido will not let you send a message to that system. If you do, then Fido will deduct the cost of the message from your credit. (Credit not presently needed on Fido10.)

Message text entry is done with a word wrap editor. If the screen width is set properly (C command in Main Menu) then this is about as close to a full screen editor as you can get through a modem (on current DOSs anyway.)

#### FIDO's Users Manual, cont.

Like WordStar, text is entered continuously without carriage returns. Words that would go past the left edge are wrapped to the next line. Carriage returns can be used to form paragraphs as in WordStar. When entered this way, later reading of a message will conform to the callers screen width.

At the Enter Message command prompt, the options are:

C for continue. Add more to the message, adding to the end. L lists the message so far.

T lets you change the To: field.

J lets you change the subject.

E edit a line. You enter the line number, then you are prompted of the Old string (what to change) then the New string (what to change it to). Both old string and new string can be anything that you can enter, except a carriage return.

NOTE: it is possible to edit a line such that it goes beyond the edge of the screen. It will list correctly after it is saved.

A aborts the message. You will be asked yes or no.

S saves the message. The message is written out to disk, and the highest message number, etc is updated.

#### K - Kill

Deletes the message. Will not let you delete messages that are not To: you or From: you, unless you are the sysop. If the message you killed was mail to a remote system and it was not sent yet, you get your credit back; you are not charged for that message.

#### I - Index

Terrible name, but too bad. Prompts you for a string. It then searches all messages, newest to oldest for the thing you enter. It looks in the "To:", "From:", or "Subject:" fields. If the string you enter is in any one of those parts of the message, the header of the message will be listed.

Typing Control-C aborts the search. An insensitive sliding match is done; ON matches TONY or PITON, etc. Each message header matching is listed, then a list of all matching message numbers.

? will match any character. For example, if there are the following messages in the system:

#100 From: Joe Bungpop

To: All

Subject: Musical Instruments

#102 From: No Body To: W.S. Burroughs

Subject: Guns

#200 From: All

To: Board

Subject: Music

If you enter MUS, it will list messages 100 and 200, as MUS is contained in the Subject: fields of both. If you had entered BU, then it would list messages 100 and 102, as it would match "Bungpop" and Burroughs". Entering B??R would cause #102 and #200 to be listed, as B??R matches BURRoughs and BOARd.

#### **File Section**

The file Section contain all the file oriented commands for downloading, uploading, etc. The M command returns to the Main Menu.

M	Ma	ain	S	ect	ior

G Goodbye

- A Area-Change
- F List Files
- L Locate specific Files
- D Download U Upload
- U Upload R Raw-List
- K Kill a file
- T Type a file
- **CUSS Network Newsletter, Summer 86**

Similar in operation to the Message Area-Change. If a valid area number is entered, it is selected directly, otherwise a list is displayed.

Like the message areas, there may be numbers missing from the sequence. These are either blank paths or high privilege areas. If the caller is the sysop, then area 0 is available. Non-Sysop callers can never access area 0.

#### L - Locate

Given a file specifier (wildcards recommended) it searches through all file directories for the filename, and lists all occurrences of it.

This is not the general purpose list-files command.

F --- Files

Lists the files in the current directory. If no specifier is given, it lists all files, otherwise only matching ones. The size of the file and the description is displayed after the filename.

If "MISSING" is displayed instead of the file size, then the file is not in the directory.

#### T - Type

Very simple. Displays an ASCII file on the screen. It statistically checks the file to make sure it is a text file.

#### U - Upload

Upload a file or files to Fido. I will not even attempt to document all the upload methods. Suffice to say you select the upload method and do it.

The total uploads made is kept in the users record. These count towards further downloads, by effectively raising the download limit on a 1 for 1 basis. It will not give you credit however. There is no limit on uploads.

If a file is uploaded with XMODEM, then Fido asks for a description of that file, and adds this to the FILES.BBS file list in the proper area. This can be setup in a number of ways; please refer to Fido's Installation Manual.

#### D - Download

Again, pick the method and do it. Before the download starts, Fido checks time limits and K byte limits, and prevents too long downloads. Uploading will remove some of the download limit.

#### **Control Characters**

Control characters are used by Fido for editing command lines, pausing and aborting commands. Control-C and Control-K always are identical and have the same effect:

Control-C Aborts anything

Control-K Aborts anything

Control-S pauses the display. Any key except a second Control-S will let it continue.

When not using the word wrap message editor, Fido allows simple editing of command lines. It assumes the user's terminal can support at least backspace. It supports:

<sup>^</sup>C, <sup>^</sup>X, <sup>^</sup>U, <sup>^</sup>Y Delete the entire line.

^F

Restore the previous line, from last use or deletion. (Most useful.)

^S, ^G, ^H, DEL Delete one character to the left.

^D

Restore one character.

ESC, CR, LFO Enter the line.

## FIDO Brings Out the Crazies compiled by Dick Schoech

A system operator soon finds the group of BBS uses contain the same number of "crazies" as the population at large. My board has been down on and off for the last two weeks as someone had found out a way to lock up my computer through FIDO. They like to crash the system Friday night so that no one can use it over the weekend. Another reminder is the profanity which some users leave in the questionnaire and message areas. Others write long rambling incoherent messages. However, the worst are those who act normal, but have malicious intent. Let the following short articles serve as a reminder that we need all the self-help software we can get.

THE DIRTY DOZEN Issue #3: Oct 30th, 1985 An Uploaded Program Alert List Compiled by Tom Neff

Recently, many unlawfully copied or modified programs have appeared on various IBM PC bulletin boards across the country. THE DIRTY DOZEN is a list of known examples.

There are three major categories of "bogusware": commercial pirate jobs, unauthorized "hacks" of otherwise legitimate freeware programs, and malicious "TROJAN" programs which damage your system. A more detailed explanation of each category is given below.

Sysops: Please be careful with the files you post in your download libraries! Be suspicious when an uploaded game or disk utility appears to be of professional quality, yet doesn't include the author's name, address, and distribution policy. Such programs are probably NOT public domain!

The BBS community is already under legislative threat at the State and Federal level. We cannot fight this trend effectively while our directories sit stocked with "cracked" Sega games, 1-2-3 copiers and Wargames dialers! Let's demonstrate a little social responsibility by cleaning up our download libraries. If you have any of these files on your system, please delete them and post "blocking" dummy file entries like this one:

DELETED !! NOT PUBLIC DOMAIN!! ZAXXON.COM

THE DIRTY DOZEN's brief is simultaneously to bring this issue to the attention of more Sysops and users, and to act as an information clearing- house for the latest known examples of "bogusware." I need lots of help keeping up with the busy warren of pirates and careless uploaders out there; see the end of this article for information on how to reach me with new information.

A final word on TROJANS: I have been hearing more and more reports of these "worm" programs, from all directions. While I don't doubt their existence (and all that I have heard of are listed below), let's not get hysterical.

Remember, a Trojan rumor is a lot easier to START than it is to STOP. Some people have accused "legitimate" \*joke\* programs, like DRAIN (which pretends to be gurgling excess water out of your A drive) of being "killers." Even if a program locks up your system, it isn't necessarily Trojan; it might not like co-residing with Superkey, or your graphics card. Ask around a little before you announce something as Trojan. I would appreciate a bagged specimen of any real Trojan program you find.

NOTE: The file extensions below refer to the unpacked, executable file in most cases. Remember that these programs may arrive on your system as ARC or LBR archives, with or without SQueezing.

1DIR.COM	PIRATED	This is "The ONE Dir," a commercial shell sold with a
21C.EXE ARC.COM	PIRATED HACKED	Hard Disk subsystem. From the IBM Game Library Someone keeps running SPACEMAKER or a similar

AXX.EXE BUSHIDO COPYRITE DEB88.EXE DIGGER.COM DOSKNOWS.EXE	PIRATED PIRATED PIRATED PIRATED PIRATED	EXE squeezer on SEA, Inc.'s ARC archive program, then uploading the resulting COM file to BBS's without the author's permission. Not kosher, whoever you are. SEA won't support the COM version — this is an unautho- rized modification. really AUTODEX, a commer- cial file manager Really Quaid Software's COPYWRITE DeSmet "C" debugger I'm still tracking this one down — apparently someone wrote a FAT killer and re- named it DOSKNOWS.EXE, so it would be confused with the real, harmless DOSKNOWS system-status utility. All I know for sure is that the REAL DOSKNOWS.EXE is 5376
EGABTR	*TROJAN*	bytes long. If you see some- thing called DOSKNOWS that isn't close to that size, sound the alarm. More info on this one is welcomed — a bagged specimen especially.
F15 FILER.EXE	PIRATED *TROJAN*	-
GREMLINS HARDHAT JOUST KONG LIST60	PIRATED PIRATED PIRATED PIRATED HACKED	Vern Buerg's LIST 5.1, patched to read 6.0.
NOVATRON PCBOSS POOL.ARC	PIRATED PIRATED PIRATED	Really PC-POOL, commercial game
PSHIFT PSRD.ARC QMDM110.ARC	PIRATED PIRATED HACKED	game really MEMORY SHIFT IBM utility (redirects PrtSc) ONLY versions 1.10 and 1.10A! They are QMDM110A.ARC copies of 1.09, hacked to read 1.10. There have been rumors of a worm in 1.10, but I haven't seen any evidence of it. Other versions are OK.
ROBOTRON ROGUE.EXE SECRET.BAS	PIRATED PIRATED *TROJAN	

disks.

#### FIDO Brings Out The Crazies, cont.

ribe brings out i	ne orazies,	John
SEE SFX SM.COM SMAP	PIRATED PIRATED PIRATED PIRATED	DeSmet editor really AUTODEX (again!) Realia's SPACEMAKER utility IBM Internal utility, with the copyright notice blanked out
SPYHUNT STARGATE.EXE	PIRATED PIRATED	and real author's name () replaced by "Dorn W. Stickle". Hacked to say "PUBLIC DO- MAIN BY ATARI," but don't you believe it! Don't confuse
STRIPES.EXE	*TROJAN*	
		draws an American flag (nice touch), but meanwhile it's busy copying your RBBS- PC.DEF to another file (STRIPES.BQS) so Bozo can log in later, download
TREED.COM	PIRATED	STRIPES.BQS, and steal all your passwords. Nice, huh! Really DOS TREE DISPLAY
THEED.COM	TINALLD	(IBM utility)
VDIR.COM	*TROJAN*	
XDIR	PIRATED	never seen it. Pre-release version of DOS FILE TRACKER, an IBM "Personally Developed"
ZAXXON	PIRATED	program. Hacked (sound familiar?) to say "PUBLIC DOMAIN BY SEGA." Sorry, Charlie!

## CATEGORIES:

PIRATED This is an illegal copy of a commercial program product. Examples, a "cracked" (de-protected) game, an accidentally or deliberately distributed compiler, editor or utility; sometimes a Beta test copy of a program under development, handed out by a disgruntled employee or dishonest beta tester. In the latter case, the program in question may never make it to market due to the pirating! (But it's still unlawful to distribute it.) In the case of games, there's a tendency for the pirate to patch a clumsy "PUB-LIC DOMAIN" notice over top of the original copyright: see my TROJANPD.ART article for a detailed example.

HACKED An unlawfully modified copy of an otherwise legitimate freeware or user-supported program. It is illegal to distribute a modified copy of someone else's work without their permission. If the modifying party has obtained that permission, it should be mentioned in the program's display or documentation.

\*TROJAN\* BEWARE!! These programs are written and uploaded by people with the LSD-in-the-reservoir mentality, and cause some form of DAMAGE to your system if you're unwary enough to run them. It is IMPERATIVE that you let me know about any new examples of these that you find. (Tom Neff) at any of the following places: \* CompuServe User ID [76556,2536] (via Easyplex electronic mail or the IBM Novice Forum, GO IBMNOV)

- \* Atlantic Palisades RBBS (718-238-7855)
- \* DEC-WARE Fido (Net 107/Node 1)

This message appeared on DFW Fido 130/0

#### WARNING

One of the nuts got out again! Beware the file U-HDISK.COM. It has hit some of the Dallas FIDOs. This is a Trojan Horse program, billed as a great hard disk utility, will destroy all files on the disk. Legal pursuit of the author is underway.....

## Whiz Kids and Communications by Richard P. Wilkes, From Fidonews, 19 May 1986.

During the past eight years, I have been heavily involved with "bulletin board" systems running on micros and mainframes. I'd like to give a few examples of the destructiveness of many of these "kids."

Most have probably heard of or called an RCP/M. Five years ago, I wrote a similar type system for a TRS-80. This software ran for 3.5 years without a problem. But now, as more and more potential crackers have access to communications equipment, this system has been crashed repeatedly.

When I was back in high school, the big thing was to find a bug in the OS. But, once we found it, instead of using it to keep the system flat on its back, we documented it and sometimes even fixed it. Doesn't seem like that is the case anymore...

On this system, some caller breaks in, deletes all the files, and then writes a program which keeps the drives selected; this burns out the motors on 5.25" drives, especially when they run all night. This was done so often, the system was brought down for a long time (until a trace could be put on the dial-up).

I run my own system and publish software that turns a TRS-80 into a mail and message system. I have sat and watched callers SYSTEMATICALLY attack the system. This takes several forms:

1) All commands, series of commands, and options are tried.

2) The system is assaulted with all manners of control sequences, trying to get some unexpected result.

3) I have even seem someone drop and then re-initiate carrier to see if they could get somewhere.

If that doesn't work, they begin to crack passwords. They know what they are doing... in one case, I watched as someone went through what looked like the beginning of the Webster's Dictionary trying to get superuser status. Since most people use words, not a bad idea, right? Less intelligent ones start with A and just try and try and try.

Oh, by the way, they are definitely using auto-dial modems and software to do this.

If all else fails, they simply tie up the system. They choose the most obviously disk intensive command, and execute it again and again. Since many systems only timeout after inactivity, this could tie up the system for many hours (not to mention the wear and tear on the equipment).

These little bastards certainly aren't doing anything constructive.

Seven years ago, I called up MIT-MC and got a tourist account which I kept for three years until I got an authorized one. It was a free account on an open system; the only strings were

#### FIDO Brings Out the Crazies, cont.

 that I use it after hours and not tie up too many resources. But things have changed. You can't have totally open systems anymore without many precautions and almost constant supervision. For example, I have had to add many security features to these small systems:

 Three attempts and you lose the connection. Nine illegal attempts at a user name without a correct login causes a suspension. Anyone trying to login under that name is immediately suspended (with some exceptions).

2) Connection limited use.

 Application process reviewed by sysop before someone can use all features, or even use the system.

 Isolate the user completely from all operating system functions, even to the point of modifying the DOS to hang or reset when necessary.

I do have one little "joke" up my sleeve. There is an account on these systems called SYSOP. Now, if I was going to break in, that is where I would start. I've put a little patch into my host. After 39 incorrect tries on that account, IT ALLOWS THE CALLER THROUGH. He gets a welcome message and Sysop command:. He can renumber messages, change the date and time, even delete from the directory, change user names and passwords. He can do all the things that a sysop can do. Of course, he isn't \*really\* doing anything (he he he!) After, oh say, 10 minutes, output stops. 24 linefeeds are issued and the following appears (slowly, as if from a TTY):

HELLO INTRUDER! Gee, I want to thank you for hanging around for the past ten minutes while we had a chance to trace your call. It is too bad that some people just can't live responsibly. But, I guess that is the reason we have the police and FBI, right? 2disconnect<sub>3</sub>

I don't know what the answer is, but I do know that treating this type of behavior casually must be stopped. There will always be people who will try to circumvent all security measures, sometimes out of curiosity, but recently more often with the intention of doing something destructive.

It's too bad that the days of the unsecured systems is coming to a close, but with hundreds of people scanning the exchanges with their auto-dial modems looking for carriers, armed with 10 pages of pirated MCI access codes, we don't have much choice.

From Fidonews 30 Jun 1986

#### \*\*\* WARNING \*\*\*

#### **TROJAN HORSE ALERT**

#### FIDOPROM.COM

Well, we have a new one. This program claims to be written by Tom Jennings:

Welcome to the Fido prompt writer Written by: Tom Jennings Intended for use with Fido Versions 11v—11w ONLY Copyright 1986, Tom Jennings

I just got off the phone with Tom, and HE DID NOT WRITE IT! The first clue was that it is written in TURBO PASCAL. Tom only writes in C or ASM. Next, the cute dialog in the file is atypical of what Tom does. From looking at the strings in the program (using CHK4BOMB), I guess that it will either delete your USER.BBS file, or copy it to another file (REPORTS.PAS), where it could be downloaded at some later date. Interestingly enough, another "new user" was on the next day, searching all the file areas for files of the type indicated in the program. It was uploaded to both 109/74 and 109/483 within 1 hour of each other. If you have received a copy of this "giff", I would appreciate getting any information you might have on the fool who uploaded it.

And, if you have run it, I would like to know what happened.

SYSOP 109/74—The Bear's Den 109/483—Wash-A-RUG

#### The following message is from FIDO 22 in St. Louis.

21 JUN 86

WARNING: DO NOT RUN A PROGRAM CALLED FIDOPROM.COM (FIDO PROMPT WRITER). IT IS A variant ON THE STRIPES TROJAN HORSE AND CLAIMS AUTHOR AS TOM JENNINGS AND IS WRITTEN IN TURBO.

Please look for and delete any copies of this program you may find. Please identify and persons uploading this program to us all.

## Selected Items from FIDONET News

Fidonet has a weekly newsletter which is useful for rapidly distributing information. The following are articles of interest out of Fidonews.

## .....

FIDONET News Editor in Chief: Thom Henderson Chief Procrastinator Emeritus: Tom Jennings

FidoNews is the official newsletter of the International FidoNet Association, and is published weekly by SEAdog Leader, node 1/1.

#### Duff Smith, 109/624

#### Deaf TTY service for the Fido network?

I hope to generate interest in accommodating the Deaf citizens owning a TTY (teletype device).

I believe there is a huge market of fairly isolated deaf people who could greatly benefit from Fido service—and the hardware is basically compatible, though it runs slower than the 300 Baud lower limit.

The only necessary modification to Fido is that it recognize the lower Baud rate.

Hardware modification to any Fido board that supports 300 Baud is unnecessary, as the bell 300 baud standard provides 0-300 Baud.

Page 15

#### Fidonews

24 Mar 1986

Announcing a new FIDO Fido 107/601 (215) 367-6558 SYSOPS Annette Sine-Weilnau Peter Weilnau

#### Selected items from FIDONET News, cont.

There is a new FIDO on the East Coast! It's free, public and already has a good assortment of PC and MacIntosh public domain software. So far it's only 20 meg and 1200 baud, but the 2400 will soon be here, and we promise to add more storage when it's needed.

What's the catch? There is none, but, we do have a special theme for "Stone Wall". We think that computer technology can be used to help fight some of mankind's basic problems. So, we chose to help with the hunger problem. Now, you might ask "How in the world can a BBS help fight the hunger problem?" We have some ideas that we're going to try, and with your help, we hope to find a lot more ideas in the future.

Initially, The Stone Wall BBS will carry information about individuals and small organizations that have come up with noteworthy ideas and methods to help fight hunger. But we we're sure there are many more things a BBS can do to help with these tough problems. So, if you have any ideas how computer technology can help, please share them with us, after all, that's what we're here for!

We think that by carrying extensive public domain libraries, we can attract more people—which in turn helps to spread ideas and increase our effectiveness. So any software contributions you can make, will make a big difference. See how easy it is to help!

We hope that our public service orientation will help bring credibility to the BBSing community. After all, we sure do need some good press. And your support will contribute to maintaining the freedom that Bulletin Boards enjoy today.

#### Fidonews

10 Feb 1986

Looking for Old Talkies

Page 3

It occurred to me that a LOT of radio stations are switching from commercial two way gear to cellular mobile phones. Makes sense, faster, better quality, easier to put on the air, less maintenance. And I know that right now, anyway, used two-way gear is a drag on the market. Well, if your station is making the switch and you'd like to get rid of the old walkie-talkies and get a nice tax deduction, consider giving them to the American Council of the Blind.

Every year we have to rent them for our annual convention at rip-off prices, but we just don't have the free cash right now to buy our own. Our annual convention has grown to the point where we have to have 'em just to keep functioning. Going to look for someone, or sticking a message up on a cork board just doesn't work when you are dealing with a meeting of 3,000 people, 95/ of them blind. Plus our next convention, in Knoxville, Tennessee, in July, will be spread out between two major hotels!

We are interested in most any kind of used commercial twoway gear, VHF or UHF. We also would be interested in chargers, batteries, cases, spare rubber duckies, etcetera. Just send Fidomail to Vernon Henley, Fido 147/1 and I will get right back to about your donation. Also, be watching down in this direction for a burst of interest in Fido from blind users. Our monthly magazine, the Braille Forum, will soon carry an article about Fido, and there are several other projects in the works. If you or someone you know would like a free subscription, just drop me a line at the same address. You need not be blind to receive the magazine. Please specify large print, cassette or Braille (the cassette requires a special type player that usually only a blind person would have.)

I would be pleased to answer any or all questions concerning ACB or blindness in general for you, your users or their friends, relatives or acquaintances. If I don't know the answer, I usually know someone who does, and I love sending and receiving letters, so please feel free to direct any inquiry this way, no matter how off the wall it might be. (No matter what it is, I've heard it before, probably.) Thanks for your consideration, and ask your boss about those talkies. It might be just the push he finally needs to make the jump to cellular.

> ---Vernon Henley, Fido 147/1 Chair, Board of Publications American Council of the Blind 800-424-8666 (voice)

Call after 5:30 pm Eastern time for a free, pre-recorded update on legislative, administrative and judicial action concerning the blind and handicapped.

Postscript: Vernon Henley, who was setting up a CUSSnet node died recently in a house fire. We will miss him.

### History of FIDOnet by Ken Kaplan, Tom Jennings, Ben Baker

This history was written in February 1985. Since then, FIDO has grown substantially from the 160 nodes to over 1000 nodes in about 10 continents. This edited version is included here to give you some idea of FIDO, its purpose, its founders, and its growth.

This is a long and convoluted document; it has been sorely needed for months now, and it finally got done. FidoNet is growing at a tremendous rate, and newer sysops don't have the information that us oldies (pre Sept 84 sysops) assume everyone knows; hence the history section here.

FidoNet is no longer just a piece of software; it has become complex organism. There are about 160 Fidos in FidoNet right now; this does not include Fidos being run as Bulletin Board only systems, just ones that you can converse with over the net. If the average number of users on each system is 300 people, you can start to guess at the scale of things today.

HISTORY: When FidoNet was first tested, there were two nodes: myself here at Fido #1 in San Francisco, and John Madill at Fido #2 in Baltimore. John and I did all of the testing and development for the first pass at FidoNet. Its purpose: to see if it could be done, merely for the fun of it, like ham radio. It quickly became useful; instead of trying to call each others' boards up to leave messages, or expensive voice phone calls, Fidonet messages became more or less routine.

This was version 7 of Fido sometime in June 84 or so; it did not have routing, file attach, retry control, error handling, cost accounting, log files, or any of the niceties since added. A packet was made, a call placed, the packet transferred, that was it. This was adequate for a month or two, when there were less than 20 nodes.

In August of 84, the number of nodes was approaching 30; the net was becoming clogged, believe it or not. FidoNet wasn't too smart about making calls then. With 30 systems, coordination became difficult; instead of a simple voice phone call to the (very few!) sysops to straighten out problems like modems not answering, wrong numbers, clock problems, etc, it took days to get the slightest problem repaired. There were by now six nodes in St. Louis, and Fido #1 was making separate phone calls for each, when obviously one could be made. Enter the beginnings of routing.

The "original" FidoNet was very simple and friendly; you told me at Fido #1 that you had a FidoNet node ready, I put you in the list, with your phone number, and people called up and downloaded the list; done!

Well ... at first, "everyone knew each other"; we were in more or less constant contact. However, when the node numbers got into the twenties, there were people bringing up FidoNodes who none of us knew. This was good, but it meant we were not in close contact anymore.

The Net started to deteriorate; every single week without fail there was at least one wrong number, usually two. To impress

#### History of FIDOnet, cont.

on you the seriousness of wrong numbers in the node list, imagine you are a poor old lady, who every single night is getting phone calls EVERY TWO MINUTES AT 4:00AM, no one says anything, then hangs up. This actually happened; I would sit up and watch when there was mail that didn't go out for a week or two, and I'd pick up the phòne after dialing, and was left in the embarrassing position of having to explain bulletin boards to an extremely tired, extremely annoyed person.

There were also cases where the new node really wasn't up yet, and the number given was a home phone to be used temporarily, but I'd forget that, and include it in the list anyway. Or the new node wasn't really up yet, and we'd all make calls to it and it would not answer, or worse, the modem would answer but the software wasn't running, and we'd get charged for the call.

This obviously could not go on. We had to have some way to make sure that at least the phone numbers were correct! I started a new policy; before giving out a node number and putting it in the list, I had to receive a FidoNet message from the new node, directly. This verified that at least the new Fido was half way running. At the time, Fido had a provision whereby Fido #1 could set the node number remotely; I'd send a message back, and presto! a new node was up.

Well, this didn't work properly either; at the same time, the Fido software was changing so rapidly, to accommodate all the changes (literally a version a day for a few weeks there) that I was losing new node requests, wrong numbers caused by illegible handwriting, all sorts of problems. Out of laziness I would still assign nodes "word of mouth", and got in the same trouble as before.

The people in St. Louis (Tony Clark, Ben Baker, Ken Kaplan, Jon Wichman, Mike Mellinger) had their local Fidos going strong, and understood what FidoNet did, how it worked, and what it was about. They volunteered to take over the node list, handle new node requests, and leave me with the software. They tightened up on the FidoNet message requirement, and in a few months, had the "error rate" (wrong numbers, etc) down to practically zero, where it is today.

Though I did the programming, Ken Kaplan, Ben Baker, and the crowd in St. Louis did much of the design and most of the testing of routing, forwarding, and local nets. They still remain the experts on the intricacies of routing, and help sysops set up local nets. They also maintain the nodelist, which is a text file containing all the names, phone numbers and other things on each node.

Please keep in mind the entire process, from two nodes to over 50, took only three months! Fifty nodes is more than it sounds; at that level it becomes a large scale project. FidoNet went from about 50 nodes in Sept 84 or so, to the current 160 + in Jan/Feb of 85.

FidoNet today is a network quickly approaching the levels of complexity of commercial networks, and has many more capabilities than many "mini" networks, such as USENET, which has no routing or hosts. Only ARPAnet has some of the features of FidoNet. The southern California local network is three levels deep, with hosts in Orange, LA, Ventura, San Berdino and San Diego counties.

FidoNet is just too large today to run as an informal club. The potential for error is just too high to include numbers at random within the node list. I imagine we are in a predicament today what the radio amateur operators had a number of years ago.

The requirements for new FidoNet nodes are pretty minimal, and they appear to be arbitrary and harsh if you aren't aware of what's going on. This is to spell them out in detail, so everyone will understand the process.

FidoNet'S PURPOSE: Very simple; it is a hobby, a noncommercial network of computer hobbyists ("hackers", in the older, original meaning) who want to play with, and find uses for, packet switch networking. It is not a commercial venture in any way; FidoNet is totally supported by it's users and sysops, and in many ways is similar to ham radio, in that other than a few "stiff" rules, each sysop runs their system in any way they please, for any reason they want.

I hope FidoNet is a bit clearer now; if you have any suggestions, or want to volunteer to help, please let us know. Our only interest is in keeping the node list correct and up to date; this simple list is what ties the entire net together.

## "Virtual Offices" For Management Of The Mental Retardation Program and Their Essential Functions by Gordon C. Krantz, Consultant in Human Services, 8706—134th St. West, Apple Valley, MN 55124 (612) 431-3756.

(Ed Note: I had this article from for about a year, but held off on publication because I felt it pertained to networking and should be a part of this issue. I thank for his patience).

This is a description of what will be needed in order to manage the information and the office functions of a field team deployed by the Minnesota Department of Human Services (was Department of Public Welfare) to manage the statewide mental retardation program, as needed to implement the legislation of 1983.

BACKGROUND CAPSULE: The legislation and the realities that impelled it have given the Department additional responsibilities and additional staff to carry them out. A number of field representatives (Regional Services Specialist, RSSs) will be deployed regionally throughout the state, each dealing with several counties. They will do their work in the field, rather than working in offices with secretaries, and each will be responsible for new state functions in relation to services funded under Title XIX of Social Security, for technical assistance in case management, and for facilitating case management standards and caseload accountability. They will have to have ready access to, and accountability for, information about all the service resources in their areas and (insofar as they will have to access them) statewide.

This is a basic statement about what they will have to have in order to operate in the field, and what central office backing they will need.

BASIC NEEDS: These regional representatives will be without secretarial service for their routine paperwork and correspondence. They will have to be mobile, "Carrying their offices with them." They will have to have records, perhaps spare in content but of many kinds of things (caseloads, agencies, counties, perhaps service vacancies) and they must be capable of accessing specific records and of relating sets of records to each other. They will have to generate reports. They will need to correspond with the home office on a regular basis, and must transfer information to and from the state center.

The state center, itself, will need the capability of transmitting and accessing information used and generated by the field people. Further, it will have to carry out the statewide integration of information, and do the higher-order information management that is not readily portable.

The state center will have additional functions that relate this work to other Department units and sometimes to organizations outside the Department. A salient example of this kind of function is transmittal and receipt of data with the Department's Systems and Data Flow Division.

Finally, it will be necessary to tie the state office and the mobile "virtual" offices into a single, though distributed, entity. This will require ready communication capability.

**MAJOR FUNCTIONS:** The regional field staff of the Department could operate "in the field, out of the office," a familiar mode. More effectively, they could operate "in the field, in a virtual office," a newly possible mode, with full office functions available to them wherever they may be. This requires a portable, automated office that has the functions of record keeping and retrieval, correspondence, telephone communication, information management, and production of reports and

#### "Virtual Offices", cont.

documents. These functions will be discussed here in the language of automated office function, classified into categories described as "software."

Several software capabilities will be needed, either as separate units or in a multi-function package.

WORD PROCESSING will be needed for correspondence, reports, and some notes. In general, most professional people no longer need secretaries for their routine work. They can dictate longer things to a word processing center, but they can personally keyboard correspondence and transmit either hard copy or its phoned electronic equivalent. All common word processor software will do what is needed for this function, when used in a microcomputer. (The professional person who will staff the virtual office must be willing and able to do elementary keyboard work. Since these are new positions, and since this skill is now common among professionals, they can be recruited with this as a requirement.)

A DATA BASE MANAGING SYSTEM will store the several kinds of information that the field people will use, an example being the resource inventory. A data base managing system (DBMS) will allow easy modification, relate data items to each other, and retrieve associated and computed data for inspection or for reports. For this purpose, the DBMS must have these characteristics.

1. Able to take a record with about 100 fields or variables (100 facts about each of the subjects of a file, such as a client). The requirement of 100 fields may be modified if the DBMS will EASILY allow relational or hierarchic data bases that can be merged in processing to achieve the necessary size.

2. Capable of being used by a person who isn't a programmer and will not learn a programming language. If a naive person can run the DBMS<sup>0</sup> + T<sup>0</sup> after a half day of instruction, this is easy enough.

3. (This is desired, but not essential) The DBMS should be able to access data matrixes that are not peculiar to itself. That is, it should be able to use data that were entered by a word processor or by a spreadsheet.

4. (Again not essential, but very much desired) The DBMS should output tabular summaries of the data, especially of raw data converted to interval. And it should be able to produce, in addition to the essential tallies and sums, simple descriptive and statistical summaries.

BULLETIN BOARD capability is essential. In this, instructions and other communication can be entered and stored at the convenience of the sender, and retrieved at the convenience of the receiver. This will facilitate supervision of the field staff as well as the access of field staff to information, and transmission of messages. It is needed to weld the statewide staff into a single entity.

SPREADSHEET software, unlike word processing and data management, is not essential. But is is highly useful, so that the field staff can try out (simulate) options and run situations over time.

SPECIAL PURPOSE capabilities are needed, such as programs to maintain checkbook-like accounts of not only money, but or non-monetary resources such as quotas. This may turn out to be one of the most necessary field functions in the management of statewide resources.

**OPERATING SYSTEMS** The operating system is the program that relates the central part of a computer to its peripherals, such as file storage discs, display screens, and printers for paper output. There are three common choices open here: CP/M, still the de facto standard of microcomputers; Apple DOS, used on the Apple; and the MS-DOS of the IBM personal computer. becoming common is the CP/M 86 operating system for 16-bit machines. Smaller and proprietary operating systems are too easily orphaned to be seriously considered.

The operating system dictates the specific software that can be used. The operating system is entailed in the choice of the hardware, though it is now becoming common for microcomputers to come equipped with more than one operating system. The hardware commits one to a single operating system (except for those microcomputers that offer both CP/M and MS-DOS, or that have upgrades that run CP/M, MS-DOS, and CP/M 86). It would be good if the mental retardation service system could use the same operating system as does the rest of the Department's micros, MSDOS. Most hardware, of course, will require the software to be configured for that particular hardware even if the operating system is one of the three general ones.

If one is transmitting information by phone, the sending and receiving machines need not be identical or even have the same operating system. The problem of incompatibility: is rapidly becoming a pseudo-problem. Because MRPD is a member of a network that can accept input from any common microcomputer and transmit it to any other common computer, all that is required is that text and data files be readable by the same family of software.

HARDWARE All of the foregoing implies that each of the field people will have a portable microcomputer with printer and integral telephone capability. That is precisely what is proposed here, because the system is one of the "information age" office. There are at least 25 portable microcomputers now on the market, most of which would serve the purposes as far as hardware itself is concerned. (There are many additional briefcasesized micros on the market, but none of them is complete with multiple storage, modem, and printer.) Twenty of the portable micros have 64K or more RAM and 204K or more disc storage, a few have built-in printers, just about all of them can drive printers, and most can be linked by phone line (usually, with add-on equipment). The prices range from under \$1,000 to \$9,370, with most between \$1,795 to \$2,500 without a printer or \$2,500 to \$3,500 with printer. They weigh from 10 to 34 pounds, plus peripherals if any.

Fully portable microcomputers have become common within the last year, so that desk-top models are being displaced for even in-office use. Increasingly, portable microcomputers are "IBM-compatible" meaning that they can use software designed for the IBM Personal Computer; at least 16 portables have that compatibility now, some of them incompletely.

The central office in this system needs one or more microcomputers, perhaps a minicomputer, and linkage to the Department's mainframe. This last capability can be foregone initially, until the mainframe is made more capable of remote access; mainframe systems take months or years to set up, while micros can be set up in weeks and a system of several micros can use "cookie-cutter" setup.

THE BOTTOM LINE Clearly, there is now available the technical capability necessary to mobilize virtual offices that are in organic contact with the state office. This would enable them to be truly state offices, and would enable them to function optimally in the modern world. They would, in other words, be at home in the information age.

It is also clear that it is possible to put together the package of hardware, software, and end-user utility that is needed. It may be necessary to compromise with the idealized system. However, the difficulties are not insurmountable or even very great; in the few months since this proposition was first drafted, some fundamentally enabling innovations have become available. In the next few months, perhaps a better set of compromises will be possible, but the essentials are available in time to meet the program schedule.

The cost of equipment to field each virtual office may be as low as \$3,500. But the bottom line is that fully functional, modern virtual offices are now available at reasonable fiscal and human cost.

(Since the foregoing was first drafted, specifications for the system have been drawn up and bids received. Fully adequate systems have been located. The idea of a "virtual office" is feasible of implementation.)

> rev 1/10/84 rev 6/12/84 gck

ADDENDUM 2/14/85: In the summer of 1984, the Department purchased nine Actrix machines with both Z80 and 8088 CPUs. DD/DS disk drives were also installed. They were delivered to field staff with minimal instruction (2 hours!).

We experienced perfectly terrible hardware failures that the vendor's service contractor did not fix with anything like reasonable competence. Several of the disk drives malfunctioned, several modems had to have their tone generators disconnected because they sounded continually, and one printer was disabled by the service of its modern. The paper furnished was too lightweight, resulting in bad print. We found, also, that tractors are really necessary. Then, due to bad State RFP, the wrong word processing software was furnished; six months later, that still hasn't been resolved.

In spite of all those problems, the machines do what they are supposed to do when they are functional. The communications software is very easy to use, though training has not yet been furnished to the field staff on this. The central data base that will be downloaded to the field staff is not yet operational. The main use given to the machines so far is word processing.

If this were done now, the current state of the art could be tapped with smoother results. The main problem remains an administrative one; the management of the system is more critical than its hardware or software, and the Department is unready.

Gordon C. Krantz (now in private practice)

#### SOME SPECIFICATIONS FOR AUTOMATING VIRTU-AL OFFICES

These are some specifications for equipping and structuring the mobile "virtual offices" needed to implement a statewide management system for mental retardation services. They are not in order of any priority.

These specifications are in consideration of the fact that the system must operate in what Giuliano (Scientific American, Sept. 1982) calls the "information age." Giuliano describes three stages in the development of office work: the preindustrial or craft stage; the industrial office (which is essentially a production line); and the information-age office, which "exploits new technology to preserve the values of the preindustrial office while handling a large volume of complex information." Using the illustration of an insurance claims-adjustment office, he says that "Each adjuster mans a work station which is linked to a computer that maintains and continuously updates all client records. Each adjuster can therefore operate as an account manager, handling all operations rather than one repetitive operation for a large number of clients. Necessary action can be taken immediately. Forms are updated and letters written at the same work station that gives access to stored data, and the forms and letters can be printed automatically. The same facilities are available to adjusters visiting a client's home or working in one of the company's field offices. The work is more interesting, service to clients is improved and costs are reduced."

Add to Giuliano's analysis the fact that the technology is changing rapidly, and that possibilities are expanding while physical size and capital costs per unit of equipment (especially per memory unit) are dropping. These, then, are desirable specifications.

FOCUS ON INFORMATION: The work of the division will be that of making information-based decisions, communicating the, negotiating about facts and actions, maintaining audit trails, planning, and monitoring. The focus is not upon "using a computer," because the computer is a tool. The focus is upon information and its management.

FACE TO FACE: The physical presence of the state will be embodied in the field staff. Each person, physically present in the county offices and elsewhere in the field, will have to deal with all aspects of whatever is being done. This precludes the use of the industrial office model. It is just too cumbersome to survive in that environment, on economic grounds alone but also on logistic grounds.

PORTABLE: The field worker can and should literally carry the office in one hand. See the statement elsewhere as to what functions must be carried out by that "Virtual office." Briefly, the functions include communications in paper documents and by electronic mail, the management of files and data, the entry of notes and records, and management of resources. At present, the smallest unit that will perform all the needed functions weighs 33 pounds, and this is marginal as to portability, but the alternatives are much more difficult to transport and set up or are unable to perform the functions alone. As to the portability of records as such, a portable electronic medium can compress 327 records, each of 83 fields, onto one singledensity 5.25 floppy disc. The point of this is that on-the-shelf technology now enables portable "virtual offices" with a reality that can pack a portable office into a 10" x 10" x 16" package, so that portability is no longer a formidable barrier to field mobility of real office functions.

CHEAP: The technology is changing so fast that it is not practical to invest in a system, however good, that is expected to last for a long time. The major capital items must be capable of write-off in no more than two years. That is, it should be practical to "garage sale" or abandon the equipment after using it for just two years or so, without feeling that the investment is so great that more use must be got out of it. In two years, something much better and probably cheaper will be available, and should replace what is acquired now. By "cheap" is meant the purchase of the equipment of a portable office for less than \$3000.

SIMPLE The whole system must be so simple that it can be used by professional people who, with inservice training, will have only those skills that will be common to professional people in the information age. The hardware and software cannot be user-vicious, and cannot require programming skill per se. Typing, at least hunt-and-peck, is reasonable to expect of professionals, and their self-interest will motivate them to be endusers of the now-common electronic media, but they are not generally going to be computer programmers. And even under the surface, the system must be simple. It must be simple enough so that everyone using it can understand it.

SMALL-SCALE Partly on the principle of damagecontainment and partly because large systems build from scratch don't work-for a long time, each functioning element that is free-standing must be a small one. The entire system must work as the result of many self-contained subsystems' working. It must be possible to run the system even if one or more subsystems fails. (Then, as a second step, the small subsystems can be aggregated for some purposes. But only after the small-scale elements work.) This system must work very soon.

DIRECTLY OPERATED: No data-entry staff are envisioned, and no secretaries, in most instances. Minimum duplication of paper and electronics; no drafting out letters and reports for someone else to type, no filling out of paper forms for someone else to use in data entry. This will minimize situations of "Work in progress," because the office will be immediately present and in use by the professional, with rapid call-up of formats and the ability to directly produce documents. The files must be backed up, of course, but by the end users.

LINKABLE: The offices must be capable of direct, interactive communication with the central office and with each other. In practical terms, this means capability to communicate on the telephone as well as by postal mail — data transmission, and electronic mail. The central office must be capable of similar communication with the Departmental mainframe, to the extent that that installation is capable to communicate.

morspecs rev 1/10/84

#### "Virtual Offices", cont.

ADDENDUM 2/15/85: The Actrix machines were purchased, with the following changes from the specs given above:

Software: in view of the fact that the second CPU gives MS-DOS operation, with its ability to share data and text files with the IBM-PC, additional software was ordered —

WordStar: this was ordered to enable use of joint text files with the IBM-PC. Unfortunately, the State RFP specified "WORD-PC," the catalog code for WordStar that is used by the primary vendor. The primary vendor (TeleTerminals) did not bid, and the bidding vendors quite reasonably thought we wanted Word<sup>0</sup> PC, a completely different word processor; so that's what we got. Six months later, the State has not been administratively able to rectify this problem, and the field people make do with a substitute that doesn't trade text with WordStar on the IBM-PC.

DataStar: this was ordered as the data base manager because of its own merits, its command compatibility with WordStar, and its ability to trade data file with the IBM-PC.

Staff training: the field staff got only 2 hours of instruction on the machine before going forth, and several of them also got a field visit from me. We plan a second session this month, focus upon use of the communication software.

Administrative backup: the Department hired a hardware/software specialist only last month, six months after the system was fielded; his duties do not include backup to the field staff, nor training in their use of the Actrix. The central office data files and bulletin board, with which the field offices were to interact, do not exist and do not have appreciable resources allocated to their development. The supervisor of the field staff has been assigned an overload of duties, including imminent transfer to another job in the Department, and does not interact with the field staff via electronic media for evidently those reasons. The duties of the field staff have been so structured as to impel only minimal use of the portable computers. Finally, the Systems Division has no evident interest in facilitating the success of the virtual office, and expresses mostly disapproval of it; their interests are against the use of free-standing information management.

My conclusion is that the concept of the virtual office was sound only if it had been fully accepted. It was a mistake to actually implement it under the circumstances that prevailed and that continue to prevail. Another unforeseen insoluble (beyond lack of administrative support and absence of Divisionlevel technical supervision) was the astonishingly bad dealer support, specifically the incompetent repair work that was done under warranty. In the private sector, the warranty would simply be run out and/or action taken against the vendor, and then some on-staff electronic handyman would be set to work fixing things. The State doesn't work that way. And no private sector organization would buy a system and then not support it, but this is the State, where obstructionism is tolerated and indifference has no penalty. So: I now think, with 20/20 hindsight, that I should have taken note of the administrative indifference and the well-placed hostilities, and recommended against the virtual office in this setting. Since the system is there, and since its utilities are still both needed and possible, at least minimal support should be given to it now. As was proposed from the first, it should be amortized by mid-1986 and replaced with a more up-to-date system.

#### Gordon Krantz

(now no longer a state employee, and speaking freely) 2/15/85

## FIDONET Nodelist as of 11 July 86

Consider the following list the FIDONET equivalent of your telephone directory. Since this list is updated weekly, some of the information below may be outdated. So, do not call a number below late at night until you know for sure that it is still a FIDONET number. This list is automatically produced by FIDO each week. This list is organized by Fidonet region, net and node. A listing by state/city is not available.

Type	No. Board's Name	Phone Number	Baud		26 Sleeping Dogs	1-209-454-8229	2400
	SysOp	City	*Flags		Bob Robesky	Fresno CA	WK:5p-8a,WE:
	clech	c.r.y	, lago		31 GENESIS BBs	1-209-732-7204	1200
REGION	1 Int'i FNet Assn	1-314-576-2743	2400		Ray Means	Visalia CA	1200
nLaion	Ken Kaplan	St Louis MO	XP:		32 KRUG-Net	1-209-638-7865	1200
	1 FidoNews	1-201-472-8065	2400		Steve Deschenes	Reedley CA	WK:6p-10a,WE:
	Thom Henderson	Clifton NJ	MO:,XP:		425 RSVP BBS	1-415-659-9169	1200
	10 FIDO CONF COORD	1-303-596-6232	2400		Jim Thomas	Fremont CA	1.000
	George Wing	Colorado Spgs CO	XP:		616 Surf Board	1-415-726-9659	1200
	98 Fido BUG's WEST	1-602-235-9653	2400		Trippy Wilson	Half Moon Bay CA	
	David Dodell	Phoenix AZ	MO: XP:		.,,,		
	99 Fido BUG's EAST	1-201-284-2198	1200	HOST	102 SOCALNET	1-213-874-9484	2400
	Mary Shelton	Clifton NJ	WK:5p-7a,WE:		Richard Martz	Los Angeles CA	XP:
	100 IBM HELP	1-201-249-1898	2400		101 Rainbow Data	1-213-204-2996	2400
	Gee Wong	E Brunswick NJ	XP:		Don Brauns	Culver City CA	2100
	101 DEC RB HELP	1-312-759-5402	2400		106 Third World	1-213-733-7059	2400
	Rob Elliott	Bolingbrook IL	2400		Chuma Agbodike	Los Angeles CA	2400
	102 SANYO HELP	1-316-343-8028	2400		116 PrgrmrXchange	1-818-281-7586	2400
			2400				2400
	EJ McKernan	Emporia KS	1000		Peter Chow	Monterey Park CA	0100
	103 Netware HELP	1-405-947-7294	1200		112 W Hllywd GBBS	1-213-874-9484	2400
	Kurt Vanderwater	Okla City OK			Richard	W Hollywood CA	XP:
	104 Multilink HELP	1-513-579-2587	2400		109 Rainbow Brite	1-213-644-1963	2400
	Allen Miller	Cincinnati OH			Bruce Headley	Hawthorne CA	
	105 DoubleDOS HELP	1-516-246-3689	2400		451 The Meadows	1-213-337-0206	1200
	David Melnik	Stoney Brook NY			Robert Johnson	Inglewood CA	
	106 PC Jr HELP	1-615-226-6628			110 Long IslandRB	1-213-370-4113	2400
	Bruce Fugua	Nashville TN			George Dahlco	Los Angeles CA	
	107 Routing HELP	1-618-251-2169	2400		111 Beach City RB	1-213-376-9567	2400
	Ben Baker	So Roxana IL	XP:		Dan Tanna	Redondo Beach CA	2.00
	108 Modern HELP EAST	1-203-878-6355	2400		104 King James II	1-213-618-8454	2400
	Jim Ryan	Milford CT	2400		Glenn Bowes	Torrance CA	DA:10p-4p
	109 Tandy HELP	1-206-527-5618	1200		102 The 32nd Fido	1-213-402-6217	1200
	Neal Curtin	Seattle WA	1200			Artesia CA	1200
			0400		George Gilbert		2400
	110 Modem HELP WEST		2400		105 HP Users Club	1-213-498-1546	
	Juan Jimenez	Newport Beach CA	0.400		Dick Habegger	Signal Hill CA	MO:
	111 SEAdog HELP	1-302-764-7522	2400		192 MicroBBS	1-213-598-8495	2400
	Bob Klahn	Wilmington DE	XP:		Doug Coatney	Alamitos CA	
REGION	10 Calif Nevada	1-209-454-8229	2400		115 Machinedo	1-213-548-3546	2400
	Bob Robesky	CANV	WK:5p-8a,WE:		Barry Dobyns	San Pedro CA	
	6 Turbo Fido	1-916-481-9557	2400		108 Sanyos Friend	1-213-207-3295	2400
	Rod Cole	Carmichael CA			Sean-Michael Connor	Los Angeles CA	
	7 Programmer's WB	1-916-487-3428	1200		107 CompuMart	1-213-829-3623	2400
	Tim Grogan	Sacramento CA	DA:2a-8p		Andy Takahashi	Santa Monica CA	DA:8p-8a
	init Glogan	odorumonto OA	Dritte op		ring fanandom	ountermoniou on	Drittop da

HOST

HOST

HOST

113 Rainbow West 1-213-305-8303 2400 Los Angeles CA 1-805-499-8378 Thousand Oaks CA Jay Rosenberg MO 601 1000Oaks Fido 2400 Garv Vedvik 602 Com-Trics 1-805-522-4211 2400 Gregg Cassity 701 OberonSystems Simi CA 1-805-643-0982 2400 Scott Johnson Ventura CA 1-818-782-6366 Van Nuys CA 1-818-893-8736 901 The DawgHouse 2400 Bill Bogartz 903 Sports Talk 1200 Mike Ben-Ari 904 The Interface N Hollywood CA 1-818-609-8954 MO 2400 Tim Brown Northridge CA 1-818-896-8602 Mission Hills CA 2400 905 Vanguard Dennis Sullivan 902 Light Artists 1-818-985-0541 2400 Gerald Lehtola N Hollywood CA 1-818-354-7659 XP: 801 Hovercraft 1200 Jeff Skaletsky 802 CAD n MOUSE Altadena CA 1-818-249-5120 2400 Steve Wilson LaCresenta CA 1301 Surf BBS 1-805-736-8714 2400 Lompoc CA Steve Jordan 1-714-537-7355 Garden Grove CA 103 Orange Co CA 2400 Mike Hamilton 201 Mikes C-Board 1-619-722-8724 2400 Mike Elkins Oceanside CA 1-619-940-0844 202 ByteLightning Dennis Yourchisin 1200 Vista CA 1-619-741-3412 203 Alpo Net Mark Petersen 2400 Escondido CA 204 EDI Hotline 1-619-471-0684 2400 Oceanside CA 1-619-438-5256 Jeff Smith 205 Goat Net West 2400 La Costa CA James Hayden 1-619-488-2116 2400 DA:7a-7p.RE: 301 SD RainbowLUG San Diego CA **Rick Eliopoulos** 401 HamRadioWest 1-714-681-0731 2400 Riverside CA 1-714-537-7355 Garden Grove CA 1-714-847-5025 John Warren 501 King James RB Mike Hamilton 2400 RE 2400 502 Take-A-Byte Robert Collins Anaheim CA 505 Music Term #1 1-714-545-5768 1200 Michael David 507 Horton Net Santa Ana CA 1-714-751-5948 1200 Larry Munson 508 Medic Santa Ana CA 1-714-964-0454 1200 Huntington Bch CA 1-714-645-7747 Phil St Erne MD 509 ConservEnergy 1200 Costa Mesa CA **Rick Ellis** 510 Toshiba T-Net 1-714-581-7600 2400 Bob Stillwell 511 DataFlex BBS Tustin CA 1-714-675-7106 2400 Newport Beach CA Juan Jimenez 1-714-524-9326 Orange CA 1-714-774-7860 512 Music Term #2 Marc Gohres 1200 514 AnaHUG Fido 2400 John Secor Anaheim CA 1-714-957-0142 515 SmorgasBoard 2400 Mike Rickey Costa Mesa CA 516 Computrends Richard Clark 1-714-856-1029 Irvine CA 1200 WK:6p-9a,WE: 517 Port A Fido -714-633-2481 2400 Orange CA 1-714-733-0288 Irvine CA 1-714-638-2298 **Bill Heaton** 520 Sunset Bar 2400 Kenny Posey 521 F.O.G. 2400 Jim Ward Garden Grove CA 522 Laguna Xroads 1-714-494-5272 1200 Jay Christy 523 PICO FIDO Laguna Beach CA 1-714-772-8295 1200 **Bob Stillwell** Tustin CA 1-714-773-8818 WE:8p-6a 524 Beckman Instrmnts Mike Kearney 1200 Fullerton CA 1-714-731-1039 Tustin CA 1200 525 AAPIS Kevin Klop 528 Irvine Software 1-714-551-0565 Irvine CA 1200 **Rick Ray** 1-714-647-0746 1200 529 Believers Hotline Santa Ana CA 1-714-550-0319 Allen Jensen 530 Trixxx 1200 Randy Snell 602 House Atreides Santa Ana CA 1-818-965-7220 1200 George Clayton **Rowland Heights CA** 119 ChicoNet 1-916-893-9019 1200 Doug Boone Chico CA 1-916-893-9019 1200 5 Lazarus Doug Boone Chico CA 125 SF Bay Net 1-415-776-7228 1200 San Francisco CA 1-415-661-7374 Bruce Ong 2400 2 MacQueue Leo LaPorte San Francisco CA 1-415-355-6047 Pacifica CA **3** Fantasy Factory 1200 Ev Cheney 7 Survival Communicati 1-707-545-0746 1200 Don Kulha Santa Rosa CA

	8 Thrasher Magazine BB	1-415-822-5630	1200
	Chauf Fer	San Francisco	WK:5p-9a,WE:
	14 Cold Moon With Singl	1-415-668-6101	1200
	Joseph Puig	San Francisco	
	21 MacQueue II	1-415-753-3002	2400
	Leo LaPorte 321 Well Tempered BBS	San Francisco CA 1-415-239-4979	1200
	Mark Budig	San Bruno CA	1200
	371 ModiFido	1-415-282-2366	1200
	Ezra Shapiro	San Francisco CA	
	406 KLOK-FM BBS	1-415-788-3907	1200
	Tim Pozar	San Francisco CA	WK:8p-8a,W-
		1 115 770 7000	E:RE:
	433 Skateboard	1-415-776-7228 Son Franciana CA	1200
	Bruce Ong 448 Bernal Bears Board	San Francisco CA 1-415-648-3014	1200
	Bernal Bear	San Francisco CA	1200
	612 *SuperResume*	1-415-546-0119	1200
	Lee Johnson	San Francisco CA	
	625 BAVUG I	1-415-635-4747	1200
	Franz Hirner	Oakland CA	WK:6p-6a,WE:
	666 The Bear's Den	1-415-550-2445	1200
	Bernal Bear	San Francisco CA	
HOST	143 Silicon Valley	1-408-972-8164	1200
11001	Robert E Spivack	San Jose CA	1200
	3 Spiv's Fido	1-408-972-8164	1200
	Robert E Spivack	San Jose CA	
	4 CompuCruise	1-408-986-1285	1200
	Greg Harris	San Jose CA	
	5 Collinwood	1-408-247-2080	2400
	Dan Lehtola	San Jose CA	DA:11p-7a,RE:
	9 C Ware Tech	1-408-720-8197 Supply/20-8197	1200
	Ken Fuiks 10 KA6S BBS	Sunnyvale CA 1-408-262-5174	DA:2p-10a 1200
	Steve Wilson	Milpitas CA	1200
	13 Vern's Fido	1-408-274-1427	2400
	Vern Crawford	San Jose CA	
	14 Potpourri	1-408-263-9497	1200
	Robert Field	Milpitas CA	0.00
	15 Information Retrieva	1-408-987-8870	1200
	John Reese	San Jose CA	WK:5p-8a,WE:
	20 Mindset BBS	1-408-737-3362	1200
	Andrew Soderberg 22 P-CAD's Board	Sunnyvale CA 1-408-279-4908	2400
	Bruce Fihe	San Jose CA	RE:
	23 The Flying Fido	1-408-946-3183	1200
	Bill Dunn	Milpitas CA	
	24 NUG Board	1-408-993-2209	1200
	Charlene Rose	San Jose CA	
	25 PC Resources Inc	1-408-243-4169	1200
	Tom Hall	Santa Clara CA	DA:8p-7a,RE:
	26 Commsoft BBS Ken Whitaker	1-415-967-6730 Mountain View CA	2400
	27 Looneybin	1-408-293-7894	1200
			1200
	Todd Looney	San Jose CA	
	Todd Looney 28 No Name Yet BBS	San Jose CA 1-408-734-8632	1200
	Todd Looney 28 No Name Yet BBS Ron Hudson		1200
	Todd Looney 28 No Name Yet BBS Ron Hudson	1-408-734-8632 San Jose CA	
HOST	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio	1-408-734-8632 San Jose CA 1-805-947-4357	2400
HOST	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA	2400 MO:,XP:
HOST	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174	2400
HOST	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA	2400 MO:,XP:
	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA	2400 MO:,XP: 1200
HOST	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504	2400 MO:,XP:
	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA	2400 MO:,XP: 1200
	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA	2400 MO:,XP: 1200 2400 2400
	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2504 Concord CA 1-415-672-2505	2400 MO:,XP: 1200 2400
	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA	2400 MO;,XP: 1200 2400 2400 2400
	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido	1-408-734-8632 San Jose CA 1-805-947-4357 Paimdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-916-441-5654	2400 MO:,XP: 1200 2400 2400
	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido Jim Ewald	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-916-441-5654 Sacramento CA	2400 MO:,XP: 1200 2400 2400 2400 2400
	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido Jim Ewald 9 Info Dispatcher	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-916-441-5654 Sacramento CA 1-916-682-5970	2400 MO;,XP: 1200 2400 2400 2400
	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido Jim Ewald 9 Info Dispatcher Kwok Lam	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-916-441-5654 Sacramento CA	2400 MO:,XP: 1200 2400 2400 2400 2400
	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido Jim Ewald 9 Info Dispatcher	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-916-441-5654 Sacramento CA 1-916-682-5970 Sacramento CA	2400 MO:,XP: 1200 2400 2400 2400 2400 1200
	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido Jim Ewald 9 Info Dispatcher Kwok Lam 30 Hackers Connection Jim Jenkins 33 Back Door BBS	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-916-682-5970 Sacramento CA 1-916-682-5970 Sacramento CA 1-209-946-0833 Stockton CA	2400 MO:,XP: 1200 2400 2400 2400 2400 1200
	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido Jim Ewald 9 Info Dispatcher Kwok Lam 30 Hackers Connection Jim Jenkins 33 Back Door BBS Randall Fox	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-916-441-5654 Sacramento CA 1-916-682-5970 Sacramento CA 1-209-946-0833 Stockton CA	2400 MO;,XP: 1200 2400 2400 2400 1200 1200 2400
	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido Jim Ewald 9 Info Dispatcher Kwok Lam 30 Hackers Connection Jim Jenkins 33 Back Door BBS Randall Fox 613 Rainbo Works	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-415-672-2505 Concord CA 1-916-441-5654 Sacramento CA 1-209-967-0349 Stockton CA 1-209-957-0949 Stockton CA 1-209-952-1002	2400 MO:,XP: 1200 2400 2400 2400 2400 1200 1200
	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido Jim Ewald 9 Info Dispatcher Kwok Lam 30 Hackers Connection Jim Jenkins 33 Back Door BBS Randall Fox 613 Rainbo Works Andre Coltrin	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-916-441-5654 Sacramento CA 1-916-682-5970 Sacramento CA 1-209-946-0833 Stockton CA 1-209-957-0949 Stockton CA 1-209-832-1002 Manteca CA	2400 MO;,XP: 1200 2400 2400 2400 1200 1200 2400 2400
	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido Jim Ewald 9 Info Dispatcher Kwok Lam 30 Hackers Connection Jim Jenkins 33 Back Door BBS Randall Fox 613 Rainbo Works Andre Coltrin 521 Satore Center	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-916-41-16554 Sacramento CA 1-916-682-5970 Sacramento CA 1-209-946-0833 Stockton CA 1-209-957-0949 Stockton CA 1-209-832-1002 Manteca CA 1-415-647-8528	2400 MO;,XP: 1200 2400 2400 2400 1200 1200 2400 2400
	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido Jim Ewald 9 Info Dispatcher Kwok Lam 30 Hackers Connection Jim Jenkins 33 Back Door BBS Randall Fox 613 Rainbo Works Andre Coltrin 521 Satore Center Mike Kelleher	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-916-642-5970 Sacramento CA 1-916-682-5970 Sacramento CA 1-209-946-0833 Stockton CA 1-209-957-0949 Stockton CA 1-209-937-0949 Stockton CA 1-209-832-1002 Manteca CA 1-415-647-8528 San Francisco CA	2400 MC;,XP: 1200 2400 2400 2400 2400 1200 1200 2400 24
	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido Jim Ewald 9 Info Dispatcher Kwok Lam 30 Hackers Connection Jim Jenkins 33 Back Door BBS Randall Fox 613 Rainbo Works Andre Coltrin 521 Satore Center	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-916-41-16554 Sacramento CA 1-916-682-5970 Sacramento CA 1-209-946-0833 Stockton CA 1-209-957-0949 Stockton CA 1-209-832-1002 Manteca CA 1-415-647-8528	2400 MO;,XP: 1200 2400 2400 2400 1200 1200 2400 2400
	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido Jim Ewald 9 Info Dispatcher Kwok Lam 30 Hackers Connection Jim Jenkins 33 Back Door BBS Randall Fox 613 Rainbo Works Andre Coltrin 521 Satore Center Mike Kelleher 594 Dog Lab	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-916-441-5654 Sacramento CA 1-916-682-5970 Sacramento CA 1-209-946-0833 Stockton CA 1-209-957-0949 Stockton CA 1-209-937-0949 Stockton CA 1-209-832-1002 Manteca CA 1-415-564-7851	2400 MO;,XP: 1200 2400 2400 2400 1200 1200 2400 2400
	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido Jim Ewald 9 Info Dispatcher Kwok Lam 30 Hackers Connection Jim Jenkins 33 Back Door BBS Randall Fox 613 Rainbo Works Andre Coltrin 521 Satore Center Mike Kelleher 594 Dog Lab Bruce Oblander 93 ThelemaNet Josh Gordon	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-916-441-5654 Sacramento CA 1-916-682-5970 Sacramento CA 1-209-946-0833 Stockton CA 1-209-957-0949 Stockton CA 1-209-937-0949 Stockton CA 1-209-832-1002 Manteca CA 1-415-547-8528 San Francisco CA 1-415-548-0163 Berkeley CA	2400 MO;,XP: 1200 2400 2400 2400 2400 1200 1200 2400 24
	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido Jim Ewald 9 Info Dispatcher Kwok Lam 30 Hackers Connection Jim Jenkins 33 Back Door BBS Randall Fox 613 Rainbo Works Andre Coltrin 521 Satore Center Mike Kelleher 594 Dog Lab Bruce Oblander 93 ThelemaNet Josh Gordon 5 T-1000	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-916-41-5654 Sacramento CA 1-916-682-5970 Sacramento CA 1-209-946-0833 Stockton CA 1-209-946-0833 Stockton CA 1-209-957-0949 Stockton CA 1-209-832-1002 Manteca CA 1-415-647-8528 San Francisco CA 1-415-594-0781 Belmont CA 1-415-548-0163 Berkeley CA	2400 MC;,XP: 1200 2400 2400 2400 2400 1200 1200 2400 24
	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido Jim Ewald 9 Info Dispatcher Kwok Lam 30 Hackers Connection Jim Jenkins 33 Back Door BBS Randall Fox 613 Rainbo Works Andre Coltrin 521 Satore Center Mike Kelleher 594 Dog Lab Bruce Oblander 93 ThelemaNet Josh Gordon 5 T-1000 Ron Cunningham	1-408-734-8632 San Jose CA 1-805-947-4357 Paimdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-916-441-5654 Sacramento CA 1-916-682-5970 Sacramento CA 1-209-946-0833 Stockton CA 1-209-946-0833 Stockton CA 1-209-946-0833 Stockton CA 1-209-946-0833 Stockton CA 1-209-946-0833 Stockton CA 1-209-946-0833 Stockton CA 1-209-946-0833 Stockton CA 1-209-946-0833 Stockton CA 1-209-946-0833 Stockton CA 1-209-832-1002 Manteca CA 1-415-547-8528 San Francisco CA 1-415-548-0163 Berkeley CA 1-415-799-5719 Rodeo CA	2400 MC;,XP: 1200 2400 2400 2400 1200 1200 2400 2400
	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido Jim Zenkins 30 Hackers Connection Jim Jenkins 33 Back Door BBS Randall Fox 613 Rainbo Works Andre Coltrin 521 Satore Center Mike Kelleher 594 Dog Lab Bruce Oblander 93 ThelemaNet Josh Gordon 5 T-1000 Ron Cunningham 509 Enterprize	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-916-682-5970 Sacramento CA 1-916-682-5970 Sacramento CA 1-209-957-0949 Stockton CA 1-209-957-0949 Stockton CA 1-209-957-0949 Stockton CA 1-209-957-0949 Stockton CA 1-209-952-1002 Manteca CA 1-415-647-8528 San Francisco CA 1-415-594-0781 Belmont CA 1-415-784-0163 Berkeley CA 1-415-798-5719 Rodeo CA	2400 MO;,XP: 1200 2400 2400 2400 2400 1200 1200 2400 24
	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido Jim Zenkins 30 Hackers Connection Jim Jenkins 33 Back Door BBS Randall Fox 613 Rainbo Works Andre Coltrin 521 Satore Center Mike Kelleher 594 Dog Lab Bruce Oblander 93 ThelemaNet Josh Gordon 5 T-1000 Ron Cunningham 509 Enterprize	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-916-41-15654 Sacramento CA 1-916-682-5970 Sacramento CA 1-209-946-0833 Stockton CA 1-209-946-0833 Stockton CA 1-209-957-0949 Stockton CA 1-209-832-1002 Manteca CA 1-415-548-0163 Belmont CA 1-415-548-0163 Berkeley CA 1-415-758-1650 Pinole CA	2400 MO;,XP: 1200 2400 2400 2400 1200 1200 2400 2400
	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido Jim Ewald 9 Info Dispatcher Kwok Lam 30 Hackers Connection Jim Jenkins 33 Back Door BBS Randall Fox 613 Rainbo Works Andre Coltrin 521 Satore Center Mike Kelleher 594 Dog Lab Bruce Oblander 93 ThelemaNet Josh Gordon 5 T-1000 Ron Cunningham 509 Enterprize Garry Lapides 777 The bug's Net HP	1-408-734-8632 San Jose CA 1-805-947-4357 Paimdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-415-672-2505 Concord CA 1-916-441-5654 Sacramento CA 1-916-682-5970 Sacramento CA 1-209-946-0833 Stockton CA 1-209-946-0833 Stockton CA 1-209-946-0833 Stockton CA 1-209-937-0949 Stockton CA 1-209-932-1002 Manteca CA 1-415-548-0163 Berkeley CA 1-415-789-6719 Rodeo CA 1-415-789-6719 Rodeo CA 1-415-788-1650 Pinole CA 1-415-788-1650 Pinole CA	2400 MC;,XP: 1200 2400 2400 2400 2400 1200 1200 2400 24
	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido Jim Zenkins 30 Hackers Connection Jim Jenkins 33 Back Door BBS Randall Fox 613 Rainbo Works Andre Coltrin 521 Satore Center Mike Kelleher 594 Dog Lab Bruce Oblander 93 ThelemaNet Josh Gordon 5 T-1000 Ron Cunningham 509 Enterprize	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-916-41-15654 Sacramento CA 1-916-682-5970 Sacramento CA 1-209-946-0833 Stockton CA 1-209-946-0833 Stockton CA 1-209-957-0949 Stockton CA 1-209-832-1002 Manteca CA 1-415-548-0163 Belmont CA 1-415-548-0163 Berkeley CA 1-415-758-1650 Pinole CA	2400 MO;,XP: 1200 2400 2400 2400 1200 1200 2400 2400
HOST	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido Jim Ewald 9 Info Dispatcher Kwok Lam 30 Hackers Connection Jim Jenkins 33 Back Door BBS Randall Fox 613 Rainbo Works Andre Coltrin 521 Satore Center Mike Kelleher 594 Dog Lab Bruce Oblander 93 ThelemaNet Josh Gordon 5 T-1000 Ron Cunningham 509 Enterprize Garry Lapides 777 The bug's Net HP	1-408-734-8632 San Jose CA 1-805-947-4357 Paimdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-415-672-2505 Concord CA 1-916-441-5654 Sacramento CA 1-916-682-5970 Sacramento CA 1-209-946-0833 Stockton CA 1-209-946-0833 Stockton CA 1-209-946-0833 Stockton CA 1-209-937-0949 Stockton CA 1-209-932-1002 Manteca CA 1-415-548-0163 Berkeley CA 1-415-789-6719 Rodeo CA 1-415-789-6719 Rodeo CA 1-415-788-1650 Pinole CA 1-415-788-1650 Pinole CA	2400 MC;,XP: 1200 2400 2400 2400 2400 1200 1200 2400 24
HOST	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido Jim Ewald 9 Info Dispatcher Kwok Lam 30 Hackers Connection Jim Jenkins 33 Back Door BBS Randall Fox 613 Rainbo Works Andre Coltrin 521 Satore Center Mike Kelleher 594 Dog Lab Bruce Oblander 93 ThelemaNet Josh Gordon 5 T-1000 Ron Cunningham 509 Enterprize Garry Lapides 777 The bug's Net HP John Buginas 11 Central Rob Elliott	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-916-41-5654 Sacramento CA 1-916-682-5970 Sacramento CA 1-916-682-5970 Sacramento CA 1-919-946-0833 Stockton CA 1-209-937-0949 Stockton CA 1-209-937-0949 Stockton CA 1-209-937-0949 Stockton CA 1-209-937-0949 Stockton CA 1-209-937-0949 Stockton CA 1-209-937-0949 Stockton CA 1-209-832-1002 Manteca CA 1-415-548-0163 Berkeley CA 1-415-548-0163 Berkeley CA 1-415-758-1650 Pinole CA 1-415-236-1823 Richmond CA	2400 MC;,XP: 1200 2400 2400 2400 1200 1200 2400 2400
HOST	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 3 River City Fido Jim Ewald 9 Info Dispatcher Kwok Lam 30 Hackers Connection Jim Jenkins 33 Back Door BBS Randall Fox 613 Rainbo Works Andre Coltrin 521 Satore Center Mike Kelleher 594 Dog Lab Bruce Oblander 93 ThelemaNet Josh Gordon 5 T-1000 Ron Cunningham 509 Enterprize Garry Lapides 777 The bug's Net HP John Buginas 11 Central Rob Elliott 102 LawBoard Fido	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-415-672-2505 Concord CA 1-916-41-5654 Sacramento CA 1-916-682-5970 Sacramento CA 1-916-682-5970 Sacramento CA 1-209-946-0833 Stockton CA 1-209-946-0833 Stockton CA 1-209-932-1002 Manteca CA 1-415-647-8528 San Francisco CA 1-415-549-0781 Belmont CA 1-415-549-0781 Berkeley CA 1-415-759-5719 Rodeo CA 1-415-236-1823 Richmond CA 1-312-759-5402 IL IN KY MI OH WI 1-217-352-6118	2400 MO;,XP: 1200 2400 2400 2400 1200 1200 2400 2400
HOST	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido Jim Ewald 9 Info Dispatcher Kwok Lam 30 Hackers Connection Jim Jenkins 33 Back Door BBS Randall Fox 613 Rainbo Works Andre Coltrin 521 Satore Center Mike Kelleher 594 Dog Lab Bruce Oblander 93 ThelemaNet Josh Gordon 5 T-1000 Ron Cunningham 509 Enterprize Garry Lapides 777 The bug's Net HP John Buginas 11 Central Rob Elliott 102 LawBoard Fido Fred Grosser	1-408-734-8632 San Jose CA 1-805-947-4357 Paimdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-916-441-5654 Sacramento CA 1-916-682-5970 Sacramento CA 1-209-946-0833 Stockton CA 1-209-946-0833 Stockton CA 1-209-946-0833 Stockton CA 1-209-946-0833 Stockton CA 1-209-937-0949 Stockton CA 1-209-932-1002 Manteca CA 1-415-547-8528 San Francisco CA 1-415-548-0163 Berkeley CA 1-415-758-1650 Pinole CA 1-415-758-1650 Pinole CA 1-415-236-1823 Richmond CA 1-312-759-5402 IL IN KY MI OH WI 1-217-352-6118 Champaign IL	2400 MC;,XP: 1200 2400 2400 2400 2400 1200 1200 2400 24
HOST	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido Jim Ewald 9 Info Dispatcher Kwok Lam 30 Hackers Connection Jim Jenkins 33 Back Door BBS Randall Fox 613 Rainbo Works Andre Coltrin 521 Satore Center Mike Kelleher 594 Dog Lab Bruce Oblander 93 ThelemaNet Josh Gordon 5 T-1000 Ron Cunningham 509 Enterprize Garry Lapides 777 The bug's Net HP John Buginas 11 Central Rob Elliott 102 LawBoard Fido Fred Grosser 103 ConreseWare	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-415-672-2505 Concord CA 1-916-441-5654 Sacramento CA 1-916-682-5970 Sacramento CA 1-209-957-0949 Stockton CA 1-209-957-0949 Stockton CA 1-209-932-1002 Manteca CA 1-209-932-1002 Manteca CA 1-415-547-8528 San Francisco CA 1-415-548-0163 Belmont CA 1-415-758-1650 Pinole CA 1-415-758-1650 Pinole CA 1-415-759-5402 IL IN KY MI OH WI 1-217-352-6118 Champaign IL 1-217-352-6118	2400 MO;,XP: 1200 2400 2400 2400 2400 1200 1200 2400 2400 2400 2400 XP 2400 XP 2400 2
HOST	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido Jim Ewald 9 Info Dispatcher Kwok Lam 30 Hackers Connection Jim Jenkins 33 Back Door BBS Randall Fox 613 Rainbo Works Andre Coltrin 521 Satore Center Mike Kelleher 594 Dog Lab Bruce Oblander 93 ThelemaNet Josh Gordon 5 T-1000 Ron Cunningham 509 Enterprize Garry Lapides 777 The bug's Net HP John Buginas 11 Central Rob Elliott 102 LawBoard Fido Fred Grosser 103 CourseWare Tom Scaefges	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-415-672-2505 Concord CA 1-916-441-5654 Sacramento CA 1-916-682-5970 Sacramento CA 1-916-682-5970 Sacramento CA 1-209-946-0833 Stockton CA 1-209-946-0833 Stockton CA 1-209-946-0833 Stockton CA 1-209-932-1002 Manteca CA 1-415-647-8528 San Francisco CA 1-415-549-0781 Belmont CA 1-415-549-0781 Berkeley CA 1-415-758-1650 Pinole CA 1-415-236-1823 Richmond CA 1-312-759-5402 IL IN KY MI OH WI 1-217-352-6118 Champaign IL	2400 MO;,XP: 1200 2400 2400 2400 2400 1200 1200 2400 200 2
HOST	Todd Looney 28 No Name Yet BBS Ron Hudson 156 Packet Radio Dan Taylor 4 KA6S BBS Steve Wilson 161 SF EAST BAY/VALLEY Butch Walker 1 TBLUG1 FIDO Butch Walker 2 TBLUG2 FIDO Butch Walker 8 River City Fido Jim Ewald 9 Info Dispatcher Kwok Lam 30 Hackers Connection Jim Jenkins 33 Back Door BBS Randall Fox 613 Rainbo Works Andre Coltrin 521 Satore Center Mike Kelleher 594 Dog Lab Bruce Oblander 93 ThelemaNet Josh Gordon 5 T-1000 Ron Cunningham 509 Enterprize Garry Lapides 777 The bug's Net HP John Buginas 11 Central Rob Elliott 102 LawBoard Fido Fred Grosser 103 ConreseWare	1-408-734-8632 San Jose CA 1-805-947-4357 Palmdale CA 1-408-262-5174 Milpitas CA 1-415-672-2504 Concord CA 1-415-672-2505 Concord CA 1-415-672-2505 Concord CA 1-916-441-5654 Sacramento CA 1-916-682-5970 Sacramento CA 1-209-967-0949 Stockton CA 1-209-937-0949 Stockton CA 1-209-932-1002 Manteca CA 1-209-932-1002 Manteca CA 1-415-547-8528 San Francisco CA 1-415-548-0163 Belmont CA 1-415-758-1650 Pinole CA 1-415-758-1650 Pinole CA 1-415-759-5402 IL IN KY MI OH WI 1-217-352-6118 Champaign IL 1-217-352-6118	2400 MO;,XP: 1200 2400 2400 2400 2400 1200 1200 2400 2400 2400 2400 XP 2400 XP 2400 2

20

	Li Houchst, cont.						
	301 Fido-Racer	1-502-762-3140	1200	-	13 Tony's Corner	1-313-754-1131	2400
	Bill Allbritten 601 Old Frog	Murray KY 1-715-362-3895	2400		Tony-Bauman	Warren MI	
	Ryugen Fisher	Rhinelander WI	2400		14 Genesis II Robert Numerick	1-313-291-2520 Taylor MI	1200
					16 Milliways	1-313-553-9274	2400
HOST	108 CINCINNATI Area Allen Miller	1-513-579-2587	2400		Matt Weisberg	FrmingtonHills MI	0.100
	10 Allen's Board	Cincinnati OH 1-513-579-2587	2400		17 P-1 Fido Mike Bader	1-313-545-1931 Ferndale MI	2400
	Allen Miller	Cincinnati OH			19 The Matrix	1-313-884-4966	1200
	15 Lotus Land	1-513-829-5811	2400		John Franzem	Grosse Pointe MI	0.100
	Dan Woods 20 MAC-Cincinnati	Cincinnati OH 1-606-341-4747	2400		20 Walksoft Don Walker	1-313-435-9905 Troy MI	2400 RE:7PM-8A-
	Dave Schleper	Cincinnati OH	2400		Bon Walker	noy wit	M,WE
	25 EDS/CPC Norwood John Marlowe	1-513-841-5029	2400		22 George's Fido	1-313-227-1573	1200
	30 The Barn Board	Cincinnati OH 1-513-752-8248	RE: 2400		George Moses 24 Fido Detroit	Brighton MI 1-313-567-4834	2400
	Robert Emerson	Cincinnati OH			Jim Brooker	Detroit MI	2400
	40 RJ's Board	1-606-356-6837	1200		25 NetMeg	1-313-994-3865	2400
	Robert Gauck 45 Fido's Doghouse	Independence KY 1-513-931-0110	1200		Meg Geddes 26 PogoNet	Ann Arbor MI 1-313-484-3752	1200
	Doug Goens	Cincinnati OH	RE:		John Remmers	Ypsilanti MI	12-6AM,WE
	50 MIDDI-FIDO	1-513-425-3001	2400		28 Little Blue	1-616-243-2645	1200
	Jerry Maupin 55 ODOT District7	Lebanon OH	WK:5p-8a,WE:		Dave Mcintyre	Grand Rapids MI	1000
	John Desond	1-513-492-0272 Sidney OH	1200 WK:5p-7a,WE:		29 Rich's Roost Richard Harper	1-313-939-6584 Sterling Hgts MI	1200
	60 CHRF	1-513-559-8098	1200		30 The Library	1-313-681-6600	1200
	Nat Hemasilpin	Cincinnati OH	WK:6p-9a,W-		Steve Mosser	Keego Harbor MI	8pm-9:30am
	62 PC-Techniques	1.513.801.1047	E:,RE: 2400		31 FD BBS	1-313-761-5343	2400
	Tim Sullivan	1-513-891-1947 Cincinnati OH	WK:6p-6a,WE:		Jack Henry 33 The Wall	ANN Arbor MI 1-313-525-1009	1200
	64 FIDO Northwest	1-513-662-5884	2400	-	Floyd Shinn	Livonia MI	
	Jesse Armontrout	Cincinnati OH	2400		34 Intransigent	1-616-846-3059	1200
	65 Night Owl Jeffery Durham	1-513-931-4409 Cincinnati OH	2400 WK:10p-8a,		Rob Kittredge 36 Black Hole	Nuncia MI 1-313-879-7387	RE: 2400
			WE:		Randy Goebel	Troy MI	7pm-7am,W-
	66 Beedie's Board	1-513-771-3425	1200		,		E,RE:
	Brian Beatty	Cincinnati OH	WK:7p-4p,W- E:7p-4p	HOST	121 Madison Area	1-608-258-9723	1200
	68 RESULTS Fido	1-513-531-4654	2400	1031	John Galvin	Madison WI	1200
	Chris Irwin	Cincinnati OH			700 1st Circle	1-608-258-9723	1200
	70 T.I.Y./CDB.R Ballard Shackleford	1-513-825-4478	1200		John Galvin	Madison WI	
	75 Mikal's Hairnet	Cincinnati OH 1-513-231-3984	RE: 2400	HOST	126 Columbus Area	1-614-761-1179	2400
	Steve Sullivan	Cincinnati OH	WK:6p-9a,WE:	11001	Scott Sharkey	Columbus OH	RE:
	82 MARS	1-513-772-6215	1200		1 Guardian	1-614-761-1179	2400
	Dan Borntrager	Cincinnati OH			Scott Sharkey 2 Colossus	Dublin OH 1-614-263-0422	RE: 1200
HOST	111 CanadaRemote	1-416-231-8078	2400		Craig Wright	Columbus OH	RE:
	Jud Newell	Toronto ONT			110 Ohio U	1-614-593-1019	1200
	327 CanadaRemote4	1-416-231-0538	2400		Brian Shapiro	Athens OH	RE:,WE:,WK-
	Jud Newell 328 CanadaRemote6	Toronto ONT 1-416-231-1262	RE: 2400				:5p-7a
	Jud Newell	Toronto ONT	RE:	HOST	127 BloomNet	1-812-333-9476	2400
	381 CanadaRemote9	1-416-231-8078	2400		R.G. Stubbings	Bloomington IN	
	Jud Newell 601 CanadaRemote10	Toronto ONT 1-416-231-0406	RE: 2400		10 Cogito R.G. Stubbings	1-812-333-9476 Bloomington IN	2400
	Jud Newell	Toronto ONT	RE:		30 The Workshop	1-812-335-3155	1200
	613 CanadaRemote13	1-416-231-1105	2400		Patty Zielinski	Bloomington IN	RE:
	Jud Newell	Toronto ONT	RE	-	40 Hal's Ranch Harold Schneider	1-812-824-7887	2400
HOST	115 Chicagoland	1-312-759-5402	2400		70 Amber's Fido	Smithville IN 1-501-846-3884	WK:10pm-6am 2400
	Rob Elliott	Bolingbrook IL		-	Hilda Stubbings	PrairieGrove AR	MO:
	100 Illini Data RB	1-312-759-5402	2400		80 REDI Fido	1-812-335-1463	2400
	Rob Elliott 108 Samson	Bolingbrook IL 1-312-991-8304	2400		Alice Eads	Bloomington IN	WK:5pm-8a- m,WE:
	Larry Miglore	Rolling Meadows IL	WK:5p-8a,WE:		90 Coordinator	1-812-336-0600	2400
	123 Chicago DECUS	1-312-490-9206	. 1200		Leith Anderson	Bloomington IN	MO:
	Chuck Garrett 212 Beaker's Beacon	Schaumburg IL 1-312-589-2827	1200	HOST	139 Eastern WI	1-414-722-2000	2400
	John Bekas	Chicago IL	1200	HUST	Bruce Casner	1-414-722-3909 Neenah WI	DA:11p-6a
	222 ACOA Fido	1-312-675-8881	2400		110 The Sky's The Limit	1-414-334-1989	2400
	Roger Strauss 386 DMI HotLine	Chicago IL 1-312-932-8766	2400		Marc Hanlan	West Bend WI	1200
	Jim Weisz	Lombard IL	2400		450 CUSSnet-waukee Wallace Gingerich	1-414-963-4515 Milwaukee WI	1200
	396 AIS/Chicago	1-312-338-8827	1200		600 Omni Net 1	1-414-722-3909	2400
	Sidney Bratkovich	Chicago IL	WK:8p-8a,WE:		Bruce Casner	Neenah WI	DA:11p-6a
	419 Wildcat Fido Bill Bliss	1-312-491-3892 Evanston IL	2400 WK:6p-9a,WE:		910 Soaring SIG Brian Shoemaker	1-219-264-6429 Elkhart IN	1200
	444 Spine Fido	1-312-908-2583	1200		950 SECO	1-312-256-8119	1200
	Vernon Keenan	Chicago IL	WK:9p-5a,WE:		Jim Heider	Wilmette IL	DA:12p-6a
	445 Consult-Net	1-312-475-5442	2400	HORT	149 Trans Canada Super N	11 416 744 0050	0400
	Vernon Keenan 500 Sit UBU Sit	Evanston IL 1-312-960-5928	2400	HOST	148 Trans Canada Sysop N Mark Windrim	Toronto ON	2400
	Rob Elliott	Lombard IL			1 Eaton's Sherway	1-416-622-3785	2400
	555 The Connection	1-312-799-4434	2400		Mark Windrim	Toronto ON	
	Fred Berger 969 Great Lakes	Tinley Park IL 1-312-689-8869	RE: 1200		2 T E C Dann Porter	1-416-343-2325 Toronto ON	1200
	Lew Prather	Great Lakes IL	DA:11p-4p		3 Scarborough Town	1-416-296-0074	1200
11000					George Tung	Toronto ON	
HOST	120 Michigan Net Kirk Revitzer	1-313-882-7104	2400		4 TORONTO NORTH	1-416-744-2352	2400 MAIL ONLY
	4 InaNet	Detroit MI 1-313-665-4472	2400		Mark Windrim 5 TORONTO NORTH II	Toronto ON 1-416-744-2463	MAILONLY 1200
	David Simmons	Ann Arbor Mi			Mark Windrim	Toronto ON	MAILONLY
	5 UtiCom	1-313-739-1193	2400		6 Ottawa Rideau	1-613-234-5488	1200
	James Held 10 Trading Post	Utica MI 1-313-882-7104	RE: 2400		Andy Lamorre 7 Winningg Down	Ottawa ON 1-204-956-2849	1200
	Kirk Revitzer	Detroit MI	2400 RE:		7 Winnipeg Down Rob Huyghe	Winnipeg MAN	1200
	11 Support Board	1-313-946-4821	1200	-	8 Vancouver Pacific	1-604-661-4448	1200
	Peter Tavener	Taylor MI	2400		Michael Omand	Vancouver BC	1000
	12 Peanut Gallery Brian Mintz	1-313-585-3893 Troy MI	2400 RE:		9 London Wellington James Cameron	1-519-439-9880 London ON	1200
	Sharring	noy with	116.	1	Samos Gameron	London On	

CUSS Network Newsletter, Summer 86

.....

	10 Calgary Downtown	1-403-237-7457	1200
	Rob Kehler	Calgary ALTA 1-416-744-2352	0.400
	13 S V C		2400
	Mark Windrim 101 DiSC 1	Toronto ON 1-416-896-1265	2400
	Mark Windrim	Mississauga ON	2400
	102 DISC 2	1-416-622-8254	2400
	Rob Benner	Toronto ON	2400
	103 DISC 3	1-416-487-2889	2400
	Andrew Jones	Toronto ON	2100
	105 Uptown	1-416-223-3067	1200
	Jack Cox	Toronto ON	
	106 PN Junction	1-416-465-2331	2400
	Jim Nikolich	Toronto ON	
	107 Adamnet	1-416-588-2841	2400
	Bill Freads	Toronto ON	
	108 Info-Tek	1-416-454-3046	1200
	Glen Grant	Toronto ON	
	109 AQ Board	1-416-372-2427	2400
	Don Turnbull 110 Wit's End	Cobourg ON 1-519-763-1143	
	110 Wit's End		1200
	Bruce McPherson	Guelph ON	0.400
	111 WindsorDownld	1-519-258-8639	2400
	Paul Halyung	Windsor ON	DA:5p-5a
	112 My Nightmare	1-519-825-4124	1200
	Ray Moore 113 BarnYard Fido	Wheatley ON 1-519-352-1703	1200
	Geert Kiers	Chatham ON	DA:7p-8a
	114 Halton Fido	1-416-854-0148	1200
	Trevor McPherson	Campbellville ON	1200
	116 Boards Galore	1-416-598-1934	1200
	Steve Webster	Toronto ON	
	117 Markham Test	1-416-471-5187	2400
	Scott Magnan	Markham ON	
	118 DISC V HUB	1-416-844-1792	1200
	Matt. Mackinnon	Oakville ON	MAIL-ONLY
	119 Dog Days	1-416-639-7209	1200
	Myles Edmonds	Burlington ON	DA:12am-6pm,
	120 macPC Link	1-519-432-4856	1200
	Aaron Liang	London ON	
	121 Messenger-Canada	1-416-824-2814	1200
	Derek Chai	Mississauga ON	
	122 The Mining Connexion	1-416-884-5556	1200
	Milton Lamb	Toronto ON	
	301 PCOMM System 1	1-514-989-9450	2400
	Tom Kashuba	Montreal PQ	1000
	310 Ozzie's Fido	1-514-684-4922	1200
	Rene Champagne	Montreal PQ	
HOST	140 Louisville Not	1-502-423-0930	2400
1031	149 Louisville Net James Thompson	Louisville KY	2400
	10 ScratchingPost	1-502-423-0930	2400
	James Thompson	Louisville KY	2400
	20 On-Line Exchan	1-502-426-8381	2400
	Mike Weixler	Louisville KY	2100
	30 Free Pub Libra	1-502-584-4162	1200
	Tim Hellner	Louisville KY	DA:430p-7a
	40 JABBS	1-502-583-0176	2400
	Alan Bunch	Louisville KY	DA:430p-7a
HOST	154 Milwaukee Metro	1-414-282-4181	2400
	Ted Polczynski	Milwaukee WI	
	5 GENERIC CrossRoads	1-414-282-4181	2400
	Ted Polczynski	Milwaukee WI	
	7 The Last Resort	1-615-892-7773	1200
	Bill Crawford	Chatnooga TN	
	600 Tele Post RB	1-414-964-4046	2400
	John Spiegel	Milwaukee WI	
HOST	157 Mathanat Ohia	1 016 001 4041	0400
HUSI	157 Northeast Ohio Phil Ardussi	1-216-331-4241 Rocky River OH	2400
	500 PMS—Akron		2400
	Robert Nebiker	1-216-867-7463 Akron OH	2400
	501 Health Care	1-216-861-4805	1200
	Richard Truex	Cleveland OH	
	502 NEOH PC Club	1-216-331-4241	2400
	Phil Ardussi	Rocky River OH	
-			
-	503 TTS Comp Clinc	1-216-582-3151	1200
	503 TTS Comp Clinc John Holcepl	1-216-582-3151 Cleveland OH	1200
	503 TTS Comp Clinc John Holcepl	1-216-582-3151	1200 1200
	503 TTS Comp Clinc	1-216-582-3151 Cleveland OH	
	503 TTS Comp Clinc John Holcepl	1-216-582-3151 Cleveland OH 1-216-929-8483	1200
	503 TTS Comp Clinc John Holcepl 697 Chips Paul Esterle	1-216-582-3151 Cleveland OH 1-216-929-8483 Akron OH	1200 WK:4:30p-9: 30p,WE:
HOST	503 TTS Comp Clinc John Holcepl 697 Chips Paul Esterle 159 Michigan Capital Net	1-216-582-3151 Cleveland OH 1-216-929-8483 Akron OH 1-517-339-3885	1200 WK:4:30p-9:
HOST	503 TTS Comp Clinc John Holcepl 697 Chips Paul Esterle 159 Michigan Capital Net Rick Murray	1-216-582-3151 Cleveland OH 1-216-929-8483 Akron OH 1-517-339-3885 Haslett MI	1200 WK:4:30p-9: 30p,WE: 2400
HOST	503 TTS Comp Clinc John Holcepl 697 Chips Paul Esterle 159 Michigan Capital Net Rick Murray 100 RJs Bit Bucket	1-216-582-3151 Cleveland OH 1-216-929-8483 Akron OH 1-517-339-3885 Haslett MI 1-517-339-3885	1200 WK:4:30p-9: 30p,WE:
HOST	503 TTS Comp Clinc John Holcepl 697 Chips Paul Esterle 159 Michigan Capital Net Rick Murray 100 RJs Bit Bucket Rick Murray	1-216-582-3151 Cleveland OH 1-216-929-8483 Akron OH 1-517-339-3885 Haslett MI 1-517-339-3885 Haslett MI	1200 WK:4:30p-9: 30p,WE: 2400 2400
HOST	503 TTS Comp Clinc John Holcepl 697 Chips Paul Esterle 159 Michigan Capital Net Rick Murray 100 RJs Bit Bucket Rick Murray 200 SSSINet	1-216-582-3151 Cleveland OH 1-216-929-8483 Akron OH 1-517-339-3885 Haslett MI 1-517-339-3885 Haslett MI 1-517-393-1982	1200 WK:4:30p-9: 30p,WE: 2400
HOST	503 TTS Comp Clinc John Holcepl 697 Chips Paul Esterle 159 Michigan Capital Net Rick Murray 100 RJS Bit Bucket Rick Murray 200 SSSINet Don Damon	1-216-582-3151 Cleveland OH 1-216-929-8483 Akron OH 1-517-339-3885 Haslett MI 1-517-339-3885 Haslett MI 1-517-339-1982 Lansing MI	1200 WK:4:30p-9: 30p,WE: 2400 2400 1200
HOST	503 TTS Comp Clinc John Holcepl 697 Chips Paul Esterle 159 Michigan Capital Net Rick Murray 100 RJS Bit Bucket Rick Murray 200 SSSINet Don Damon 777 (G)ents	1-216-582-3151 Cleveland OH 1-216-929-8483 Akron OH 1-517-339-3885 Haslett MI 1-517-339-3885 Haslett MI 1-517-393-1982 Lansing MI 1-517-482-4765	1200 WK:4:30p-9: 30p,WE: 2400 2400 1200 1200
HOST	503 TTS Comp Clinc John Holcepl 697 Chips Paul Esterle 159 Michigan Capital Net Rick Murray 100 RJS Bit Bucket Rick Murray 200 SSSINet Don Damon	1-216-582-3151 Cleveland OH 1-216-929-8483 Akron OH 1-517-339-3885 Haslett MI 1-517-339-3885 Haslett MI 1-517-339-1982 Lansing MI	1200 WK:4:30p-9: 30p,WE: 2400 2400 1200
	503 TTS Comp Clinc John Holcepl 697 Chips Paul Esterle 159 Michigan Capital Net Rick Murray 100 RJs Bit Bucket Rick Murray 200 SSSINet Don Damon 777 (G)ents Graham Newlove	1-216-582-3151 Cleveland OH 1-216-929-8483 Akron OH 1-517-339-3885 Haslett MI 1-517-339-3885 Haslett MI 1-517-393-1982 Lansing MI 1-517-482-4765 Lansing MI	1200 WK:4:30p-9: 30p,WE: 2400 2400 1200 1200 WK:6p-8a;WE:
HOST	503 TTS Comp Clinc John Holcepl 697 Chips Paul Esterle 159 Michigan Capital Net Rick Murray 100 RJS Bit Bucket Rick Murray 200 SSSINet Don Damon 777 (G)ents Graham Newlove 163 Ottawa Net	1-216-582-3151 Cleveland OH 1-216-929-8483 Akron OH 1-517-339-3885 Haslett MI 1-517-339-3885 Haslett MI 1-517-393-1982 Lansing MI 1-517-482-4765 Lansing MI 1-613-726-9427	1200 WK:4:30p-9: 30p,WE: 2400 2400 1200 1200
	503 TTS Comp Clinc John Holcepl 697 Chips Paul Esterle 159 Michigan Capital Net Rick Murray 100 RJs Bit Bucket Rick Murray 200 SSSINet Don Damon 777 (G)ents Graham Newlove 163 Ottawa Net Ron Werthman	1-216-582-3151 Cleveland OH 1-216-929-8483 Akron OH 1-517-339-3885 Haslett MI 1-517-339-3885 Haslett MI 1-517-393-1982 Lansing MI 1-517-482-4765 Lansing MI 1-613-726-9427 Ottawa ON	1200 WK:4:30p-9: 30p,WE: 2400 2400 1200 1200 WK:6p-8a;WE: 2400
	503 TTS Comp Clinc John Holcepl 697 Chips Paul Esterle 159 Michigan Capital Net Rick Murray 100 RJS Bit Bucket Rick Murray 200 SSSINet Don Damon 777 (G)ents Graham Newlove 163 Ottawa Net Ron Werthman 1 SPERRY BBS	1-216-582-3151 Cleveland OH 1-216-929-8483 Akron OH 1-517-339-3885 Haslett MI 1-517-339-3885 Haslett MI 1-517-393-1982 Lansing MI 1-517-482-4765 Lansing MI 1-613-726-9427 Ottawa ON 1-613-726-9427	1200 WK:4:30p-9: 30p,WE: 2400 2400 1200 1200 WK:6p-8a;WE:
	503 TTS Comp Clinc John Holcepl 697 Chips Paul Esterle 159 Michigan Capital Net Rick Murray 100 RJS Bit Bucket Rick Murray 200 SSSINet Don Damon 777 (G)ents Graham Newlove 163 Ottawa Net Ron Werthman 1 SPERRY BBS Ron Werthman	1-216-582-3151 Cleveland OH 1-216-929-8483 Akron OH 1-517-339-3885 Haslett MI 1-517-393-9885 Haslett MI 1-517-393-1982 Lansing MI 1-517-482-4765 Lansing MI 1-613-726-9427 Ottawa ON 1-613-726-9427 Ottawa ON	1200 WK:4:30p-9: 30p,WE: 2400 2400 1200 WK:6p-8a;WE: 2400 2400
	503 TTS Comp Clinc John Holcepl 697 Chips Paul Esterle 159 Michigan Capital Net Rick Murray 100 RJs Bit Bucket Rick Murray 200 SSSINet Don Damon 777 (G)ents Graham Newlove 163 Ottawa Net Ron Werthman 1 SPERRY BBS Ron Werthman 2 Twilight Zone	1-216-582-3151 Cleveland OH 1-216-929-8483 Akron OH 1-517-339-3885 Haslett MI 1-517-393-3885 Haslett MI 1-517-393-1982 Lansing MI 1-517-482-4765 Lansing MI 1-613-726-9427 Ottawa ON 1-613-726-9427 Ottawa ON 1-613-225-9074	1200 WK:4:30p-9: 30p,WE: 2400 2400 1200 1200 WK:6p-8a;WE: 2400
	503 TTS Comp Clinc John Holcepl 697 Chips Paul Esterle 159 Michigan Capital Net Rick Murray 100 RJS Bit Bucket Rick Murray 200 SSSINet Don Damon 777 (G)ents Graham Newlove 163 Ottawa Net Ron Werthman 1 SPERRY BBS Ron Werthman 2 Twilight Zone Al Hacker	1-216-582-3151 Cleveland OH 1-216-929-8483 Akron OH 1-517-339-3885 Haslett MI 1-517-339-3885 Haslett MI 1-517-339-1982 Lansing MI 1-517-482-4765 Lansing MI 1-613-726-9427 Ottawa ON 1-613-225-9074 Ottawa ON	1200 WK:4:30p-9: 30p,WE: 2400 2400 1200 WK:6p-8a;WE: 2400 2400
	503 TTS Comp Clinc John Holcepl 697 Chips Paul Esterle 159 Michigan Capital Net Rick Murray 100 RJs Bit Bucket Rick Murray 200 SSSINet Don Damon 777 (G)ents Graham Newlove 163 Ottawa Net Ron Werthman 1 SPERRY BBS Ron Werthman 2 Twilight Zone	1-216-582-3151 Cleveland OH 1-216-929-8483 Akron OH 1-517-339-3885 Haslett MI 1-517-393-3885 Haslett MI 1-517-393-1982 Lansing MI 1-517-482-4765 Lansing MI 1-613-726-9427 Ottawa ON 1-613-726-9427 Ottawa ON 1-613-225-9074	1200 WK:4:30p-9: 30p,WE: 2400 2400 1200 WK:6p-8a;WE: 2400 2400 1200
	503 TTS Comp Clinc John Holcepl 697 Chips Paul Esterle 159 Michigan Capital Net Rick Murray 100 RJS Bit Bucket Rick Murray 200 SSSINet Don Damon 777 (G)ents Graham Newlove 163 Ottawa Net Ron Werthman 1 SPERRY BBS Ron Werthman 2 Twilight Zone Al Hacker 3 Compucentre	1-216-582-3151 Cleveland OH 1-216-929-8483 Akron OH 1-517-339-3885 Haslett MI 1-517-393-1982 Lansing MI 1-517-482-4765 Lansing MI 1-613-726-9427 Ottawa ON 1-613-726-9427 Ottawa ON 1-613-225-9074 Ottawa ON 1-613-225-9074	1200 WK:4:30p-9: 30p,WE: 2400 2400 1200 WK:6p-8a;WE: 2400 2400 1200

	Damir Bersinic	Ottawa ON	
	5 DATA/SFnet	1-613-726-1100	1200
	Farrell McGovern	Ottawa ON	TU-FRI:8p-8a, SA-TU:5p-8a,
	6 BoscoNet	1-613-232-4650	1200
	Andy Lusher 7 Electric Blue	Nepean ON 1-613-737-7994	1200
	Harry & Kathy	Ottawa ON	1000
	8 The Missing Link Brian Campbell	1-613-225-4523 Ottawa ON	1200
	9 BARF	1-613-825-0786	1200
	Russ Pastuch 10 Night Flight	Ottawa ON 1-613-836-7667	1200
	Glen McReady	Ottawa ON	1000
	11 Exceltronixs Doug Morency	1-613-230-4594 Ottawa ON	1200
	12 Ottawa Rideau	1-613-234-5488	1200
	Andy Lamorre	Ottawa ON	
REGION	12 Pacific	1-808-942-2508	2400
	Ron Skates 1 Bob Overlock	Honolulu HI 1-808-941-5827	2400
	Bob Overlock	Honolulu HI	
	4 Mega Kauai Gene Clayton	1-808-245-2080 Kauai HI	1200
	6 Uncle Sams FIDO	1-808-546-3719	2400
	Paul Fukuhara 7 HPCUA	Honolulu HI 1-808-422-8406	2400
	Bill Arrington	Honolulu HI	0400
	8 Computer-Stn Ron Skates	1-808-942-2508 Honolulu HI	2400
	10 Polynesian CC	1-808-293-3165	2400
	Steve Rogers 14 Mega Kauai2	Honolulu HI 1-808-337-9280	RE: 2400
	Gene Clayton	Kauai HI	DA:6p-7a
	15 Mid Pacific Air Paul Lawler	1-808-834-8280 Honolulu HI	1200 DA:8p-8a
LICOT			
HOST	131 Indonesia Net Jim Filgo	62-21-793286 Jakarta INDONESIA	2400 24hr,CCITT/
			BELL
	133 Bambangs Fido Bambang Soegiharto	62-21-737462 Jakarta Indonesia	1200 night,CCITT/
			BELL
	391 Computeria Yan ICC	62-21-71-7406 Jakarta DKI JAYA	2400 night,CCITT/
			BELL
	393 Ratu Computeria Elisabeth	62-21-73-7132 JakSel Sel DKI JAYA	1200 24hrs,CCITT-
			/BELL
	423 Intrada BBS Rivaldo Rustam	62-21-73-1431 JakSel DKI JAYA	2400 24hrs,CCITT-
			/BELL
	445 Jakarta Computer Soc	62-21-79-3286	2400
	Jim Filgo	Jakarta DKI JAYA	24hrs,CCITT-
	446 AG NET	62-0251-22-465	/BELL 2400
	Bill Collier	Bogor DKI JAYA	night,CCITT/
	123 Ayus's BBS	62-21-35-6527	1200
	Maku Maramis	Balikpapan Kalimantan	night,CCITT/
	146 Henny's BBS	62-0542-21526	1200
	Ronny Thomas	Balikpapan Kalimantan	night,CCITT/
	174 Aldi's BBS	62-0542-21052-1670	BELL 1200
	Iman Soegiono	Balikpapan Kalimantan	night,CCITT/ BELL
	369 Aditya BBS	62-0542-22711-37	1200
	Ron Prayitno	Balikpapan Kalimantan	night,CCITT/ BELL
HOST	155 Ausnet Brian Gatenby	61-2-959-3712 Sydney NSW	2400
	201 Fido Australia	61-2-959-3712	2400
	Richard Morgan	Sydney NSW	
HOST	162 Singapore Net	65-285-4136	1200
	Lam Siew Hong 1 Singapore Link	SINGAPORE 65-285-4136	1200
	Lam Siew Hong	SINGAPORE	1200
REGION	13 Mid Atlantic	1-201-472-8065	2400
TIL GION	Thom Henderson	DE DC MD NJ NY PA VA WV	MO:, XP:4a-5a
	403 Complenovation Howard Dean	1-201-542-5059 Tinton Falls NJ	2400
	128 Unlisted node	1-518-371-1297	1200
	Marden Marshall 15 The Med Tech Fido	Albany NY 1-716-897-0504	2400
	Bill Hliwa	Buffalo NY	WK:4p-10a,WE:
	16 Finger Lakes Fido Bob Nims	1-716-624-4034 Honeoye Falls NY	2400
	14 Salt City Fido	1-315-451-7790	2400
	Mark Manning	Liverpool NY	
HOST	107 NY MetroNet	1-516-682-8525	2400
	Don Daniels 18 NYU Med Center	Woodbury NY 1-212-889-7022	WK:5p-8a,WE: 2400
	Jim Mihalcik MD	New York NY	2400
	31 Rainbow Corner Ted Needleman	1-914-425-2613 Spring Valley NY	2400
			and an other states of the sta

CUSS Network Newsletter, Summer 86

35 PHALSE Fido 1-914-472-6522 Dave OShea Scasdale NY 37 HumanTech CUSSNET 1-212-532-2278 Gerry Hoffman New York NY 101 MainFrame Connect 1-212-627-2673 Don Sanderson New York NY 102 BillBoard 1-212-333-3285 Bill Bertholf New York NY 103 APL PI 1-212-753-0888 New York NY 1-718-343-2185 Chris Lincoln 104 Eastern Queens Rich Mazzara Queens NY 110 Emergency Medic 1-212-269-3023 New York NY Glenn Carlson 132 NoVaSys 1-212-304-8553 John Cottrell 134 AMuse New York NY 1-212-269-4879 Thomas Holaday New York NY 207 Grummans-Fido Tom Pantazi 1-516-575-5838 Bethpage NY 210 D2-FIDO 1-516-682-8525 Don Daniels Woodbury NY 211 Daniels-FIDO 1-516-367-9626 Don Daniels 222 Gateway NRA Melville NY 1-718-338-3501 Richard Clark Brooklyn NY 1-516-246-3689 Stony Brook NY 1-516-265-6333 233 MicroLab BBS David Melnik 234 Future Watch Webb Neil Hancock 240 AU Soc Svc Ctr Gunther Geiss 269 Utopian Quest LI Mitch Kessler Smithtown NY 1-516-228-7498 Garden City NY 1-516-842-1712 Bellmore NY 293 BaphoNet 1-718-499-9277 Tony lannotti 23 Hitch Hikers Guide Brooklyn NY 1-315-589-7361 Fritz Howard 36 GEOMAKER BBS Williamson NY 1-203-762-7211 Mark Grand Wilton CT 701 The IBM Temple Jin Tan 1-716-838-2664 Buffalo NY 702 CUHUG BBS 1-716-265-2237 Adam Fritz 703 I-Tech1 Potsdam NY 1-716-874-6509 Stewart Alpert 726 SPECTRA-II Buffalo NY 1-716-248-2743 Doug Toombs 7 SEAboard Rochester NY 1-201-472-8065 Thom Henderson Clifton N.I 1-201-472-8065 8 SEAdog Leader Thom Henderson 16 Wizards Tower Clifton NJ 1-201-288-9076 Karl Schinke Teterboro NJ 27 The Wizard's BBS 1-201-379-2185 Rick Siegel 29 Spider's Web Springfield NJ 1-201-782-7640 Flemington NJ 1-201-292-1365 Morris Plains NJ Rich Karas 310 Cloudbase Bill Aubin 311 The Xtra BBS Marv Shelton 1-201-284-3916 Clifton NJ 312 Dance Studio 1-201-249-1898 Gee Wong 313 Cork Board Steven Linhart E Brunswick NJ 1-201-943-2226 Ridgefield NJ 1-201-286-2567 Toms River NJ 316 Metatek Fido Thomas Kenny 317 Dumps R Us 1-201-885-7404 Gee Wong 318 Ginger Bread N.J 1-201-780-3249 Alex Naddaff 17 DEC-House Brian Sietz Freehold NJ 1-609-429-6630 CherryHill NJ 1-609-398-2959 Ocean City NJ 1-609-266-0517 25 SoftShop Brad Karp 404 Blackbeards Atlantic City NJ 1-609-354-9259 Cherry Hill NJ 1-215-743-1799 Philadelphia PA Dan McGahn 414 Pinelands BBS Bob Pritchett 24 QUG BBS Mort Lightman 601 Stone Wall 1-215-367-6558 Peter Weilnau Boyertown PA 1-215-884-6122 602 Rydal Board Rydal PA 1-215-721-0363 Hatfield PA Randy Mananka 603 The Foxes Den Warren Fox 604 Enterprise 1-215-631-9777 Mark W Billig Jr 606 Pats All American Norristown PA 1-215-544-5882 Patrick Byrne Springfield PA

HOST 109 Wash DC Metro

Kurt Reisler 2 CLP Fido John Madill

**CUSS Network Newsletter, Summer 86** 

1-703-698-8230

Falls Church VA 1-301-484-2831

Baltimore MD

2400

1200

22 WK:9p-8a.WE: MF:8p-8a WK:6p-5a,WE: WK:5p-8a,W-E:.XP: WK:6p-8a,WE: DA:24hrs,XP: DA:24hrs,XP: DA:24hrs,XP: DA:24hrs 1200 WK:5p-7a,W-E:24hrs,XP:3 DA:10p-1pm-HOST DA:12m-530p DA:24hrs DA:24hrs HOST

28 World Control	1-301-653-2074	1
Rob White	Baltimore MD	R
74 The Bears Den Kurt Reisler	1-703-671-0598 Falls Church VA	2
115 Arguimedes	1-703-698-8230	2
Sam Hargadine 122 MDS	Falls Church VA 1-703-893-4715	2
Sam Hargadine	Falls Church VA	N
449 The Game Room	1-703-569-0645	2
Mike Wyrick/David Ro Spr 483 Wash-A-RUG	1-703-359-6549	1
Kurt Reisler	Fairfax VA	
601 Beauty Board	1-301-725-7510	2
John S Raum 603 NET-EXCHANGE	Laurel MD 1-703-689-3561	2
D Purks/C Cummings	Reston VA	N
604 ShanErin	1-703-941-8291	m 1
David Page	Alexandria VA	X
605 PARAGON	1-301-574-7913	2
J Liebsch/A Griffin 606 The BlowTorch	Middle River MD 1-202-686-9398	1
Alexander Wall	Washington DC	
610 YAFIP Michael Klein	1-301-279-6774 Potomac MD	1:
611 The Main Frame	1-301-654-3157	2
Andrew Bilski	Chevy Chase MD	-
612 The Flying PC AT Jim Kay	1-703-556-0253 Vienna VA	2
613 G&R BBS	1-301-825-0422	1
Steve Fox 614 A&A Microtech	Baltimore MD	0
Tas Papadopoulos	1-301-825-0536 Baltimore MD	2
615 IBM WasteLand	1-301-428-3418	1
Chris Magyar 616 The Cave	Germantown MD 1-703-620-9244	1
Mike Cave	Reston VA	
618 PRESBY FIDO	1-301-433-2014	1
Jack Sharp	Baltimore MD	N 3
619 Battleship PA	1-301-428-3145	1
Cliff Kendall	Germantown MD	
621 TheLoadingDock Steven Ranger	1-301-921-9650 Gaithersburg MD	2
622 The Tomb	1-703-938-5876	1:
Peter Thomas	Vienna VA	2
623 The Corner Stone	1-301-384-2587	2
Joseph Collins	Silver Spring MD 1-301-531-3917	Х
624 Heart of Gold	1-301-531-3917 Columbia MD	30
Doug Lindsey 625 DEC-CATT-HOUSE	1-717-794-5268	2
Bob Catt	Blue Ridge Summit Pa	-
626 NOVA WEG William/Eunhee Hunte Bur	1-703-425-0695 ke VA	1:
627 Double Nut Board	1-301-997-7204	2
David Elliott Jr. 628 Reindeer Shed	Simpsonville MD 1-301-833-8933	1
Robert Rudolph	Reisterstown MD	0
	1 001 050 0000	2
630 The Eagles Aerie Bud Garrison	1-301-652-6832 Chevy Chase MD	1:
631 The Random Factor	Chevy Chase MD 1-301-340-0246	1
Chris Rowley	Potomac MD	-
632 Beauty Board II John Raum	1-301-776-2300 Laurel MD	1:
634 INSIGHT	1-202-543-2146	1
Brian Hughes 635 Rick's Fido	Washington DC 1-202-833-1889	1:
Rick Ward	Washington DC	W
		0
129 Pitt-Net	1-412-257-2375	2
Jim Lynn 11 TACO Sanyo Fido	Pittsburgh PA 1-412-856-1428	
11 TACO Sanyo Fido		2.
Paul Kelly 13 MYCROFTXXX	Trafford PA 1-412-271-2764	2
Jim McHale	Pittsburgh PA	
14 KA3LPS Rainbow Tom Wardle	1-412-247-4488 Penn Hills PA	1) R
15 DEC-USER	1-412-469-2468	1
John Vukovic	Pleasant Hills PA	
16 KCA PC-Guru Ray Kennelly	1-412-561-7145 Pittsburgh PA	2. W
hay romining	T Roboligit TV	E
17 NEVER BOARD	1-412-733-4842 Dittaburgh DA	2
Larry DiGioia 21 Hard Hat Board	Pittsburgh PA 1-412-856-1428	2
Paul Kelly	Monessen PA	M
23 Zaphod's Computers Jon Marshall	1-412-349-0557 Indiana PA	1
26 SoundingBoard	1-412-681-9464	2
Stu Turk	Pittsburgh PA	~
384 PITT-BULL Jim Lynn	1-412-257-2375 Pittsburgh PA	2
150 First State	1-302-764-7522	2
Bob Klahn	Wilmington DE	
1 MicroSolutions	Wilmington DE 1-302-764-7522	X 2
	Wilmington DE 1-302-764-7522 Wilmington DE 1-302-655-6342	

Wilmington DE

Van Olmstead

WK:8p-8a,WE;

110 dWolf Lee Wolf 1-302-478-8703 1200 Wilmington DE 1-302-731-7842 111 Beagles Nest 2400 WK:10p-5p, Joel Garrett Newark DE WF 112 GoldenRetriever -302-737-2294 2400 Newark DE Jim Goldschneider 113 Basset Board 1-302-656-8003 2400 Wilmington DE 1-302-239-3969 Hockessin DE Garry Cantwell 120 Hubbin's Board 2400 Van Olmstead 190 Chemist's Companion -302-479-0302 1200 DA:11p-6p Larry McGee 200 Scholar's Workbench Wilmington DE 1-302-451-8045 1200 Ed Ferrara Newark DE 1-302-475-2201 900 K-9 & Company 1200 Mike Jacobs Newark DE 2400 **REGION 14 Mid West** 1-507-289-8452 John Pritchard 341 Terraboard IA KS MN MO NB ND SD 1-612-721-8967 2400 Minneapolis MN David Dver-Bennet 386 Bit Bucket -316-343-8028 2400 E J McKernan Emporia KS 1-507-289-8452 61 RAMS 2400 Rochester MN 1-612-822-1968 John Pritchard 415 TheGameBoard 2400 Minneapolis MN David Messer 603 MCE Ltd KCMO 1-816-452-0005 1200 Phil King 606 QA Forum Kansas City MO 1-612-542-5322 1200 Wayne Stenson 607 C Station Minneapolis MN 1-612-332-1857 WK:6p-6a,WE: 2400 Minneapolis MN 1-316-522-4850 Steve Ripley 608 Wichita Biz Bd Ken Rucker 2400 Wichita KS 609 Night Flight -316-721-0581 2400 Wichita KS 1-402-348-7603 Mark Stappenbeck 610 Omaha Fido 1200 Omaha NE WK:6p-6a Jim Singer 614 Wind Dragon Inn Henry Neufeld 619 PIL Software 1-402-291-8053 Bellevue NE 1200 1-314-449-9401 2400 Tom Smith 620 Fantasy Gamers Columbia MO 1-913-232-6504 1200 Chris Winterscheid **Topeka KS** 621 The Castle David Stalsworth 1-316-788-6462 2400 Derby KS 999 FIDO Lawcat 1-612-872-2352 2400 Paula Giese Minneapolis MN HOST 100 St Louis Area 1-314-576-4067 2400 Ken Kaplan 507 Sky King St Louis MO 1-618-462-4891 1200 Tom King WK:M-Th,5p Alton IL 10a WE 2400 76 Baker's Acre 1-618-251-2169 Ben Baker 482 Dirty Ole Man Ervin Cole So Roxana IL 1-618-254-2763 XP 2400 Wood River IL 504 Crystal Palace 1-314-335-4902 1200 Mike Bryeans 506 Executive Computer Cape Girardeau MO 1-314-343-2013 2400 Fenton MO 1-314-772-0488 St Louis MO Conway Christensen 4 SLUG-IBM 1200 Curtis Spires 10 MDC RCC 1-314-232-6881 St Louis MO 2400 Terry Mueller 16 Mikes Board 1-314-726-3448 2400 St Louis MO 1-314-962-2751 Mike Mellinger 2400 John Yunker 22 PCLUG Ken Kaplan St Louis MO 1-314-576-2743 St Louis MO 2400 XP: 51 DECUS Central -314-576-4067 2400 Ken Kaplan 64 CBM Experimental St Louis MO -314-867-1092 2400 St Louis MO 1-314-867-7013 MO: 1200 Tony Ott 240 Dead Letter Queue **Bill Beers** St Louis MO MO 255 AMCross Central 1-314-658-5866 2400 WK:5p-8a, Tim Rand St Louis MO WE:24hr 1-314-771-9099 St Louis MO 500 Alex' Fido 1200 XP Alex Hartley 505 C64 Software Only 1-314-233-7379 1200 Keith Hall St Louis MO RE:,WK:6p-6 a.WE 1-314-997-1605 St Louis MO 1-314-426-7144 509 Top of the Hill 1200 Brian Kessel 510 Rits Board 2400 St Louis MO Mark Peters 1-314-389-9973 523 WeirdBase 1200 Brad Hicks St Louis MO 999 WUFN BBS 1-314-889-4696 2400 Bill Butterfield St Louis MO 1-801-752-2757 AZ CO NM UT WY **REGION 15 Mountain** 2400

Tony Loosle 1000 ElectroMail

Adam Hudson

1-505-898-2116

Albuquerque NM

1200

Joe Rock

1001 Sanyo BUGS Jami Morgan 1002 UofA CAG 1-505-822-8268 1200 Albuquerque NM 1-602-621-2097 Tucson AZ 1-602-621-2955 DA:10p-10a 1200 WK:10a8a,WE: Robert MacArthur 1003 Bug Board 1200 Tucson AZ 1-602-743-0875 DA:10a-8a 1200 Bob Smith 1004 Tuscon Mts 1-602-743-0875 Tuscon AZ 1-801-752-2757 Logan UT 1-505-646-5194 Bob Smith DA:8p-7a 1005 LOGAN Logon 2400 Tony Loosle 1006 Teachers Pet Bo Barry 1008 At Your Service Las Cruces NM 1-801-227-4371 Harry Mahoney 1009 Casper Fido Keith Flint Orem UT 1-307-235-1726 Casper WY 1011 West Valley Computer Jeff Case 1-801-595-0689 West Valley UT 1012 EtCetera 1-801-374-8445 Sam Mecham 464 Prog Tech Provo UT 1-801-264-8290 Bob Briggs Salt Lake City UT HOST 104 Denver Area 1-303-973-9338 Denver CO 1-303-973-9338 Littleton CO Oscar Barlow 56 Denver's Fido Oscar Barlow 1-303-497-6968 Boulder CO 77 Boulder Fido Kent Leonard 372 CPM SIG-INC -303-465-1313 Al Lundquist 607 FIDO ERL Broomfield CO 1-303-497-5868 **Rich Kisse** Boulder CO 108 MICROLINK B Girard Westerberg 1-303-972-4181 Littleton CO 610 DIVE-LINK -303-252-9235 Rod Lamping 611 George Net Northglen CO 1-303-322-4779 Denver CO Phillip Heir 1-303-363-6409 612 ESCO Serv Inc Aurora CO Jim Sparks 444 Ads Up 1-303-444-6129 Boulder CO 1-303-871-2912 Ron Kuseski 614 Mile Hi CUSS Denver CO 1-303-377-6725 Walter LaMendola 615 King's Bench Ralph Allison 904 PCjr NET Denver CO 1-303-789-4610 Phil Kaiser Englewood CO 17 Musicians Den 1-303-321-6857 Denver CO Andy Velasquez 18 Eusebiea Fido 1-303-430-8376 Federal Heights CO 1-303-795-1215 Jim Quiesner 19 MY FIDO Steve Raymond 20 Day's End Littleton CO 1-303-650-5636 Chris Day Denver CO HOST 114 Phoenix Area 1-602-242-5230 Peoria AZ 1-602-242-5230 John Kerr 1 Phoenix Net John Kerr Peoria AZ 2 HOG TROUGH Jeffrey Bingham 3 Rainbow BBS 1-602-899-2699 Chandler A7 -602-952-8520 Phoenix AZ 1-602-979-6352 Jim Kashner 446 Xtra #1 Joe Kennedy 8 C & PLAY Edmond Hisamoto Glendale AZ 1-602-245-9475 Glendale AZ 9 C & PLAY 2 -602-846-1406 Edmond Hisamoto 14 EYE NET Glendale AZ 1-602-941-3747 DR Leo Bores Scottsdale AZ 15 ST JOES HOSPITAL David Dodell 17 Answering Mach 1-602-235-9653 Phoenix AZ 1-602-242-3158 Bob Donaldsor Phoenix AZ 1-602-483-9408 18 Astronomer BBS Don Epand aradise Valley AZ 20 Construction NET 1 1-602-258-8347 Mary Carson Phoenix AZ 21 CONSTRUCTION NET 1-602-965-4513 Mary Carson Tempe AZ 1-303-632-9494 Colorado Spgs CO HOST 128 Southern Colorado Richard Evers 11 CS BBS Service 1-303-632-9494 Colorado Spgs CO 1-303-635-5468 Richard Evers 13 COSUG Jim Cannell Colorado Spgs CO 1-303-598-7667 Colorado Spgs CO 1-303-591-4273 14 RamNet Q McHenry 15 Solid S/W

23

2400 2400 1200 DA:9p-7a,WE: 1200 1200 1200 2400 2400 RF 2400 1200 2400 24hrs 1200 2400 RE 1200 24hrs 2400 3PM-6AMW-K24WE 1200 24hrs 1200 24hrs 1200 RE 2400 24hrs 1200 RE7PM-9AM-SUN-24hrs 1200 24hrs,RE 1200 24hrs 2400 24hrs 2400 2400 24hrs,RE:,XP 1200 24hrs 1200 24hrs,RE: 2400 24hrs 2400 24hrs 1200 24hrs 1200 RE:, wk:6PM-8AM, WE:24 Hrs 2400 24Hrs,XP 1200 24Hrs 1200 6pm-6am 2400 24Hrs,XP 2400 5pm-5am 2400 2400 2400 1200 2400

Colorado Spgs CO

24

H

Н

Н

	16 Nochange Gateway		1200
	Randy Edwards	Colorado Spgs CO 1-303-633-4711	2400
	17 Last Chance Fido Jim MacGregor	Colorado Spgs CO	2400
	18 Hip Shack	1-303-593-9959	1200
	Bdale Garbee	Colorado Spgs CO	
HOST	144 Fort Collins Net	1-303-491-5946	1200
		Fort Collins CO	
		1-303-491-5946 Fort Collins CO	1200
		1-303-586-8197	1200
	Lee Lasson	Estes Park CO	
DECION	10 New England	1 617 401 7147	2400
REGION	16 New England Kevin Porter	1-617-481-7147 CT ME MA NH RI VT	2400
	42 MetChem	1-203-281-7287	2400
	Robert Lederman	New Haven CT	1000
	207 NorthernReachs Geoff Hickey	1-203-865-1794 New Haven CT	1200
	209 Fernwood	1-203-234-9567	2400
	Bill Becker	North Haven CT	MO:
		1-203-456-1933 Willimantic CT	2400
		1-207-725-8456	1200
	Henry Trujillo	Topsham ME	
		1-203-248-7324	1200
		Hamden CT 1-802-658-2494	1200
	James Pallack	Burlington VT	1200
	640 Info Jr	1-617-893-5772	2400
		Waltham MA 1-203-224-7231	1200
		New Britain CT	1200
HOST		1-617-632-1861	2400
		Gardner MA 1-617-481-7147	XP 2400
		Mariboro MA	2400
	21 Phoenix Sfwr	1-617-769-0850	2400
		Norwood MA	RE:
		1-617-632-1861 Gardner MA	2400 XP
		1-617-646-3610	1200
	David Mitton	Arlington MA	
	45 Midnite DEC	1-617-787-3033	2400
	David Strickler 73 Eagle-1	Brighton MA 1-617-881-6495 Ashland MA	1200
	Dave Hornbaker	Ashland MA	
		1-617-491-6010	2400
	David Mann 104 BYTEnetListing	Cambridge MA 1-617-861-9774	1200
	George Bond	Peterborough NH	
	105 CAPECOD Fido	1-617-255-9465	2400
	Rives Mc Ginley 106 NewWorld Magic1	Orleans Ma 1-617-595-5626	2400
	Hal Duprie	Swampscott MA	
	107 NewWorld Magic2		2400
		Swampscott MA 1-617-244-1903	1200
	Dan Mahoney	Newton MA	1200
	109 PVPCUG 1	1-413-549-1501	1200
		Amherst MA	1000
	110 Physics Forum Mort Sternheim	1-413-545-1959 Amherst MA	1200
	Mort Sternheim 111 TRUK BBS	1-617-631-3304	2400
	Mark Bornstein	Marblehead MA	2400
	114 PC2 Tech Support Rich Howley	1-617-769-3779 Norwood MA	2400
	115 Fred's Fido	1-617-331-8624	1200
	Fred Donahue	Weymouth MA	WK:6p-2m,
	116 STARSHIP Fido	1-617-445-8309	WE: 1200
	Eugene Prevo	Roxbury MA	1200
	117 Andover cnode	1-617-470-2548	2400
+	Layne DuBose	Andover MA	1200
	118 AL'S Fido Alan Williams	1-617-772-2036 FortDevens MA	
			WK:7p-7m, WE:24HRS
	119 Project Crossbow	1-617-623-3244	2400
	David Kaufman 120 Cullinet Software	Somerville MA 1-617-769-6761	1200
	Nat Poe	Westwood MA	1200
	121 Info Jr	1-617-893-5772	2400
	John Debay 122 BCSnet Host	Waltham MA 1-617-237-3750	2400
	Doug Chamberlin	Boston MA	2400
	Doug Chamberlin 123 Fido Country Club	1-617-479-2462	1200
	Nevia Markwart	N Quincy MA 1-617-897-5610	1200
	124 The Boston L5 William Caefer	Maynard MA	1200
	125 DAVY JUNES LOCKEH	1-617-865-3290	2400
	Richard Kenadek	West Millbury MA	1000
	126 Solution Systems BBS David Nanian	1-617-659-1479 Boston MA	1200
	129 Twilight Datalink	1-617-746-4463	2400
	Peter Flynn	Plymouth MA	1000
	130 Wizards Tower Tony Rousmaniere	1-617-738-1968 Brookline MA	1200
	131 Mountain Top Fido	1-413-684-2886	2400
	Don Hall	Windsor MA	

	202 DEC-Line	1-617-721-1688	1200
	Bill MacNeill	Winchester MA	1000
	301 BeyondWar/IPPNW BBS Andrew Kanter	Cambridge MA	1200
	302 IPPNW Connection	1-617-566-0847	1200
	Andrew Kanter	Cambridge MA	
	310 Daves Annex Dave Rene	1-617-874-4325	1200
	315 DD Network	Westminister MA 1-617-731-2662	WK:2p-7m,WE 1200
	Dana Long	Boston MA	DA:12m-5p
	318 PC Week	1-617-536-1917	2400
	Garry Ray 367 RBG-ENG HOOTNE	L 617-486-2285	1200
	Bruce Gibson	Littleton MA	1200
	477 A Little Puppy	1-617-326-2615	2400
	Stephen Harper	Dedham MA	WK:12m-6p,
	625 The Doctor	1-617-879-3714	WE: 1200
	Herbie Cohen	Framingham MA	WK:10p-6a,
			WE:10p-12 p
IOOT		4 000 000 0170	
HOST	132 NH-Net Bob Hartman	1-603-888-8179 Nashua NH	2400 XP:
	101 UN*X GateWay	1-603-888-8179	2400
	Bob Hartman	Nashua NH	XP:
	103 SAI Board	1-603-883-9891	1200
	Robert Dumont	Nashua NH	WK:6p-8a,W- E:24hr
	104 Downeast Roots Fido	1-603-964-7912	1200
	David James	Rye Beach NH	
	107 M'Cycle Bytes	1-603-889-3366	2400
	Robert Nilsen 108 FasFax Fido	Amherst NH 1-603-889-0946	1200
	David Gale	Nashua NH	DA:9p-8a
	109 Electronic Orphanage	1-603-882-9312	1200
	David Levine	Nashua NH 1-603-924-7724	1200
	110 Peterborough Connect Tom Westheimer	Peterborough NH	1200
	111 On Line New Hampshir	1-603-798-4028	1200
	Douglas Hall	Chichester NH	
	225 SeaCoast Fido Bill Thomas	1-207-439-9367 Kittony ME	1200 WK:24,WE:1
	Biii momas	Kittery ME	2a-10a
	388 Revap Data	1-603-357-2090	2400
	Chris Von Schilling	Keene NH	2 10 2
	615 Wizards Castle Paul Gilberti	1-603-883-1596 Windham NH	2400
		1-603-635-7771	2400
	Victor Coppola	Pelham NH	DA:10p-7a
IOOT		1 000 071 1000	0400
HOST	141 ConnCentral Chuck Venter	1-203-271-1002 Cheshire CT	2400 RE:
	42 MetChem	1-203-281-7287	2400
	Jon Bauer	New Haven Ct	
	320 Surprise Pak	1-203-795-0339	1200
	David Hecht 328 Megabyte Gen Hosp	Orange CT 1-203-795-3182	RE: 1200
	Maynard Marquis		WE:10pm-
			10am
	350 B.O.M.C.	1-203-795-6837	1200
	Ellen Snyder 491 Naugy Net	Orange CT 1-203-729-7569	2400
	Vince Perriello	Naugatuck CT	2100
	550 Southington Fido	1-203-621-6232	1200
	Ed Robertson	Southington CT	1200
	560 Boot Camp Fido Ralph Solli	1-203-628-6091 Southington CT	1200 RE;
	600 Cheshire Fido	1-203-271-1002	2400
	Chuck Venter	Obserbing OT	
		Cheshire CT	RE:
	710 Data Cove Jim Warren	1-203-754-9290 Waterbury CT	
	710 Data Cove Jim Warren 730 Ganymede	1-203-754-9290 Waterbury CT 1-203-274-1395	RE:
	Jim Warren 730 Ganymede Joel Robb	1-203-754-9290 Waterbury CT 1-203-274-1395 Waterbury CT	RE: 2400 1200
	Jim Warren 730 Ganymede Joel Robb 810 Compusoft I	1-203-754-9290 Waterbury CT 1-203-274-1395 Waterbury CT 1-203-284-8070	RE: 2400
	Jim Warren 730 Ganymede Joel Robb 810 Compusoft I Bill Lyman	1-203-754-9290 Waterbury CT 1-203-274-1395 Waterbury CT 1-203-284-8070 Wallingford CT	RE: 2400 1200 1200
	Jim Warren 730 Ganymede Joel Robb 810 Compusoft I	1-203-754-9290 Waterbury CT 1-203-274-1395 Waterbury CT 1-203-284-8070	RE: 2400 1200
	Jim Warren 730 Ganymede Joel Robb 810 Compusoft I Bill Lyman 820 Compusoft II Mike Matell 212 Mission Ctl II	1-203-754-9290 Waterbury CT 1-203-274-1395 Waterbury CT 1-203-284-8070 Wallingford CT 1-203-238-0462 Meriden CT 1-203-878-6355	RE: 2400 1200 1200
	Jim Warren 730 Ganymede Joel Robb 810 Compusoft I Bill Lyman 820 Compusoft II Mike Matell 212 Mission Ctl II Sal Guido	1-203-754-9290 Waterbury CT 1-203-274-1395 Waterbury CT 1-203-284-8070 Wallingford CT 1-203-238-0462 Meriden CT 1-203-878-6355 Milford CT	RE: 2400 1200 1200 1200 2400
	Jim Warren 730 Ganymede Joel Robb 810 Compusoft I Bill Lyman 820 Compusoft II Mike Matell 212 Mission Ctl II Sal Guido 215 BCP Technologi	1-203-754-9290 Waterbury CT 1-203-274-1395 Waterbury CT 1-203-284-8070 Wallingford CT 1-203-288-0462 Meriden CT 1-203-878-6355 Milford CT 1-203-782-9787	RE: 2400 1200 1200 2400 2400
	Jim Warren 730 Ganymede Joel Robb 810 Compusoft I Bill Lyman 820 Compusoft II Mike Matell 212 Mission Ctl II Sal Guido 215 BCP Technologi Ed Rauh 269 RisQue BBS	1-203-754-9290 Waterbury CT 1-203-274-1395 Waterbury CT 1-203-284-8070 Wallingford CT 1-203-238-0462 Meriden CT 1-203-782-9787 New Haven CT 1-203-782-9787 New Haven CT 1-203-333-0493	RE: 2400 1200 1200 1200 2400
	Jim Warren 730 Ganymede Joel Robb 810 Compusoft I Bill Lyman 820 Compusoft II Mike Matell 212 Mission Ctl II Sal Guido 215 BCP Technologi Ed Rauh 269 RisQue BBS Rick S.	1-203-754-9290 Waterbury CT 1-203-274-1395 Waterbury CT 1-203-284-8070 Wallingford CT 1-203-280-0462 Meriden CT 1-203-878-6355 Milford CT 1-203-782-9787 New Haven CT 1-203-333-0493 Bridgeport CT	RE: 2400 1200 1200 2400 2400 RE: 1200
	Jim Warren 730 Ganymede Joel Robb 810 Compusoft I Bill Lyman 820 Compusoft II Mike Mateil 212 Mission Ctl II Sal Guido 215 BCP Technologi Ed Rauh 269 RisQue BBS Rick S. 333 ASCII Neighborhood	1-203-754-9290 Waterbury CT 1-203-274-1395 Waterbury CT 1-203-284-8070 Wallingford CT 1-203-238-0462 Meriden CT 1-203-782-9787 Milford CT 1-203-782-9787 New Haven CT 1-203-333-0493 Bridgeport CT 1-203-934-9852	RE: 2400 1200 1200 2400 2400 RE:
	Jim Warren 730 Ganymede Joel Robb 810 Compusoft I Bill Lyman 820 Compusoft II Mike Matell 212 Mission Ctl II Sal Guido 215 BCP Technologi Ed Rauh 269 RisQue BBS Rick S. 333 ASCII Neighborhood Bob Morris	1-203-754-9290 Waterbury CT 1-203-274-1395 Waterbury CT 1-203-284-8070 Wallingford CT 1-203-238-0462 Meriden CT 1-203-782-9787 New Haven CT 1-203-782-9787 New Haven CT 1-203-333-0493 Bridgepot CT 1-203-934-9852 Hamden CT	RE: 2400 1200 1200 2400 2400 RE: 1200
	Jim Warren 730 Ganymede Joel Robb 810 Compusoft I Bill Lyman 820 Compusoft II Mike Mateil 212 Mission Ctl II Sal Guido 215 BCP Technologi Ed Rauh 269 RisQue BBS Rick S. 333 ASCII Neighborhood	1-203-754-9290 Waterbury CT 1-203-274-1395 Waterbury CT 1-203-284-8070 Wallingford CT 1-203-238-0462 Meriden CT 1-203-782-9787 Milford CT 1-203-782-9787 New Haven CT 1-203-333-0493 Bridgeport CT 1-203-934-9852	RE: 2400 1200 1200 2400 2400 RE: 1200 2400 2400 2400 2400 2400 2400 2400
	Jim Warren 730 Ganymede Joel Robb 810 Compusoft I Bill Lyman 820 Compusoft II Mike Matell 212 Mission Ctl II Sal Guido 215 BCP Technologi Ed Rauh 269 RisQue BBS Rick S. 333 ASCII Neighborhood Bob Morris 335 After 6 Phil Palumbo	1-203-754-9290 Waterbury CT 1-203-274-1395 Waterbury CT 1-203-284-8070 Wallingford CT 1-203-238-0462 Meriden CT 1-203-782-8355 Milford CT 1-203-782-9787 New Haven CT 1-203-333-0493 Bridgeport CT 1-203-934-9852 Hamden CT 1-203-926-6352 Shelton CT	RE: 2400 1200 1200 2400 2400 2400 RE: 1200 2400 2400 1200 RE:, wk:6pm- 7am
	Jim Warren 730 Ganymede Joel Robb 810 Compusoft I Bill Lyman 820 Compusoft II Mike Matell 212 Mission Ctl II Sal Guido 215 BCP Technologi Ed Rauh 269 RisQue BBS Rick S. 333 ASCII Neighborhood Bob Morris 335 After 6 Phil Palumbo 375 LIL FROG	1-203-754-9290 Waterbury CT 1-203-274-1395 Waterbury CT 1-203-284-8070 Wallingford CT 1-203-288-0462 Meriden CT 1-203-782-9787 New Haven CT 1-203-782-9787 New Haven CT 1-203-934-9852 Hamden CT 1-203-926-6352 Shelton CT 1-203-268-3111	RE: 2400 1200 1200 2400 2400 RE: 1200 2400 2400 2400 2400 2400 2400 2400
	Jim Warren 730 Ganymede Joel Robb 810 Compusoft I Bill Lyman 820 Compusoft II Mike Matell 212 Mission Ctl II Sal Guido 215 BCP Technologi Ed Rauh 269 RisQue BBS Rick S. 333 ASCII Neighborhood Bob Morris 335 After 6 Phil Palumbo	1-203-754-9290 Waterbury CT 1-203-274-1395 Waterbury CT 1-203-284-8070 Wallingford CT 1-203-238-0462 Meriden CT 1-203-782-8355 Milford CT 1-203-782-9787 New Haven CT 1-203-333-0493 Bridgeport CT 1-203-934-9852 Hamden CT 1-203-926-6352 Shelton CT	RE: 2400 1200 1200 2400 2400 2400 RE: 1200 2400 2400 1200 RE:, wk:6pm- 7am
HOST	Jim Warren 730 Ganymede Joel Robb 810 Compusoft I Bill Lyman 820 Compusoft II Mike Matell 212 Mission Ctl II Sal Guido 215 BCP Technologi Ed Rauh 269 RisQue BBS Rick S. 333 ASCII Neighborhood Bob Morris 335 After 6 Phil Palumbo 375 LIL FROG Terry Wodek 142 Hartford Area	1-203-754-9290 Waterbury CT 1-203-274-1395 Waterbury CT 1-203-284-8070 Wallingford CT 1-203-238-0462 Meriden CT 1-203-782-9787 New Haven CT 1-203-782-9787 New Haven CT 1-203-334-9852 Hamden CT 1-203-926-6352 Shelton CT 1-203-268-3111 Trumbull CT 1-203-683-5466	RE: 2400 1200 1200 2400 2400 2400 2400 2400
HOST	Jim Warren 730 Ganymede Joel Robb 810 Compusoft I Bill Lyman 820 Compusoft II Mike Matell 212 Mission Ctl II Sal Guido 215 BCP Technologi Ed Rauh 269 RisQue BBS Rick S. 333 ASCII Neighborhood Bob Morris 335 After 6 Phil Palumbo 375 LIL FROG Terry Wodek 142 Hartford Area David Kaplan	1-203-754-9290 Waterbury CT 1-203-274-1395 Waterbury CT 1-203-284-8070 Wallingford CT 1-203-238-0462 Meriden CT 1-203-782-9787 New Haven CT 1-203-333-0493 Bridgeport CT 1-203-926-6352 Shelton CT 1-203-268-3111 Trumbull CT 1-203-683-5466 Windsor CT	RE: 2400 1200 1200 2400 2400 RE: 1200 2400 1200 RE:,wk:6pm- 7am 2400 1200 RE:
HOST	Jim Warren 730 Ganymede Joel Robb 810 Compusoft I Bill Lyman 820 Compusoft II Mike Matell 212 Mission Ctl II Sal Guido 215 BCP Technologi Ed Rauh 269 RisQue BBS Rick S. 333 ASCII Neighborhood Bob Morris 335 After 6 Phil Palumbo 375 LIL FROG Terry Wodek 142 Hartford Area David Kaplan 208 Bruce's Fido	1-203-754-9290 Waterbury CT 1-203-274-1395 Waterbury CT 1-203-284-8070 Wallingford CT 1-203-238-0462 Meriden CT 1-203-782-9787 New Haven CT 1-203-333-0493 Bridgeport CT 1-203-926-6352 Shelton CT 1-203-268-3111 Trumbull CT 1-203-683-5466 Windsor CT	RE: 2400 1200 1200 2400 2400 2400 2400 2400
HOST	Jim Warren 730 Ganymede Joel Robb 810 Compusoft I Bill Lyman 820 Compusoft II Mike Matell 212 Mission Ctl II Sal Guido 215 BCP Technologi Ed Rauh 269 RisQue BBS Rick S. 333 ASCII Neighborhood Bob Morris 335 After 6 Phil Palumbo 375 LIL FROG Terry Wodek 142 Hartford Area David Kaplan 208 Bruce's Fido Bruce Lomasky	1-203-754-9290 Waterbury CT 1-203-274-1395 Waterbury CT 1-203-284-8070 Wallingford CT 1-203-238-0462 Meriden CT 1-203-782-9787 New Haven CT 1-203-333-0493 Bridgeport CT 1-203-926-6352 Shelton CT 1-203-268-3111 Trumbull CT 1-203-268-35466 Windsor CT 1-203-236-3761 W Hartford CT 1-203-267-0076	RE: 2400 1200 1200 2400 2400 RE: 1200 2400 1200 RE:,wk:6pm- 7am 2400 1200 RE:
HOST	Jim Warren 730 Ganymede Joel Robb 810 Compusoft I Bill Lyman 820 Compusoft II Mike Matell 212 Mission Ctl II Sal Guido 215 BCP Technologi Ed Rauh 269 RisQue BBS Rick S. 333 ASCII Neighborhood Bob Morris 335 After 6 Phil Palumbo 375 LIL FROG Terry Wodek 142 Hartford Area David Kaplan 208 Bruce's Fido Bruce Lomasky 214 Bill's Fido Bill Unghire	1-203-754-9290 Waterbury CT 1-203-274-1395 Waterbury CT 1-203-284-8070 Wallingford CT 1-203-238-0462 Meriden CT 1-203-782-9787 New Haven CT 1-203-333-0493 Bridgeport CT 1-203-926-6352 Shelton CT 1-203-268-3111 Trumbull CT 1-203-268-35466 Windsor CT 1-203-236-3761 W Hartford CT 1-203-267-0076	RE: 2400 1200 1200 2400 2400 RE: 1200 2400 1200 RE:,wk:6pm- 7am 2400 1200 RE: 2400 2400
HOST	Jim Warren 730 Ganymede Joel Robb 810 Compusoft I Bill Lyman 820 Compusoft II Mike Matell 212 Mission Ctl II Sal Guido 215 BCP Technologi Ed Rauh 269 RisQue BBS Rick S. 333 ASCII Neighborhood Bob Morris 335 After 6 Phil Palumbo 375 LIL FROG Terry Wodek 142 Hartford Area David Kaplan 208 Bruce's Fido Bruce Lomasky 214 Bill's Fido Bill Unghire 222 SPACER'S NODE!	1-203-754-9290 Waterbury CT 1-203-274-1395 Waterbury CT 1-203-284-8070 Wallingford CT 1-203-238-0462 Meriden CT 1-203-782-9787 New Haven CT 1-203-782-9787 New Haven CT 1-203-333-0493 Bridgepot CT 1-203-926-6352 Shelton CT 1-203-268-3111 Trumbull CT 1-203-683-5466 Windsor CT 1-203-683-5466 Windsor CT 1-203-687-0076 Newington CT 1-203-68-562	RE: 2400 1200 1200 2400 2400 2400 2400 2400
HOST	Jim Warren 730 Ganymede Joel Robb 810 Compusoft I Bill Lyman 820 Compusoft II Mike Matell 212 Mission Ctl II Sal Guido 215 BCP Technologi Ed Rauh 269 RisQue BBS Rick S. 333 ASCII Neighborhood Bob Morris 335 After 6 Phil Palumbo 375 LIL FROG Terry Wodek 142 Hartford Area David Kaplan 208 Bruce's Fido Bruce Lomasky 214 Bill's Fido Bill Unghire 222 SPACER'S NODE! Tim Carter	1-203-754-9290 Waterbury CT 1-203-274-1395 Waterbury CT 1-203-284-8070 Wallingford CT 1-203-238-0462 Meriden CT 1-203-782-9787 New Haven CT 1-203-333-0493 Bridgeport CT 1-203-926-6352 Shelton CT 1-203-268-3111 Trumbull CT 1-203-268-35466 Windsor CT 1-203-236-3761 W Hartford CT 1-203-267-0076	RE: 2400 1200 1200 2400 2400 RE: 1200 2400 1200 RE:,wk:6pm- 7am 2400 1200 RE: 2400 2400
HOST	Jim Warren 730 Ganymede Joel Robb 810 Compusoft I Bill Lyman 820 Compusoft II Mike Matell 212 Mission Ctl II Sal Guido 215 BCP Technologi Ed Rauh 269 RisQue BBS Rick S. 333 ASCII Neighborhood Bob Morris 335 After 6 Phil Palumbo 375 LIL FROG Terry Wodek 142 Hartford Area David Kaplan 208 Bruce's Fido Bruce Lomasky 214 Bill's Fido Bill Unghire 222 SPACER'S NODE!	1-203-754-9290 Waterbury CT 1-203-274-1395 Waterbury CT 1-203-284-8070 Wallingford CT 1-203-238-0462 Meriden CT 1-203-782-9787 New Haven CT 1-203-333-0493 Bridgeport CT 1-203-934-9852 Hamden CT 1-203-926-6352 Shelton CT 1-203-268-3111 Trumbull CT 1-203-268-35466 Windsor CT 1-203-236-3761 W Hartford CT 1-203-278-8562 Hartford CT	RE: 2400 1200 1200 2400 2400 RE: 1200 2400 1200 RE:,wk:6pm- 7am 2400 1200 RE: 2400 2400 1200 RE: 2400 2400

CUSS Network Newsletter, Summer 86

-			
-	387 AEtna Fido	1-203-683-5466	1200
	David Kaplan	Windsor CT	RE:
	388 IDMS Users Assoc	1-203-273-1655	1200
	Mike Berstene	Hartford CT	RE:,WK:430
			p-6a,WE:
	610 SoftwarExpress	1-203-875-9342	2400
	Frank Kotch	Vernon CT	WK:7p-7a,WE:
REGION	17 North West	1-206-581-7003	2400
	Rob Barker	AK ID MT OR WA BC	
	Hoo Barnor	ALB SSK	
	1 The Castle	1-503-758-4701	2400
	Lee Damon	Corvallis OR	DA:9p-9a,SU:
	28 NotQuiteFulDec	1-403-791-1486	2400
		Ft McMurray AB	2400
	Don Thompson	1-604-478-2234	1200
	36 Datawest		1200
	Ken Yerex	Victoria BC	0400
	37 CareerInfoSys	1-503-686-3826	2400
	Kent Loobey	Eugene OR	DA:5:15p-7:
			45a,WE:
HOST	105 Portland Area	1-503-233-6583	2400
	Doug Forman	Portland OR	
	1 PDX PC Club	1-503-281-8322	2400
	James Deibele	Portland OR	RE:
	2 Northwest Super Fido	1-503-692-6243	2400
	Justin Norman	Sherwood OR	
	3 Dim Sum	1-503-644-6129	1200
	Jim Sells	Beaverton OR	11P-6P WK:
	7 ComputerLand	1-503-620-0225	1200
	Jim Willing	Portland OR	1200
	9 MacSustans (MIM	1-503-233-6583	2400
	8 MacSystem/NW	Partland OD	2400
	Doug Forman	Portland OR	0400
	10 Oswego Fido Bill Jones	1-503-636-1212	2400
	Bill Jones	Portland OR	0.000
	11 Crosstar II	1-206-574-4773	2400
	Dan Gallagher	Vancouver WA	
	12 MicroLine Fido	1-503-761-7941	2400
	Mike Meyers	Portland OR	RE:DA:5PM-
			9AM,WK:
	13 BECA Fido	1-503-760-6411	1200
		Portland OR	WK:11PM-5
	Doug Lewis	Furtiand On	PM.WK:
	15 DC Constanting	1 500 650 7000	
	15 PC Connection	1-503-659-7362	2400
	Troy Meyers	Portland OR	
	16 Shotgun Fido	1-503-760-452	
	Jim Montgomery	Portiand OR	
	17 Magnum Fido	1-503-692-1993	1200
	Dane McNeill	Portland OR	
	18 Mag Fido	1-503-246-1731	1200
	John Boren	Portland OR	WK:11PM-5
	Boron Boron	I DITIGITO OTT	PM,WK:10P-
			M-10AM
	20 ABBS	1-503-229-3081	1200
			DALEDNADA
	Marc Feldesman	Portland OR	DA:5PM-8A-
			M.WK
	361 WSO's Roost	1-503-281-0952	2400
	Don Flinn	Portland OR	DA:7AM-11
			PM,RE:
HOST	122 SW Oregon Area	1-503-269-5202	2400
	Randy Bush	Coos Bay OR	XP:
	4 PSG Vancouver	1-604-228-9706	1200
	Ted Powell	Vancouver BC	
			2400
	6 PSG Coos Bay	1-503-269-5202	XP:
	Randy Bush	Coos Bay OR	A1 ,
LICOT	124 Colema Mat	1 402 202 4 702	2400
HOST	134 Calgary Net	1-403-282-1703	2400
	Lloyd Miller	Calgary Alberta	0.100
	1 Calgary Fido	1-403-282-1703	2400
	Lloyd Miller	Calgary Alberta	0.100
	3 HUSKY's Board	1-403-743-4900	2400
	Don Thompson	Fort McMurray Alberta	
	6 Calgary Online	1-403-237-7886	1200
	Grant Fengstad	Caldary Alberta	
	7 TC-Link	1-403-295-2541	2400
	Terry Cioni	Calgary Alberta	
	101 Nemesis Fido RB	1-403-355-3881	2400
	Benoit Guay	Faust Alberta	
	102 Lethbridge Online	1-403-328-8024	1200
	Bill Ripley	Lethbridge Alberta	-
	Dim Tupicy	Lothonage Alberta	
LOCT	138 PAC NORWEST	1-206-527-5618	2400
HOST			2400
	Neal Curtin	Washington	2400
	3 PROBUS INTRNTL	1-206-848-9232	2400
	Steve Butler	Puyallup WA	WK:11p-6p.
			WE:
	4 PTC Net	1-206-757-5233	2400
	Arlen Fletcher	Mt Vernon WA	WK:5p-7a,WE:
	14 BECS TandyFido	1-206-527-5618	2400
	Manl Curtin	Seattle WA	RE
	Nea Cullin		2400
	Neal Curtin 17 NCRL Library	1-009-003-0737	
	17 NCRL Library	1-509-663-5232 Wenatchee WA	
	17 NCRL Library Howard Purcet	Wenatchee WA	1200
	17 NCRL Library Howard Purcet 24 Fox's Den	Wenatchee WA 1-206-525-1357	1200 DA:80-8a:XP
	17 NCRL Library Howard Purcet 24 Fox's Den Karen Andrews	Wenatchee WA 1-206-525-1357 Seattle WA	DA:8p-8a:XP
	17 NCRL Library Howard Purceti 24 Fox's Den Karen Andrews 29 Trouble Shooter	Wenatchee WA 1-206-525-1357 Seattle WA 1-206-922-0106	
	17 NCRL Library Howard Purceth 24 Fox's Den Karen Andrews 29 Trouble Shooter John Johansen	Wenatchee WA 1-206-525-1357 Seattle WA 1-206-922-0106 Tacoma WA	DA:8p-8a:XP 2400
	17 NCRL Library Howard Purcetl 24 Fox's Den Karen Andrews 29 Trouble Shooter John Johansen 32 Glacier Peak Rainbow	Wenatchee WA 1-206-525-1357 Seattle WA 1-206-922-0106 Tacoma WA 1-206-644-8431	DA:8p-8a:XP 2400 2400
	17 NCRL Library Howard Purceth 24 Fox's Den Karen Andrews 29 Trouble Shooter John Johansen	Wenatchee WA 1-206-525-1357 Seattle WA 1-206-922-0106 Tacoma WA	DA:8p-8a:XP 2400 2400 WK:12m-5p,
	17 NCRL Library Howard Purcetl 24 Fox's Den Karen Andrews 29 Trouble Shooter John Johansen 32 Glacier Peak Rainbow	Wenatchee WA 1-206-525-1357 Seattle WA 1-206-922-0106 Tacoma WA 1-206-644-8431	DA:8p-8a:XP 2400 2400

	Rob Barker	Steilacoom WA	2400
	35 US HDS Human Service Steve Ice	Seattle WA	2400 12p-6a,WE:
	37 Mac's Revenge	1-206-752-8481	1200
	Mark Gregory	Tacoma WA	WK:6p-7a,WE:
	38 Silver Fido Bob Renfro	1-206-692-3905 Silverdale WA	1200 WK:5p-8a,WE:
	39 Computer Coach	1-206-565-1476	2400
	Tracy Graves	Tacoma WA	MailOnly
	40 Datawest	1-604-478-2234	1200
	Ken Yerex 241 Fox's Den Remote	Victoria B C 1-206-344-5365	1200
	Karl Andrews	Seattle WA	6p-7a,WE:XP:
HOST	140 Sask Net Ken Ganshirt	1-306-347-4493 Regina Sask	2400 DA:6P-7A,WE:
	18 SaskTel-1	1-306-543-1949	2400
	Ken Ganshirt	Regina Sask	RE:Mail-Only
	19 SaskTel-2	1-306-347-4420	2400
	Ken Ganshirt 20 REGINA FIDO	Regina Sask 1-306-347-4493	RE:Mail-Only 2400
	Ken Ganshirt	Regina Sask	DA:6P-7A,WE:
	22 Benden Weyr	1-306-384-2844	1200
	Ken Read 24 ESTEVAN FIDO	Saskatoon Sask 1-306-634-9935	RE: 2400
	Bob Swift	Estevan Sask	2400
HOST	152 Eugene Net Mike Harrington	1-503-683-4350 Eugene Or	2400
	1 Blue Telegraph	1-503-683-4350	2400
	Mike Harrington	Eugene OR	
	2 Buffer Board	1-503-747-7636	2400
	George Butts 3 ORTLAND	Springfield OR 1-503-726-1815	2400
	Paul Ortman	Springfield OR	
	7 Palantir BBS	1-503-461-0239	1200
	Keith Ullman	Eugene OR	
HOST	153 BCNet	1-604-589-5441	2400
	Andy Harper	Vancouver BC	
	101 Datanet	1-604-589-5441 Delta BC	2400
	Andy Harper 102 Dial a File	1-604-736-5311	2400
	Steve Fairbairn	Vancouver BC	
	104 Sunlight Zone	1-604-581-1778	1200
	Chris Goodman 106 KEA Board	Delta BC 1-604-732-1019	2,80
	Doug McFadyen	Vancouver BC	WK:6p-10a.
			WE:
REGION	18 South East	1-601-545-1225	2400
-	Jerry Nuckols	AL FL GA MS NC SC TN	
	3 Crystal Coast FIDO	1-919-326-3740 Swansboro NC	2400
	Michael Hill 4 The Exchange	1-919-346-5755	1200
	David Ellison	Jacksonville NC	
	5 The Dog Pound	1-904-581-0045	1200
	David Payne 6 Sanyo Club	Fort Walton Beach FL 1-305-831-1679	DA:7a-5p,7p-3a 1200
	Joe Lewis	Altamonte Spgs FL	
	8 Fido	1-601-895-5112	1200
	Rick Maddox 9 QX Connect	Gulfport MS 1-919-455-1933	1200
	Phil Ferraro	Jacksonville NC	DA:6p-6a,SA:
	11 Southern Fido	1-601-545-1225	2400
	Jerry Nuckols 12 The Rat's Nest	Hattiesburg MS 1-803-788-6797	1200
	Paul Beverly	Columbia SC	
	13 TABS FIDO	1-601-634-2365	2400
	Don Bach	Vicksburg MS	DA:11a-12p. 2p-7a,WE:
	14 RSBBS	1-904-682-3232	1200
	Roger Smith	Crestview FL	
	15 Dr. Fido	1-305-744-7862	2400
			1200
	15 Dr. Fido Ron Innerfield	1-305-744-7862 Tequesta FL	
HOST	15 Dr. Fido Ron Innerfield 16 The Last Resort Bill Crawford	1-305-744-7862 Tequesta FL 1-615-892-7773 Chattanooga TN	1200
HOST	15 Dr. Fido Ron Innerfield 16 The Last Resort Bill Crawford 112 Florida's 1st Coast	1-305-744-7862 Tequesta FL 1-615-892-7773 Chattanooga TN 1-904-721-3804	
HOST	15 Dr. Fido Ron Innerfield 16 The Last Resort Bill Crawford	1-305-744-7862 Tequesta FL 1-615-892-7773 Chattanooga TN 1-904-721-3804 Jacksonville FL 1-904-733-4515	1200
HOST	15 Dr. Fido Ron Innerfield 16 The Last Resort Bill Crawford 112 Florida's 1st Coast Pete Cascio 1 Casa Mi Amiga Mitch Kelly	1-305-744-7862 Tequesta FL 1-615-892-7773 Chattanooga TN 1-904-721-3804 Jacksonville FL 1-904-733-4515 Jacksonville FL	1200 2400 1200
HOST	15 Dr. Fido Ron Innerfield 16 The Last Resort Bill Crawford 112 Florida's 1st Coast Pete Cascio 1 Casa Mi Amiga Mitch Kelly 2 JUG FIDO	1-305-744-7862 Tequesta FL 1-615-892-7773 Chattanooga TN 1-904-721-3804 Jacksonville FL 1-904-733-4515 Jacksonville FL 1-904-783-4777	1200 2400 1200 1200
HOST	15 Dr. Fido Ron Innerfield 16 The Last Resort Bill Crawford 112 Florida's 1st Coast Pete Cascio 1 Casa Mi Amiga Mitch Kelly 2 JUG FIDO Ervin Miller 3 The Twilight Zone	1-305-744-7862 Tequesta FL 1-615-892-7773 Chattanooga TN 1-904-721-3804 Jacksonville FL 1-904-733-4515 Jacksonville FL 1-904-783-4777 Jacksonville FL 1-904-241-7872	1200 2400 1200
HOST	15 Dr. Fido Ron Innerfield 16 The Last Resort Bill Crawford 112 Florida's 1st Coast Pete Cascio 1 Casa Mi Amiga Mitch Kelly 2 JUG FIDO Ervin Miller 3 The Twilight Zone Brian Bream	1-305-744-7862 Tequesta FL 1-615-892-7773 Chattanooga TN 1-904-721-3804 Jacksonville FL 1-904-733-4515 Jacksonville FL 1-904-783-4777 Jacksonville FL 1-904-241-7872 Neptune Beach FL	1200 2400 1200 RE: 1200
HOST	15 Dr. Fido Ron Innerfield 16 The Last Resort Bill Crawford 112 Florida's 1st Coast Pete Cascio 1 Casa Mi Amiga Mitch Kelly 2 JUG FIDO Ervin Miller 3 The Twilight Zone Brian Bream 4 The Bus Depot	1-305-744-7862 Tequesta FL 1-615-892-7773 Chattanooga TN 1-904-721-3804 Jacksonville FL 1-904-733-4515 Jacksonville FL 1-904-783-4777 Jacksonville FL 1-904-241-7872	1200 2400 1200 RE:
HOST	15 Dr. Fido Ron Innerfield 16 The Last Resort Bill Crawford 112 Florida's 1st Coast Pete Cascio 1 Casa Mi Amiga Mitch Kelly 2 JUG FIDO Ervin Miller 3 The Twilight Zone Brian Bream 4 The Bus Depot Felix Pendas 5 Mac's Madness	1-305-744-7862 Tequesta FL 1-615-892-7773 Chattanooga TN 1-904-721-3804 Jacksonville FL 1-904-733-4515 Jacksonville FL 1-904-783-4777 Jacksonville FL 1-904-7872 Neptune Beach FL 1-904-262-6761 Mandarin FL 1-904-768-3854	1200 2400 1200 RE: 1200
HOST	15 Dr. Fido Ron Innerfield 16 The Last Resort Bill Crawford 112 Florida's 1st Coast Pete Cascio 1 Casa Mi Amiga Mitch Kelly 2 JUG FIDO Ervin Miller 3 The Twilight Zone Brian Bream 4 The Bus Depot Felix Pendas 5 Mac's Madness Stan McLeod	1-305-744-7862 Tequesta FL 1-615-892-7773 Chattanooga TN 1-904-721-3804 Jacksonville FL 1-904-733-4515 Jacksonville FL 1-904-241-7872 Neptune Beach FL 1-904-262-6761 Mandarin FL 1-904-768-3854 Jacksonville FL	1200 2400 1200 1200 RE: 1200 1200 1200
HOST	15 Dr. Fido Ron Innerfield 16 The Last Resort Bill Crawford 112 Florida's 1st Coast Pete Cascio 1 Casa Mi Amiga Mitch Kelly 2 JUG FIDO Ervin Miller 3 The Twilight Zone Brian Bream 4 The Bus Depot Felix Pendas 5 Mac's Madness Stan McLeod 6 The Audit Trail	1-305-744-7862 Tequesta FL 1-615-892-7773 Chattanooga TN 1-904-721-3804 Jacksonville FL 1-904-733-4515 Jacksonville FL 1-904-783-4777 Jacksonville FL 1-904-241-7872 Neptune Beach FL 1-904-262-6761 Mandarin FL 1-904-768-3854 Jacksonville FL 1-904-262-1646	1200 2400 1200 1200 RE: 1200 1200
HOST	15 Dr. Fido Ron Innerfield 16 The Last Resort Bill Crawford 112 Florida's 1st Coast Pete Cascio 1 Casa Mi Amiga Mitch Kelly 2 JUG FIDO Ervin Miller 3 The Twilight Zone Brian Bream 4 The Bus Depot Felix Pendas 5 Mac's Madness Stan McLeod 6 The Audit Trail Bill Denham 344 The Dog House	1-305-744-7862 Tequesta FL 1-615-892-7773 Chattanooga TN 1-904-721-3804 Jacksonville FL 1-904-733-4515 Jacksonville FL 1-904-783-4777 Jacksonville FL 1-904-281-7872 Neptune Beach FL 1-904-262-6761 Mandarin FL 1-904-262-1646 Mandarin FL 1-904-262-1646 Mandarin FL 1-904-262-16804	1200 2400 1200 1200 RE: 1200 1200 1200
HOST	15 Dr. Fido Ron Innerfield 16 The Last Resort Bill Crawford 112 Florida's 1st Coast Pete Cascio 1 Casa Mi Arniga Mitch Kelly 2 JUG FIDO Ervin Miller 3 The Twilight Zone Brian Bream 4 The Bus Depot Felix Pendas 5 Mac's Madness Stan McLeod 6 The Audit Trail Bill Denham	1-305-744-7862 Tequesta FL 1-615-892-7773 Chattanooga TN 1-904-721-3804 Jacksonville FL 1-904-733-4515 Jacksonville FL 1-904-783-4777 Jacksonville FL 1-904-7872 Neptune Beach FL 1-904-262-6761 Mandarin FL 1-904-262-1646 Mandarin FL	1200 2400 1200 RE: 1200 1200 1200 1200 1200
HOST	15 Dr. Fido Ron Innerfield 16 The Last Resort Bill Crawford 112 Florida's 1st Coast Pete Cascio 1 Casa Mi Amiga Mitch Kelly 2 JUG FIDO Ervin Miller 3 The Twilight Zone Brian Bream 4 The Bus Depot Felix Pendas 5 Mac's Madness Stan McLeod 6 The Audit Trail Bill Denham 344 The Dog House	1-305-744-7862 Tequesta FL 1-615-892-7773 Chattanooga TN 1-904-721-3804 Jacksonville FL 1-904-733-4515 Jacksonville FL 1-904-783-4777 Jacksonville FL 1-904-281-7872 Neptune Beach FL 1-904-262-6761 Mandarin FL 1-904-262-1646 Mandarin FL 1-904-262-1646 Mandarin FL 1-904-262-16804	1200 2400 1200 RE: 1200 1200 1200 1200 1200
	15 Dr. Fido Ron Innerfield 16 The Last Resort Bill Crawford 112 Florida's 1st Coast Pete Cascio 1 Casa Mi Amiga Mitch Kelly 2 JUG FIDO Ervin Miller 3 The Twilight Zone Brian Bream 4 The Bus Depot Felix Pendas 5 Mac's Madness Stan McLeod 6 The Audit Trail Bill Denham 344 The Dog House Pete Cascio 116 NashvilleArea Rick Steele	1-305-744-7862 Tequesta FL 1-615-892-7773 Chattanooga TN 1-904-721-3804 Jacksonville FL 1-904-733-4515 Jacksonville FL 1-904-241-7872 Neptune Beach FL 1-904-262-6761 Mandarin FL 1-904-262-1646 Mandarin FL 1-904-262-1646 Mandarin FL 1-904-271-3804 Jacksonville FL 1-615-885-2198 Nashville TN	1200 2400 1200 RE: 1200 1200 1200 1200 2400
	15 Dr. Fido Ron Innerfield 16 The Last Resort Bill Crawford 112 Florida's 1st Coast Pete Cascio 1 Casa Mi Amiga Mitch Kelly 2 JUG FIDO Ervin Miller 3 The Twilight Zone Brian Bream 4 The Bus Depot Felix Pendas 5 Mac's Madness Stan McLeod 6 The Audit Trail Bill Denham 344 The Dog House Pete Cascio 116 NashvilleArea Rick Steele 400 Sys/Net	1-305-744-7862 Tequesta FL 1-615-892-7773 Chattanooga TN 1-904-721-3804 Jacksonville FL 1-904-733-4515 Jacksonville FL 1-904-783-4777 Jacksonville FL 1-904-7872 Neptune Beach FL 1-904-262-6761 Mandarin FL 1-904-768-3854 Jacksonville FL 1-904-721-3804 Jacksonville FL 1-904-721-3804 Jacksonville FL 1-615-885-2198	1200 2400 1200 1200 RE: 1200 1200 1200 1200 2400
	15 Dr. Fido Ron Innerfield 16 The Last Resort Bill Crawford 112 Florida's 1st Coast Pete Cascio 1 Casa Mi Amiga Mitch Kelly 2 JUG FIDO Ervin Miller 3 The Twilight Zone Brian Bream 4 The Bus Depot Felix Pendas 5 Mac's Madness Stan McLeod 6 The Audit Trail Bill Denham 344 The Dog House Pete Cascio 116 NashvilleArea Rick Steele	1-305-744-7862 Tequesta FL 1-615-892-7773 Chattanooga TN 1-904-721-3804 Jacksonville FL 1-904-733-4515 Jacksonville FL 1-904-241-7872 Neptune Beach FL 1-904-262-6761 Mandarin FL 1-904-262-1646 Mandarin FL 1-904-262-1646 Mandarin FL 1-904-271-3804 Jacksonville FL 1-615-885-2198 Nashville TN	1200 2400 1200 RE: 1200 1200 1200 1200 2400
	15 Dr. Fido Ron Innerfield 16 The Last Resort Bill Crawford 112 Florida's 1st Coast Pete Cascio 1 Casa Mi Amiga Mitch Kelly 2 JUG FIDO Ervin Miller 3 The Twilight Zone Brian Bream 4 The Bus Depot Felix Pendas 5 Mac's Madness Stan McLeod 6 The Audit Trail Bill Denham 344 The Dog House Pete Cascio 116 NashvilleArea Rick Steele 400 Sys/Net Rick Steele	1-305-744-7862 Tequesta FL 1-615-892-7773 Chattanooga TN 1-904-721-3804 Jacksonville FL 1-904-733-4515 Jacksonville FL 1-904-783-4777 Jacksonville FL 1-904-262-6761 Mandarin FL 1-904-262-7661 Mandarin FL 1-904-262-1646 Mandarin FL 1-904-721-3804 Jacksonville FL 1-615-885-2198 Nashville TN 1-615-885-2198 Nashville TN	1200 2400 1200 RE: 1200 1200 1200 1200 2400 2400

				,			
	3 Springfield Fido	1-615-384-1260	1200		100 TTIBBS	1-919-851-8460	2400
	Tony Howell	Springfield TN		1	Amnon Nissan	Raleigh NC	
				1	101 EQUAL BBS	1-919-851-6806	1200
HOST	118 Alabama Area	1-205-883-8367	2400		Mike Bowen	Raleigh NC	
	Mike Williams	Huntsville AL			103 Wolf Comm	1-919-876-0134	1200
	442 TCS	1-205-830-2334	1200		John Mensing	Raleigh NC	
	Tim Meyers	Huntsville AL	0.400		104 Nibble & Byte	1-919-942-9267	1200
	603 Telcomm Bbs	1-205-883-8367	2400		Ron Bernis	Chapel Hill NC	
	Mike Perdue 604 CompuNet	Huntsville AL	1200	RECION	10 Tewarkana	1 405 709 0462	0400
	Jon Allen	1-205-534-8246 Huntsville Al	1200	I REGION	19 Texarkana Mark Grennan	1-405-728-2463 AR LA OK TX	2400
	oon valen	Hundavine Al			329 Computer Aide	1-918-493-2137	2400
HOST	123 MemphisNET	1-901-353-4563	2400		Mike Johnson	Tulsa OK	2400
	Jerry Hindle	Memphis TN			198 Quik-Net	1-409-544-2257	1200
	1 Stewart Software BBS	1-901-761-5018	1200		Mike Brimberry	Crockett TX	RE:
	Bill Stewart	Memphis TN			199 Electro-Net	1-409-544-2120	2400
	2 FidoPlex	1-901-377-8180	2400		Dustin Brimberry	Crockett TX	DA:10p-4pm
	Richard Kalata		Memphis TN		200 The Bull's Eye	1-806-742-6832	2400
	6 Spacestation Earth	1-901-353-4563	2400		Bob Martin	Lubbock TX	DA:9p-6am
	Jerry Hindle 367 GEMS-BBS	Memphis TN 1-901-278-4367	1200		201 Fido's Domain	1-318-869-1258	1200
	Bradford ARP	Memphis TN	1200		Nevin Nobles	Shreveport LA	DA:7pm-7a- m,SA:3pm-7
	Biadiora Ani						amMon
HOST	133 ATLGATE	1-404-928-1876	2400		203 Centex Fido	1-817-778-6305	2400
	Ken Shackelford	Atlanta GA			V Subramanian	Temple TX	2100
	1 ATL/FIDO1	1-404-928-1876	2400		205 BroadsidePCir	1-918-496-2055	2400
	Ken Shackelford	Woodstock GA	XP:		David Wollman	Tulsa OK	
	2 Fido South	1-404-995-0182	1200		206 Cal-Trek	1-409-948-2732	2400
	Lane Fowler	Atlanta GA			Calvin Jennings	Texas City TX	
	6 AutoCAD BBS	1-404-872-8421	1200		208 SARCO LTD	1-918-663-5535	2400
	Steve Fox	Atlanta GA			Jack Coursey	Tulsa OK	DA:10pm-8am
HOST	135 S-FLorida Net	1-305-596-8611	1200		437 C NET Mike Ferguson	1-806-293-4925 Plainview TX	2400 MO:
1001	Christopher Baker	Miami FL	RE: XP:		210 XroadsMedNet	1-512-572-3377	1200
	2 Miami Dade Fido	1-305-347-2790	2400		Bill Brendel	Victoria TX	DA:1900-06
	Richard White	Miami FL	WK:6p-7a,W-				00,WK:24hrs
			E:,RE:		211 Comtech FIDO	1-918-749-4610	1200
	3 Genesis BBS	1-305-895-2998	1200		Allen Alfrey	Tulsa OK	MO:RE:
	Blake Eiseman	N Miami FL	RE:		212 ENTRE Fido	1-918-493-2309	1200
	4 Ram Soft Fido	1-305-226-3310	1200		Jack Coursey	Tulsa OK	
	David Gilbert	Miami FL	RE: XP:		213 MicroApplicati	1-915-592-9409	1200
	5 Miami PC Network Michael Shalom	1-305-935-4964 N Miami Beach FL	2400		Richard Gladden 214 DIG El Paso	El Paso TX	DA:2100-0800
	6 DOS Center Fido	1-305-391-8504	1200		Sam Thomas	1-915-592-5424 El Paso TX	2400
	Michael Krasnove	Boca Raton FL	WK:630p-93		215 PC Designs	1-918-254-0354	1200
			Oa,WE:RE:		Allen Alfrey	Tulsa OK	
	7 Miami's First Fido	1-305-554-4602	2400		216 Soft Fido	1-318-636-4402	1200
	Al de la Torre	Miami FL	RE:,XP:		Daniel Tobias	Shreveport LA	0.100
	8 CompuSci Fido C Moore/M Ache	1-305-758-4821 Miami Shores FL	1200 RE:		217 SEAdog Fido Charles Calwell	1-501-374-3533 Litttle Rock AR	2400
	14 Metro-Fire Fido	1-305-596-8611	1200		218 PSO Tech Board	1-918-599-3001	2400
	Christopher Baker	Miami FL	RE: XP:		Bert Hunsicker	Tulsa OK	RE:5pm-8am
					219 Command Post	1-915-821-8835	1200
HOST	137 Fla Suncoast Net	1-813-497-1684	2400		Donald Shults	El Paso TX	
	Jim French	Venice FL	RE:		220 Wash 'n Ware	1-504-291-7353	2400
	10 Sarasota High Online	1-813-953-3033	1200		Joey Robichaux	Baton Rouge LA	
	Jim Johari 11 ABC Electronics	Sarasota FL 1-813-924-4590	RE: 1200	HOST	106 Houston Area	1-713-978-3554	2400
	Jeff Rigby/Scott Qua Sara		RE:	riost	Justin Marquez	Houston TX	2400
	19 Ark Tangent	1-813-977-5347	2400		2 I.T.C BBS	1-713-523-7255	2400
	Wes Cowley	Tampa FL	DA:6pm-10am		Richard Polunsky	Houston TX	
	20 TSB Fido	1-813-497-1684	2400		60 Artichoke	1-713-978-3554	2400
	Jim French	Venice FL	RE:		Justin Marquez	Houston TX	
	30 Suncoast On-line Sys	1-813-497-1827	2400		64 Graf Spee	1-713-530-8596	1200
	Dave Bebermeyer	Venice FL	RE:		Jay Maynard	Houston TX 1-713-831-3868	RE:,MO: 1200
HOST	145 Space Coast	1-305-268-0216	1200		332 American Conn David Reinsel	Houston TX	WK:5p-7a,W-
1001	Steve LaPha	Titusville FL	DA:9p-9a		David Heinsei	HOUSION IN	E:,RE:
	4 CompuTrac Fido	1-305-268-0216	1200		343 PC Interconn	1-713-955-8120	1200
	Steve LaPha	Titusville FI	DA:9p-9a		David Reinsel	Houston TX	
	5 The Lair	1-305-830-8494	1200		352 DG Haus	1-713-681-9629	1200
	Robert Hupf	Altamonte Spgs FL	WK:430p-8a-		Lynn Lively	Houston TX	WK:6p-7a,WE:
			,WE:		357 TMBBS	1-713-497-5433	1200 RE-0-30 22-30
HOST	151 Triad NC Net	1-919-274-5760	2400		Scott Royall	Houston TX	RE:9:30-23:30 p,Su-Th,WE:
1001	Ben Mann	Greensboro NC	2400		487 Zaisan-Net	1-713-337-1415	2400
	2 Alert Data	1-919-274-5760	2400		Jack Cochran	Houston TX	
	Ben Mann	Greensboro NC			501 West Oaks	1-713-485-7204	1200
	3 Wizard Line	1-919-854-0261	1200		Charles Cummings	Houston TX	WK:7p-7a,WE:
	David Bodman	Greensboro NC	RE:1AM-6AM		502 Kool Kat	1-713-488-0707	1200
	10 Star Chamber Marshall Presnell	1-919-299-4668 Greensboro NC	1200 MO:		David Patterson 777 TBL-COMM	Houston TX 1-713-661-9040	2400
	Marshall Freshell	Creensboro NC	DA:12AM-7	1	Jim Baker	Houston TX	RE:
			AM		101 Fidos Partner	1-713-458-7410	2400
	101 EQUAL	1-919-851-6806	1200		Gary Sanborn	Houston TX	
	Mike Bowen	Raleigh NC			105 North Ho HUG	1-713-583-1287	2400
	102 TTIBBS	1-919-851-8460	1200		Donald Fletcher	Houston TX	1000
	Amnon Nissan	Raleigh NC	2400	-	106 Black Star	1-713-458-5406	1200
	301 The BNC Connector Bill Schreiber	1-704-262-1861 Boone NC	2400		Jim Black 107 The Right Place	Houston TX 1-713-933-1457	1200
	401 Fido's One Dish	1-919-222-0801	2400		Dave Graessle	Houston TX	1200
	Dave Neathery	Graham NC			108 Stormy Weather	1-713-644-4345	1200
	501 Crystal Coast Fido	1-919-326-3740	1200		David Monteiro	Houston TX	
	Michael Hill	Swansboro NC	1000	-	1901 Cal Trek	1-409-948-2732	2400
	502 QX Connect	1-919-455-1933	1200		Calvin Jennings	Galveston TX	
	Phil Ferraro	Jacksonville NC	DA:6PM-6A- M,SA:	HOST	117 Bryan Area	1-409-845-0510	2400
			M, OA.	11001	Paul Sittler	Bryan TX	DA:12m-8a
HOST	158 N C CENTRAL	1-919-851-8460	2400		1 My Word 2	1-409-764-0056	2400
	Amnon Nissan	Raleigh NC			Paul Sittler	College Stn TX	
				1			

95			
	100 The PC Connection	1-409-774-7227	2400
	Chris Cox	Bryan TX	
	101 Sherwood Forest	1-409-775-2155	1200
	Sid Sherwood	Bryan TX	DA:12m-5p
	102 CS/B Z100-Fido	1-409-693-2235	2400
	Chris Lang	College Stn TX	Su-Th:11p-6p,
	enne Lang		Fr-Sa:11p-9a
	469 My Word	1-409-845-0510	2400
	Paul Sittler	College Stn TX	DA:12m-8a
	1261 Vet Tch Hos	3 400 945 0100	2400
		1-409-845-9199	DALER RA
	Ron Robertson	College Stn TX	DA:5p-8a
	1262 Elite Sft Dev	1-409-846-4367	1200
	Mike Ringer	Bryan TX	
	1265 TAMU Micro Center		2400
	John Kane	College Stn TX	
	1267 TAMU Micro Supt Tony Overfield	1-409-845-2690	2400
	Tony Overfield	College Stn TX	
	1302 Texas Green		
	Machine	1-409-845-7346	1200
	Don Wilkerson	College Stn TX	
		oonogo on hi	
HOST	124 Dallas MetroplexNet	1-214-422-4772	2400
1031		Dallas TX	2400
	Chuck Lawson	1 014 570 1000	2400
	101 Schnee's Friendly Fl	1-214-370-1300 Blace TV	2400
	John Summers	Plano TX	0400
	102 Inside Track Edition	1-214-422-4772	2400
	Chuck Lawson	Plano TX	XP:6:30a-3:30a
	103 Micro Fido	1-214-271-8899	2400
	Jon Hutto	1-214-271-8899 Garland TX	WK:7A-7P
	104 WARBLE2	1-214-521-8689	2400
	Wayne Ross	Dallas TX	WK:6p-3a,W-
	,		E,RE:
	106 Star's End	1-214-238-8745	2400
	Dan Thompson	Richardson TX	
	109 The Diplomat	1-214-242-9399	2400
	109 The Diplomat		2400
	Robert Eskridge	Carroliton TX	1000
	110 Flying Dutchman #1	1-214-642-3436	1200
	Randy Van de Loo 111 Pink World Fido	Grand Prairie TX	
	111 Pink World Fido	1-214-991-3381	2400
	David Finster	Dallas TX	
	201 DaiTex FIDOnet	1-214-991-7934	1200
	Chris Bradley	Dallas TX	
	3 Dodge City	1-214-494-1940	1200
	Bernie Lawrence	Garland TX	1200
		1-214-392-1121	2400
	10 Big D Fido		2400
	Dennis Forcier	Dallas TX	0400
	205 Video Bar BBS	1-214-939-9114	2400
	Wendell Price	Dallas TX	
	206 Rising Star	1-214-231-1372	2400
	Jeff Rush	Richardson TX	
	207 ComputerCraft Suppor	1-817-263-5809	2400
	David Lovrien	Dallas TX	
	208 Arlington FIDO	1-817-265-4859	1200
	John W Richter	Arlington TX	
	209 Buck\$Board	1-214-331-8813	2400
			2400
	Hank Burden	Dallas TX	2400
	210 SCA Consulting Inc	1-214-380-9063	2400
	Jon Sabol	Dallas TX	1000
	211 Flying Dutchman #2	1-214-494-3417	1200
	Harold Rosee	Garland TX	
HOST	130 DFW Gateway	1-817-429-7300	2400
	Bill Cleaver	Fort Worth TX	
	1 The Puddle	1-817-429-7300	2400
	Bill Cleaver	Fort Worth TX	
	2 Nomads Nook	1-817-926-8922	2400
	Jack R Smith	Fort Worth TX	
	3 The AmERICan B	1-817-457-4737	2400
		Fort Worth TX	2400
	Eric Ewanco		1200
	4 The BBN	1-817-735-8006	1200
	George Braswell	Fort Worth TX	2400
	5 CUSSNET UTA	1-817-273-3966	2400
	Dick Schoech	Arlington TX	2400
	6 TRACK J[ DBS	1-817-244-4151	2400
	Richard Bilyea	Fort Worth TX	1000
	7 ACROPOLIS	1-817-294-7588	1200
	Mitch Hill	Fort Worth TX	100
	8 The Key	1-817-246-1279	1200
	Jeffrey Locke	Fort Worth TX	
HOST	136 CenTex ProComm	1-512-836-8588	2400
11001	George Lehtola	Austin TX	XP:
	91 The DEAD END	1-512-255-1282	1200
	Stove Sparks	Pound Pock TV	12.00
	Steve Sparks	Round Rock TX	2400
	200 Chai Way	1-512-388-3464	2400
	Thomas Gentry	Austin TX	0400
	201 Thunderbird	1-512-448-3701	2400
	James Johnston	Austin TX	1000
	206 Commercial Energy		1200
	Gene Chesser	Austin TX	WK:6PM-7A-
			M,WE:24Hr
	300 Recording Studio	1-512-452-2040	2400
	Larry Seyer	Austin TX	
		1-512-836-8588	2400
	601 Dog's Breath	Austin TX	XP:
	George Lehtola		
	999 Nightmare BBS	1-512-846-6151	1200
	Kevin Stolle	Hutto TX	
11000		1 105 0 10 5000	1000
HOST	147 Okla City Area	1-405-843-5002	1200
	John Knox	Okla City OK	0.400
	1 The SOURCEry System	1-405-728-2463	2400

	David Drexler	Okla City OK	
	3 Fido of Moore	1-405-794-9244	1200
	Clarence Wormley	Moore OK	
	5 Land Ho	1-405-947-7294	1200
	Kurt Vanderwater	Okla City OK	WK:6p-8a,WE:
	7 American BBS	1-405-843-5002	1200
	John Knox	Okla City OK	
HOST	160 CC Net	1-512-992-6441	2400
HUSI	Mark Boler	Corpus Christi TX	2400
	101 DataBank BBS	1-512-992-6441	2400
	Mark Boler	Corpus Christi TX	
	102 DataBank II	1-512-643-2251	1200
	Charles Murphy	PortLand TX	
	103 Data Log	1-512-853-5835	1200
	Phil Hawkins	Corpus Christi TX	
REGION	2 European Fnet Admin	31-8380-37156	2400
nearon	Henk Wevers	Ede Holland Europe	1*
		200 110.0.0 20.000	
REGION	20 Sweden	46-40-54-9189	300
	Mats Knuts	S	!CT1/2/3
		10 10 51 0100	000
HOST	501 Sweden	46-40-54-9189	300
	Mats Knuts	Maimoe Sweden 46-54-16-6988	ICT1/2/3 300
	4602 Sun City Fido Lennart Svensson	Karlstad Sweden	*CT1/2
	4603 ATL	46-510-2-0409	300
	Carl Nordin	Lidkoeping Sweden	ICT1/2
	4604 Yellow PC	46-8-760-3312	300
	Lennart Eliasson	Stockholm Sweden	CT1
	4606 PathFinder	46-36-13-0575	300
	Haakan Bohman	Huskvarna Sweden	*CT1
	4607 South Swedish Fido		300
	Mats Knuts	Malmoe Sweden	ICT1/2/3
	4608 Fido Candator	46-54-15-0529 Karlated Swedon	300
	Morgan Holt 4609 Future Hacker Centra	Karlstad Sweden	*CT1 300
	Joaquim Homrighausen Si		*CT1
	Joaquint normignausen of	COCKIDINI SWEDEN	011
REGION	21 Norway	47-7-520310	1200
	Arne Asplem	NO	1#CT1/2/3
HOST	502 Norway	47-7-515780	300
	Trond Solem	Trondheim Norway	*CT1/2
	11 Future Fido	47-7-515780	300
	Trond Solem	Trondheim Norway	*CT1/2
	12 Costa del vindenes	47-5-234129 Bassan Namuer	300 *CT1/2
	Helge Vindenes 13 C NET Fido	Bergen Norway 47-7-520310	1200
	Arne Asplem	Trondheim Norway	!#CT1/2/3
		I Chunchin Monway	
			300
	16 SOTRainbow	47-5-186806	300 *CT1
			*CT1 300
	16 SOTRainbow Gene Scharman	47-5-186806 Bergen Norway	*CT1 300 *CT1:WK:20:
	16 SOTRainbow Gene Scharman 18 Polar Fido	47-5-186806 Bergen Norway 47-83-81364	*CT1 300 *CT1:WK:20: 00-14:30:WE:
	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30
	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert 19 Flateby Dataklubb	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400
	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30
BEGION	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert 19 Flateby Dataklubb Michael Jezard	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 *CT1
REGION	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert 19 Flateby Dataklubb Michael Jezard 22 Finland	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400
REGION	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert 19 Flateby Dataklubb Michael Jezard	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223	*CT1 300 *CT1:WK:20: 00.14:30:WE: 20:00-10:30 2400 *CT1 1200
REGION	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert 19 Flateby Dataklubb Michael Jezard 22 Finland	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 *CT1 1200 ICT3 2400
	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert 19 Flateby Dataklubb Michael Jezard 22 Finland Heikki Suonsivu 504 FFUA Net Heikki Suonsivu	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223 Espoo Finland	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-16:30 2400 *CT1 1200 ICT3 2400 !#CT3/4
	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert 19 Flateby Dataklubb Michael Jezard 22 Finland Heikki Suonsivu 504 FFUA Net Heikki Suonsivu 1 DOSbox Fido	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223 Espoo Finland 358-0-4202223	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 24:00 *CT1 1200 ICT3 24:00 !#CT3/4 24:00
	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert 19 Flateby Dataklubb Michael Jezard 22 Finland Heikki Suonsivu 504 FFUA Net Heikki Suonsivu 1 DOSbox Fido H.Suonsivu/J.Blomqvi Esp	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223 Espoo Finland 358-0-4202223 oo Finland	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 24:00 *CT1 12:00 !CT3 24:00 !#CT3/4 24:00 !#CT3/4
	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert 19 Flateby Dataklubb Michael Jezard 22 Finland Heikki Suonsivu 504 FFUA Net Heikki Suonsivu 1 DOSbox Fido H.Suonsivu/J.Blomqvi Esp 2 Pub Fido	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223 Espoo Finland 358-0-4202223 oo Finland 358-0-4202385	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 *CT1 1200 ICT3 2400 I#CT3/4 2400 I#CT3/4 1200
	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert 19 Flateby Dataklubb Michael Jezard 22 Finland Heikki Suonsivu 504 FFUA Net Heikki Suonsivu 1 DOSbox Fido H.Suonsivu/J.Blomqvi Esp 2 Pub Fido J.Blomqvist/H.Suonsi Espo	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223 Espoo Finland 358-0-4202223 oo Finland 358-0-4202285 oo Finland	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 24:00 *CT1 1200 ICT3 2400 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 1200
	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert 19 Flateby Dataklubb Michael Jezard 22 Finland Heikki Suonsivu 504 FFUA Net Heikki Suonsivu 1 DOSbox Fido H.Suonsivu/J.Blomqvi Esp 2 Pub Fido J.Blomqvist/H.Suonsi Espo 3 ITT DATA Helsinki	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223 SF- 358-0-4202223 oo Finland 358-0-4202233 oo Finland 358-0-4202385 oo Finland 358-0-550970	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 24:00 *CT1 12:00 ICT3 24:00 I#CT3/4 24:00 I#CT3/4 12:00 I#CT3/4 12:00 I#CT3 24:00
	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert 19 Flateby Dataklubb Michael Jezard 22 Finland Heikki Suonsivu 504 FFUA Net Heikki Suonsivu 1 DOSbox Fido H.Suonsivu/J.Blomqvi Esp 2 Pub Fido J.Blomqvist/H.Suonsi Espo	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223 Espoo Finland 358-0-4202223 oo Finland 358-0-4202285 oo Finland	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 24:00 *CT1 1200 ICT3 2400 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 1200
	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert 19 Flateby Dataklubb Michael Jezard 22 Finland Heikki Suonsivu 504 FFUA Net Heikki Suonsivu 1 DOSbox Fido H.Suonsivu/J.Blomqvi Esp 2 Pub Fido J.Blomqvist/H.Suonsi Espo 3 ITT DATA Helsinki	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223 SF 358-0-4202223 300 Finland 358-0-4202233 000 Finland 358-0-4202385 000 Finland 358-0-4202385 000 Finland 358-0-550970 Helsinki Finland 358-0-7016596	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 24:00 *CT1 12:00 ICT3 24:00 I#CT3:/4 12:00 I#CT3:/4 12:00 I#CT3:/4: 17:00:07:00 I#B1:CT3:/4: 17:00:07:00 12:20
	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert 19 Flateby Dataklubb Michael Jezard 22 Finland Heikki Suonsivu 504 FFUA Net Heikki Suonsivu 1 DOSbox Fido H.Suonsivu/J.Blomqvi Esp 2 Pub Fido J.Blomqvist/H.Suonsi Espo 3 ITT DATA Helsinki Durk Ellison	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223 Espoo Finland 358-0-4202223 oo Finland 358-0-4202385 po Finland 358-0-550970 Helsinki Finland	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 *CT1 1200 ICT3 2400 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#B1:CT3/4: 1700-0700 1200 #B1:CT3:17
	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert 19 Flateby Dataklubb Michael Jezard 22 Finland Heikki Suonsivu 504 FFUA Net Heikki Suonsivu 1 DOSbox Fido H.Suonsivu/J.Blomqvi Esp 2 Pub Fido J.Blomqvist/H.Suonsi Espo 3 ITT DATA Helsinki Durk Ellison 5 The Strontium Dog Yka Rankka	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223 Espoo Finland 358-0-4202223 oo Finland 358-0-4202285 oo Finland 358-0-4202385 oo Finland 358-0-4202385 oo Finland 358-0-50970 Helsinki Finland	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 *CT1 1200 IICT3 2400 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1700-0700 1200 #B1:CT3:17 00-0700
	<ul> <li>16 SOTRainbow</li> <li>Gene Scharman</li> <li>18 Polar Fido</li> <li>Thorsten Lockert</li> <li>19 Flateby Dataklubb</li> <li>Michael Jezard</li> <li>22 Finland</li> <li>Heikki Suonsivu</li> <li>504 FFUA Net</li> <li>504 FFUA Net</li> <li>6 Midnight Express</li> </ul>	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223 SF 358-0-4202223 300 Finland 358-0-4202233 000 Finland 358-0-4202235 000 Finland 358-0-4202385 000 Finland 358-0-550970 Helsinki Finland 358-0-7016596 Helsinki Finland 358-0-314478	*CT1 300 00-14:30:WE: 20:00-10:30 24:00 1CT3 1200 ICT3 2400 I#CT3:/4 1200 I#CT3:/4 1200 I#CT3:/4 1200 I#CT3: 24:00 I#B1:CT3:/4: 17:00-07:00 12:00 #B1:CT3:17 00-07:00 24:00
	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert 19 Flateby Dataklubb Michael Jezard 22 Finland Heikki Suonsivu 504 FFUA Net Heikki Suonsivu 1 DOSbox Fido H.Suonsivu/J.Blomqvi Esp 2 Pub Fido J.Blomqvist/H.Suonsi Espo 3 ITT DATA Helsinki Durk Ellison 5 The Strontium Dog Yka Rankka	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223 Espoo Finland 358-0-4202223 oo Finland 358-0-4202285 oo Finland 358-0-4202385 oo Finland 358-0-4202385 oo Finland 358-0-50970 Helsinki Finland	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 *CT1 1200 ICT3 2400 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#B1:CT3/4: 1700-0700 1200 #B1:CT3:17 00-0700 2400 I#CT3/4:0200-
	<ul> <li>16 SOTRainbow Gene Scharman</li> <li>18 Polar Fido</li> <li>Thorsten Lockert</li> <li>19 Flateby Dataklubb Michael Jezard</li> <li>22 Finland</li> <li>Heikki Suonsivu</li> <li>504 FFUA Net</li> <li>Heikki Suonsivu</li> <li>504 FFUA Net</li> <li>Heikki Suonsivu/J.Blomqvi Esp</li> <li>2 Pub Fido</li> <li>J.Blomqvist/H.Suonsi Espo</li> <li>3 ITT DATA Helsinki</li> <li>Durk Ellison</li> <li>5 The Strontium Dog Yka Rankka</li> <li>6 Midnight Express Ilkka Hulkko</li> </ul>	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223 espoo Finland 358-0-4202223 oo Finland 358-0-4202285 oo Finland 358-0-4202385 oo Finland 358-0-4202385 oo Finland 358-0-4202385 oo Finland 358-0-4202385 oo Finland 358-0-4202385 oo Finland 358-0-4202385 oo Finland 358-0-1016596 Helsinki Finland 358-0-314478 Helsinki Finland	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 *CT1 1200 ICT3 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 200 I#CT3/4 200 I#CT3/4:0200- 1200(1600V21)
	<ul> <li>16 SOTRainbow</li> <li>Gene Scharman</li> <li>18 Polar Fido</li> <li>Thorsten Lockert</li> <li>19 Flateby Dataklubb</li> <li>Michael Jezard</li> <li>22 Finland</li> <li>Heikki Suonsivu</li> <li>504 FFUA Net</li> <li>Heikki Suonsi Espe</li> <li>504 FFUA Net</li> <li>Heikki Suonsi Espe</li> <li>504 FFUA Net</li> <li>Heikki Suonsi Espe</li> <li>504 FFUA Net</li> <li< td=""><td>47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223 S6-0-4202223 358-0-4202223 00 Finland 358-0-420223 00 Finland 358-0-4202385 00 Finland 358-0-550970 Helsinki Finland 358-0-7016596 Helsinki Finland 358-0-314478 Helsinki Finland 358-0-8031121</td><td>*CT1 300 00-14:30:WE: 20:00-10:30 24:00 *CT1 1200 ICT3 2400 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#B1:CT3/4: 1700-0700 1200 #B1:CT3/4: 1700-0700 1200 I#CT3/4:0200- 1200(1600V21) 2400</td></li<></ul>	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223 S6-0-4202223 358-0-4202223 00 Finland 358-0-420223 00 Finland 358-0-4202385 00 Finland 358-0-550970 Helsinki Finland 358-0-7016596 Helsinki Finland 358-0-314478 Helsinki Finland 358-0-8031121	*CT1 300 00-14:30:WE: 20:00-10:30 24:00 *CT1 1200 ICT3 2400 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#B1:CT3/4: 1700-0700 1200 #B1:CT3/4: 1700-0700 1200 I#CT3/4:0200- 1200(1600V21) 2400
	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert 19 Flateby Dataklubb Michael Jezard 22 Finland Heikki Suonsivu 504 FFUA Net Heikki Suonsivu 1 DOSbox Fido H.Suonsivu/J.Blomqvi Esp 2 Pub Fido J.Blomqvist/H.Suonsi Espo 3 ITT DATA Helsinki Durk Ellison 5 The Strontium Dog Yka Rankka 6 Midnight Express Ilkka Hulkko 7 Missing Link Heikki Suonsivu	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223 cop Finland 358-0-4202223 cop Finland 358-0-4202223 cop Finland 358-0-420223 cop Finland 358-0-50970 Helsinki Finland 358-0-7016596 Helsinki Finland 358-0-314478 Helsinki Finland	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 *CT1 1200 ICT3 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 200 I#CT3/4 200 I#CT3/4:0200- 1200(1600V21)
	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert 19 Flateby Dataklubb Michael Jezard 22 Finland Heikki Suonsivu 504 FFUA Net Heikki Suonsivu 1 DOSbox Fido 1 J.Blomqvist/H.Suonsi Espo 3 ITT DATA Helsinki Durk Ellison 5 The Strontium Dog Yka Rankka 6 Midnight Express Ilkka Hulkko 7 Missing Link Heikki Suonsivu 8 Radio City Fido	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223 S6-0-4202223 300 Finland 358-0-4202233 00 Finland 358-0-4202233 00 Finland 358-0-4202385 00 Finland 358-0-550970 Helsinki Finland 358-0-7016596 Helsinki Finland 358-0-314478 Helsinki Finland 358-0-8031121	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 *CT1 1200 ICT3 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#B1:CT3/4 1200 2400 I#CT3/4:0200- 1200(1600V21) 2400 I#CT3/4
	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert 19 Flateby Dataklubb Michael Jezard 22 Finland Heikki Suonsivu 504 FFUA Net Heikki Suonsivu 1 DOSbox Fido H.Suonsivu/J.Blomqvi Esp 2 Pub Fido J.Blomqvist/H.Suonsi Espo 3 ITT DATA Helsinki Durk Ellison 5 The Strontium Dog Yka Rankka 6 Midnight Express Ilkka Hulkko 7 Missing Link Heikki Suonsivu 8 Radio City Fido Teemu Torma 9 Compis Fido	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223 oo Finland 358-0-4202223 oo Finland 358-0-4202223 oo Finland 358-0-420223 59-0 59-0 Helsinki Finland 358-0-6941123 Helsinki Finland 358-0-570815	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 *CT1 1200 ICT3 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#B1:CT3/4 1200 I#B1:CT3/4: 1200 I#CT3/4:0200- 1200(1600V21) 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 1200
	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert 19 Flateby Dataklubb Michael Jezard 22 Finland Heikki Suonsivu 504 FFUA Net Heikki Suonsivu 1 DOSbox Fido H.Suonsivu/J.Blomqvi Esp 2 Pub Fido J.Blomqvist/H.Suonsi Espo 3 ITT DATA Helsinki Durk Ellison 5 The Strontium Dog Yka Rankka 6 Midnight Express Ilkka Hulkko 7 Missing Link Heikki Suonsivu 8 Radio City Fido Teemu Torma 9 Compis Fido Petri Ojala	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223 Espoo Finland 358-0-4202223 oo Finland 358-0-4202223 oo Finland 358-0-4202223 oo Finland 358-0-4202223 oo Finland 358-0-420223 SF 358-0-50970 Helsinki Finland 358-0-7016596 Helsinki Finland 358-0-314478 Helsinki Finland 358-0-6941123 Helsinki Finland 358-0-570815 Helsinki Finland	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 *CT1 1200 ICT3 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 1200 I#B1:CT3/4: 1700-0700 1200 I#CT3/4: 00-0700 2400 I#CT3/4: 2400 I#CT3/4 I I#CT3/4 I I#CT3/4 I I#CT3/4 I I#CT3/4 I I#CT3/4 I I#CT3/4 I I#CT3/4 I I#CT3/4 I I#CT3/4 I I I I I I I I I I I I I I I I I I I
	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert 19 Flateby Dataklubb Michael Jezard 22 Finland Heikki Suonsivu 504 FFUA Net Heikki Suonsivu 1 DOSbox Fido H.Suonsivu/J.Blomqvi Esp 2 Pub Fido J.Blomqvist/H.Suonsi Esp 3 ITT DATA Helsinki Durk Ellison 5 The Strontium Dog Yka Rankka 6 Midnight Express Ilkka Hulkko 7 Missing Link Heikki Suonsivu 8 Radio City Fido Teemu Torma 9 Compis Fido Petri Ojala 12 Vuobox	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223 SF 358-0-4202223 oo Finland 358-0-4202385 oo Finland 358-0-4202385 oo Finland 358-0-50970 Helsinki Finland 358-0-7016596 Helsinki Finland 358-0-314478 Helsinki Finland 358-0-6941123 Helsinki Finland 358-0-570815 Helsinki Finland 358-0-318716	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 *CT1 1200 ICT3 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 1700-0700 1200 I#B1:CT3/4: 1200 I#B1:CT3/4:0200- 1200(1600V21) 2400 I#CT3/4:0200- I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 2400
	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert 19 Flateby Dataklubb Michael Jezard 22 Finland Heikki Suonsivu 504 FFUA Net Heikki Suonsivu 1 DOSbox Fido H.Suonsivu/J.Blomqvi Esp 2 Pub Fido J.Blomqvist/H.Suonsi Espo 3 ITT DATA Helsinki Durk Ellison 5 The Strontium Dog Yka Rankka 6 Midnight Express Ilkka Hulkko 7 Missing Link Heikki Suonsivu 8 Radio City Fido Teemu Torma 9 Compis Fido Petri Ojala 12 Vuobox Mikko Masalin	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223 oo Finland 358-0-4202223 oo Finland 358-0-420223 oo Finland 358-0-420223 oo Finland 358-0-50970 Helsinki Finland 358-0-7016596 Helsinki Finland 358-0-6941123 Helsinki Finland 358-0-6941123 Helsinki Finland 358-0-318716 Helsinki Finland	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 *CT1 1200 ICT3 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#B1:CT3/4 1200 I#B1:CT3/4 1200 I#CT3/4 2400 I#CT3/4 I 2400 I#CT3/4 I 2400 I#CT3/4 I 2400 I#CT3/4 I 2400 I#CT3/4 I 2400 I#CT3/4 I 2400 I#CT3/4 I 2400 I 240 I 240 I 240 I 240 I 240 I 240 I 240 I 240 I 240 I 240 I 240 I 240 240 I 240 I 240 I 240 I 240 I 240 I 240 I 240 I 240 I 240 2
	<ul> <li>16 SOTRainbow</li> <li>Gene Scharman</li> <li>18 Polar Fido</li> <li>Thorsten Lockert</li> <li>19 Flateby Dataklubb</li> <li>Michael Jezard</li> <li>22 Finland</li> <li>Heikki Suonsivu</li> <li>504 FFUA Net</li> <li>Heikki Suonsivu</li> <li>1 DOSbox Fido</li> <li>H.Suonsivu/J.Blomqvi Esp</li> <li>2 Pub Fido</li> <li>J.Blomqvist/H.Suonsi Espot</li> <li>3 ITT DATA Helsinki</li> <li>Durk Ellison</li> <li>5 The Strontium Dog</li> <li>Yka Rankka</li> <li>6 Midnight Express</li> <li>Ilkka Hulkko</li> <li>7 Missing Link</li> <li>Heikki Suonsivu</li> <li>8 Radio City Fido</li> <li>Teemu Torma</li> <li>9 Compis Fido</li> <li>Petri Ojala</li> <li>12 Vuobox</li> <li>Mikko Masalin</li> <li>14 DataBox Fido</li> </ul>	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223 Espoo Finland 358-0-4202223 oo Finland 358-0-4202223 oo Finland 358-0-4202285 oo Finland 358-0-4202385 oo Finland 358-0-4202385 oo Finland 358-0-4202385 oo Finland 358-0-6201121 Espoo Finland 358-0-031121 Espoo Finland 358-0-6941123 Helsinki Finland 358-0-6941123 Helsinki Finland 358-0-6941123 Helsinki Finland 358-0-318716 Helsinki Finland 358-0-318716 Helsinki Finland 358-0-318716 Helsinki Finland	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 *CT1 1200 ICT3 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 1200(1600V21) 2400 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400
	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert 19 Flateby Dataklubb Michael Jezard 22 Finland Heikki Suonsivu 504 FFUA Net Heikki Suonsivu 1 DOSbox Fido H.Suonsivu/J.Blomqvi Esp 2 Pub Fido J.Blomqvist/H.Suonsi Espo 3 ITT DATA Helsinki Durk Ellison 5 The Strontium Dog Yka Rankka 6 Midnight Express Ilkka Hulkko 7 Missing Link Heikki Suonsivu 8 Radio City Fido Teemu Torma 9 Compis Fido Petri Ojala 12 Vuobox Mikko Masalin	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223 oo Finland 358-0-4202223 oo Finland 358-0-420223 oo Finland 358-0-420223 oo Finland 358-0-50970 Helsinki Finland 358-0-7016596 Helsinki Finland 358-0-6941123 Helsinki Finland 358-0-6941123 Helsinki Finland 358-0-318716 Helsinki Finland	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 *CT1 1200 ICT3 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 1700-0700 1200 I#B1:CT3/4:0200- 1200(1600V21) 2400 I#CT3/4:0200- I200(1600V21) 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT1/3 2400 I#CT1/3 2400
	<ul> <li>16 SOTRainbow</li> <li>Gene Scharman</li> <li>18 Polar Fido</li> <li>Thorsten Lockert</li> <li>19 Flateby Dataklubb</li> <li>Michael Jezard</li> <li>22 Finland</li> <li>Heikki Suonsivu</li> <li>504 FFUA Net</li> <li>Heikki Suonsivu</li> <li>504 FFUA Net</li> <li>Heikki Suonsivu/J.Blomqvi Esp</li> <li>2 Pub Fido</li> <li>J.Blomqvist/H.Suonsi Espo</li> <li>3 ITT DATA Helsinki</li> <li>Durk Ellison</li> <li>5 The Strontium Dog</li> <li>Yka Rankka</li> <li>6 Midnight Express</li> <li>Ilkka Hulkko</li> <li>7 Missing Link</li> <li>Heikki Suonsivu</li> <li>8 Radio City Fido</li> <li>Teemu Torma</li> <li>9 Compis Fido</li> <li>Petri Ojala</li> <li>12 Vuobox</li> <li>Mikko Masalin</li> <li>14 DataBox Fido</li> </ul>	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223 58-0-4202223 oo Finland 358-0-4202230 oo Finland 358-0-4202230 oo Finland 358-0-4202230 oo Finland 358-0-50970 Helsinki Finland 358-0-7016596 Helsinki Finland 358-0-314478 Helsinki Finland 358-0-6941123 Helsinki Finland 358-0-315 Helsinki Finland 358-0-315 Helsinki Finland 358-0-318716 Helsinki Finland 358-0-497900 Helsinki Finland	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 *CT1 1200 ICT3 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 1200 I#B1:CT3/4 1200 I#B1:CT3/4 1200 I#B1:CT3/4 1200 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT1/34 2400 I#CT1/3/4 1200 I#CT1/3/4 2400 I#CT3/4 2400 I#CT1/3 2400 I#CT1/3 I#CT1
	16 SOTRainbow Gene Scharman 18 Polar Fido Thorsten Lockert 19 Flateby Dataklubb Michael Jezard 22 Finland Heikki Suonsivu 504 FFUA Net Heikki Suonsivu 1 DOSbox Fido H.Suonsivu/J.Blomqvi Esp 2 Pub Fido J.Blomqvist/H.Suonsi Espo 3 ITT DATA Helsinki Durk Ellison 5 The Strontium Dog Yka Rankka 6 Midnight Express Ilkka Hulkko 7 Missing Link Heikki Suonsivu 8 Radio City Fido Teemu Torma 9 Compis Fido Petri Ojala 12 Vuobox Mikko Masalin 14 DataBox Fido Heikki Hanhimaki	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-2-928952 Oslo Norway 358-0-4202223 SF 358-0-4202223 cop Finland 358-0-4202223 cop Finland 358-0-4202223 cop Finland 358-0-420223 cop Finland 358-0-7016596 Helsinki Finland 358-0-318716 Helsinki Finland 358-0-497900 Helsinki Finland 358-0-467673	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 *CT1 1200 ICT3 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 1700-0700 1200 I#B1:CT3/4:0200- 1200(1600V21) 2400 I#CT3/4:0200- I200(1600V21) 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT1/3 2400 I#CT1/3 2400
	<ul> <li>16 SOTRainbow</li> <li>Gene Scharman</li> <li>18 Polar Fido</li> <li>Thorsten Lockert</li> <li>19 Flateby Dataklubb</li> <li>Michael Jezard</li> <li>22 Finland</li> <li>Heikki Suonsivu</li> <li>504 FFUA Net</li> <li>Heikki Suonsivu</li> <li>3 ITT DATA Helsinki</li> <li>Durk Ellison</li> <li>5 The Strontium Dog</li> <li>Yka Rankka</li> <li>6 Midnight Express</li> <li>Ilkka Hulkko</li> <li>7 Missing Link</li> <li>Heikki Suonsivu</li> <li>8 Radio City Fido</li> <li>Teemu Torma</li> <li>9 Compis Fido</li> <li>Petri Ojala</li> <li>12 Vuobox</li> <li>Mikko Masalin</li> <li>14 DataBox Fido</li> <li>Heikki Hanhimaki</li> <li>17 Micro Maniacs III</li> <li>Ron Dwight</li> <li>31 ITT DATA Helsinki</li> </ul>	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-83-81364 Tromsoe Norway 358-0-4202223 SF 358-0-4202223 SF 358-0-4202223 oo Finland 358-0-4202230 oo Finland 358-0-4202230 oo Finland 358-0-4202230 oo Finland 358-0-4202385 oo Finland 358-0-4202385 oo Finland 358-0-4202385 oo Finland 358-0-7016596 Helsinki Finland 358-0-314478 Helsinki Finland 358-0-6941123 Helsinki Finland 358-0-318716 Helsinki Finland 358-0-318716 Helsinki Finland 358-0-318716 Helsinki Finland 358-0-497900 Helsinki Finland 358-0-467673 Espoo Finland 358-0-6553168	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 *CT1 1200 ICT3 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT1/34 2400 I#CT1/34 2400 I#CT1/34 2400 I#CT1/34 2400 I#CT3/4 300
	<ul> <li>16 SOTRainbow</li> <li>Gene Scharman</li> <li>18 Polar Fido</li> <li>Thorsten Lockert</li> <li>19 Flateby Dataklubb</li> <li>Michael Jezard</li> <li>22 Finland</li> <li>Heikki Suonsivu</li> <li>504 FFUA Net</li> <li>Heikki Suonsivu</li> <li>51 The Strontium Dog</li> <li>Yka Rankka</li> <li>6 Midnight Express</li> <li>Ilkka Hulkko</li> <li>7 Missing Link</li> <li>Heikki Suonsivu</li> <li>8 Radio City Fido</li> <li>Teemu Torma</li> <li>9 Compis Fido</li> <li>Petri Ojala</li> <li>12 Vuobox</li> <li>Mikko Masalin</li> <li>14 DataBox Fido</li> <li>Heikki Hanhimaki</li> <li>17 Micro Maniacs III</li> <li>Ron Dwight</li> </ul>	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-83-81364 Tromsoe Norway 358-0-4202223 SF 358-0-4202223 SF 358-0-4202223 300 Finland 358-0-4202385 300 Finland 358-0-4202385 300 Finland 358-0-4202385 300 Finland 358-0-4202385 300 Finland 358-0-7016596 Helsinki Finland 358-0-7016596 Helsinki Finland 358-0-314478 Helsinki Finland 358-0-50815 Helsinki Finland 358-0-570815 Helsinki Finland 358-0-318716 Helsinki Finland 358-0-497900 Helsinki Finland 358-0-467673 Espoo Finland	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 !CT3 2400 !CT3 2400 !#CT3/4 2400 !#CT3/4 2400 !#CT3/4 1200 !#CT3/4 1200 !#CT3/4 1200 !#B1:CT3/4 1200 !#B1:CT3/4 1200 !#CT3/4 2400 !#CT3/4 !#CT3/4 ! 2400 !#CT3/4 ! 2400 !#CT3/4 !#CT3/4 ! 2400 !#CT1/3 ! 2400 !#CT1/3 ! 2400 !#CT1/3 ! 2400 !#CT1/3 ! 2400 !#CT1/3 ! 2400 !#CT1/3 ! 2400 !#CT1/3 ! 2400 !#CT1/3 ! 2400 !#CT1/3 ! 2400 !#CT1/3 ! 2400 !#CT1/3 ! 2400 !#CT1/3 ! 2400 !#CT1/3 ! 2400 ! !*CT1/3 ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !
	<ul> <li>16 SOTRainbow</li> <li>Gene Scharman</li> <li>18 Polar Fido</li> <li>Thorsten Lockert</li> <li>19 Flateby Dataklubb</li> <li>Michael Jezard</li> <li>22 Finland</li> <li>Heikki Suonsivu</li> <li>504 FFUA Net</li> <li>Heikki Suonsivu</li> <li>6 Midnight Express</li> <li>Ilkka Hulkko</li> <li>7 Missing Link</li> <li>Heikki Suonsivu</li> <li>8 Radio City Fido</li> <li>Teemu Torma</li> <li>9 Compis Fido</li> <li>Petri Ojala</li> <li>12 Vuobox</li> <li>Mikko Masalin</li> <li>14 DataBox Fido</li> <li>Heikki Hanhimaki</li> <li>17 Micro Maniacs III</li> <li>Ron Dwight</li> <li>31 ITT DATA Helsinki</li> <li>Durk Ellison</li> </ul>	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-83-81364 Tromsoe Norway 358-0-4202223 SF 358-0-4202223 Soo Finland 358-0-4202223 oo Finland 358-0-4202223 oo Finland 358-0-4202223 oo Finland 358-0-42022385 oo Finland 358-0-4202385 oo Finland 358-0-7016596 Helsinki Finland 358-0-7016596 Helsinki Finland 358-0-314478 Helsinki Finland 358-0-6941123 Helsinki Finland 358-0-570815 Helsinki Finland 358-0-318716 Helsinki Finland 358-0-497900 Helsinki Finland 358-0-467673 Espoo Finland 358-0-5653168 Helsinki Finland	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 *CT1 1200 ICT3 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 2400 I#CT3/4 2400 2400 I#CT3/4:0200- 1200(f600V21) 2400 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 2400 I#CT1/3 2400 I#CT1/3 2400 I#CT1/3 2400 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 2400 I#CT1/3 2400 I#CT1/3 2400 I#CT1/3 2400 I#CT1/3 2400 I#CT1/3 2400 I#CT1/3 2400 I#CT1/3 2400 I#CT1/3 2400 I#CT1/3 2400 I#CT1/3 2400 I#CT1/3 2400 I#CT1/3 2400 I#CT1/3 2400 I#CT1/3 2400 I#CT3/4 2400
	<ul> <li>16 SOTRainbow</li> <li>Gene Scharman</li> <li>18 Polar Fido</li> <li>Thorsten Lockert</li> <li>19 Flateby Dataklubb</li> <li>Michael Jezard</li> <li>22 Finland</li> <li>Heikki Suonsivu</li> <li>504 FFUA Net</li> <li>Heikki Suonsivu</li> <li>3 ITT DATA Helsinki</li> <li>Durk Ellison</li> <li>5 The Strontium Dog</li> <li>Yka Rankka</li> <li>6 Midnight Express</li> <li>Ilkka Hulkko</li> <li>7 Missing Link</li> <li>Heikki Suonsivu</li> <li>8 Radio City Fido</li> <li>Teemu Torma</li> <li>9 Compis Fido</li> <li>Petri Ojala</li> <li>12 Vuobox</li> <li>Mikko Masalin</li> <li>14 DataBox Fido</li> <li>Heikki Hanhimaki</li> <li>17 Micro Maniacs III</li> <li>Ron Dwight</li> <li>31 ITT DATA Helsinki</li> <li>Durk Ellison</li> <li>32 ITT DATA Tampere</li> </ul>	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-83-81364 Tromsoe Norway 358-0-4202223 SF 358-0-4202223 SF 358-0-4202223 oo Finland 358-0-420223 oo Finland 358-0-4202230 oo Finland 358-0-4202230 oo Finland 358-0-4202230 oo Finland 358-0-4202385 oo Finland 358-0-47016596 Helsinki Finland 358-0-314478 Helsinki Finland 358-0-6941123 Helsinki Finland 358-0-570815 Helsinki Finland 358-0-497900 Helsinki Finland 358-0-497900 Helsinki Finland 358-0-467673 Espoo Finland 358-0-5653168 Helsinki Finland 358-0-467673 Espoo Finland 358-0-35168 Helsinki Finland	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 *CT1 1200 ICT3 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT1/34 1200 I#CT1/34 2400 I#CT3/4 2400 I#CT1/34 2400 I#CT3/4 2400 I#CT1/34 300 I#CT1/34 2400 I#CT1/34 2400 I#CT1/34 2400 I#CT1/34 2400 I#CT1
	<ul> <li>16 SOTRainbow Gene Scharman</li> <li>18 Polar Fido Thorsten Lockert</li> <li>19 Flateby Dataklubb Michael Jezard</li> <li>22 Finland Heikki Suonsivu</li> <li>504 FFUA Net Heikki Suonsivu</li> <li>504 FFUA Net Heikki Suonsivu</li> <li>10 OSbox Fido H.Suonsivu/J.Blomqvi Esp 2 Pub Fido</li> <li>21 Pub Fido J.Blomqvist/H.Suonsi Espot 3 ITT DATA Helsinki</li> <li>Durk Ellison</li> <li>5 The Strontium Dog Yka Rankka</li> <li>6 Midnight Express Ilkka Hulkko</li> <li>7 Missing Link Heikki Suonsivu</li> <li>8 Radio City Fido Teemu Torma</li> <li>9 Compis Fido Petri Ojala</li> <li>12 Vuobox Mikko Masalin</li> <li>14 DataBox Fido Heikki Hanhimaki</li> <li>17 Micro Maniacs III Ron Dwight 31 ITT DATA Helsinki Durk Ellison</li> <li>32 ITT DATA Tampere Durk Ellison</li> </ul>	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-83-81364 Tromsoe Norway 358-0-4202223 SF 358-0-4202223 SF 358-0-4202223 soo Finland 358-0-4202223 soo Finland 358-0-4202285 soo Finland 358-0-4202385 soo Finland 358-0-4202385 soo Finland 358-0-4202385 soo Finland 358-0-4202385 soo Finland 358-0-31478 Helsinki Finland 358-0-314478 Helsinki Finland 358-0-314716 Helsinki Finland 358-0-318716 Helsinki Finland 358-0-318716 Helsinki Finland 358-0-397900 Helsinki Finland 358-0-467673 Espoo Finland 358-0-5653168 Helsinki Finland 358-0-5653168 Helsinki Finland	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 ICT3 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 2400 240
	<ul> <li>16 SOTRainbow</li> <li>Gene Scharman</li> <li>18 Polar Fido</li> <li>Thorsten Lockert</li> <li>19 Flateby Dataklubb</li> <li>Michael Jezard</li> <li>22 Finland</li> <li>Heikki Suonsivu</li> <li>504 FFUA Net</li> <li>Heikki Suonsivu</li> <li>60 Midnight Express</li> <li>Ilikka Hulkko</li> <li>7 Missing Link</li> <li>Heikki Suonsivu</li> <li>8 Radio City Fido</li> <li>Teemu Torma</li> <li>9 Compis Fido</li> <li>Petri Ojala</li> <li>12 Vuobox</li> <li>Mikko Masalin</li> <li>14 DataBox Fido</li> <li>Heikki Hanhimaki</li> <li>17 Micro Maniacs III</li> <li>Ron Dwight</li> <li>31 ITT DATA Helsinki</li> <li>Durk Ellison</li> <li>32 ITT DATA Tampere</li> <li>Durk Ellison</li> <li>69 Action Track</li> </ul>	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-83-81364 Tromsoe Norway 358-0-4202223 SF 358-0-4202223 SF 358-0-4202223 300 Finland 358-0-420223 300 Finland 358-0-4202385 300 Finland 358-0-550970 Helsinki Finland 358-0-550970 Helsinki Finland 358-0-7016596 Helsinki Finland 358-0-314478 Helsinki Finland 358-0-8031121 Espoo Finland 358-0-6941123 Helsinki Finland 358-0-570815 Helsinki Finland 358-0-497900 Helsinki Finland 358-0-467673 Espoo Finland	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 *CT1 1200 ICT3 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#B1:CT3:17 00-0700 2400 I#CT3/4 00 1200(1600V21) 2400 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 2400 I#CT1/3 2400 I#CT3/4 2400 I#CT1/3 2400 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 2400 I#CT1/3 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT1/3 2400 I#CT3/4 I
	<ul> <li>16 SOTRainbow Gene Scharman</li> <li>18 Polar Fido Thorsten Lockert</li> <li>19 Flateby Dataklubb Michael Jezard</li> <li>22 Finland Heikki Suonsivu</li> <li>504 FFUA Net Heikki Suonsivu</li> <li>504 FFUA Net Heikki Suonsivu</li> <li>10 OSbox Fido H.Suonsivu/J.Blomqvi Esp 2 Pub Fido</li> <li>21 Pub Fido J.Blomqvist/H.Suonsi Espot 3 ITT DATA Helsinki</li> <li>Durk Ellison</li> <li>5 The Strontium Dog Yka Rankka</li> <li>6 Midnight Express Ilkka Hulkko</li> <li>7 Missing Link Heikki Suonsivu</li> <li>8 Radio City Fido Teemu Torma</li> <li>9 Compis Fido Petri Ojala</li> <li>12 Vuobox Mikko Masalin</li> <li>14 DataBox Fido Heikki Hanhimaki</li> <li>17 Micro Maniacs III Ron Dwight 31 ITT DATA Helsinki Durk Ellison</li> <li>32 ITT DATA Tampere Durk Ellison</li> </ul>	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-83-81364 Tromsoe Norway 358-0-4202223 SF 358-0-4202223 SF 358-0-4202223 soo Finland 358-0-4202223 soo Finland 358-0-4202285 soo Finland 358-0-4202385 soo Finland 358-0-4202385 soo Finland 358-0-4202385 soo Finland 358-0-4202385 soo Finland 358-0-31478 Helsinki Finland 358-0-314478 Helsinki Finland 358-0-314716 Helsinki Finland 358-0-318716 Helsinki Finland 358-0-318716 Helsinki Finland 358-0-397900 Helsinki Finland 358-0-467673 Espoo Finland 358-0-5653168 Helsinki Finland 358-0-5653168 Helsinki Finland	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 ICT3 2400 I#CT3/4 2400 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 1200 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 2400 I#CT3/4 1200 I#CT3/4 2400 240
HOST	<ul> <li>16 SOTRainbow Gene Scharman</li> <li>18 Polar Fido</li> <li>Thorsten Lockert</li> <li>19 Flateby Dataklubb Michael Jezard</li> <li>22 Finland Heikki Suonsivu</li> <li>504 FFUA Net Heikki Suonsivu</li> <li>504 FFUA Net Heikki Suonsivu/J. Blomqvi Esp 2 Pub Fido</li> <li>J.Blomqvist/H.Suonsi Espo 3 ITT DATA Helsinki Durk Ellison</li> <li>5 The Strontium Dog Yka Rankka</li> <li>6 Midnight Express Ilkka Hulkko</li> <li>7 Missing Link Heikki Suonsivu</li> <li>8 Radio City Fido Teemu Torma</li> <li>9 Compis Fido Petri Ojala</li> <li>12 Vuobox Mikko Masalin</li> <li>14 DataBox Fido Heikki Hanhimaki</li> <li>17 Micro Maniacs III Ron Dwight 31 ITT DATA Helsinki</li> <li>17 Micro Maniacs III Ron Dwight 31 ITT DATA Helsinki</li> <li>32 ITT DATA Tampere Durk Ellison</li> <li>69 Action Track Raimo Tulonen</li> </ul>	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-83-81364 Tromsoe Norway 358-0-4202223 SF 358-0-4202223 SF 358-0-4202223 300 Finland 358-0-420223 300 Finland 358-0-4202385 300 Finland 358-0-550970 Helsinki Finland 358-0-550970 Helsinki Finland 358-0-7016596 Helsinki Finland 358-0-314478 Helsinki Finland 358-0-8031121 Espoo Finland 358-0-6941123 Helsinki Finland 358-0-570815 Helsinki Finland 358-0-497900 Helsinki Finland 358-0-467673 Espoo Finland	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 !CT3 2400 !#CT3/4 2400 !#CT3/4 2400 !#CT3/4 2400 !#CT3/4 2400 !#CT3/4 1200 !#CT3/4 2400
HOST	<ul> <li>16 SOTRainbow</li> <li>Gene Scharman</li> <li>18 Polar Fido</li> <li>Thorsten Lockert</li> <li>19 Flateby Dataklubb</li> <li>Michael Jezard</li> <li>22 Finland</li> <li>Heikki Suonsivu</li> <li>504 FFUA Net</li> <li>Heikki Suonsivu</li> <li>60 Midnight Express</li> <li>Ilikka Hulkko</li> <li>7 Missing Link</li> <li>Heikki Suonsivu</li> <li>8 Radio City Fido</li> <li>Teemu Torma</li> <li>9 Compis Fido</li> <li>Petri Ojala</li> <li>12 Vuobox</li> <li>Mikko Masalin</li> <li>14 DataBox Fido</li> <li>Heikki Hanhimaki</li> <li>17 Micro Maniacs III</li> <li>Ron Dwight</li> <li>31 ITT DATA Helsinki</li> <li>Durk Ellison</li> <li>32 ITT DATA Tampere</li> <li>Durk Ellison</li> <li>69 Action Track</li> </ul>	47-5-186806 Bergen Norway 47-83-81364 Tromsoe Norway 47-83-81364 Tromsoe Norway 358-0-4202223 SF 358-0-4202223 coo Finland 358-0-4202223 coo Finland 358-0-420223 coo Finland 358-0-407123 Tampere Finland 358-0-141569 Helsinki Finland	*CT1 300 *CT1:WK:20: 00-14:30:WE: 20:00-10:30 2400 !CT3 2400 !CT3 2400 !#CT3/4 2400 !#CT3/4 1200 !#CT3/4 1200 !#CT3/4 1200 !#CT3/4 1200 !#CT3/4 1200 !#CT3/4 1200 !#B1:CT3/4 1200 2400 !#B1:CT3/4 1200 1200 2400 !#CT3/4 2400 !#CT3/4 2400 !#CT3/4 2400 !#CT3/4 2400 !#CT3/4 2400 !#CT3/4 2400 !#CT3/4 2400 !#CT1/3 2400 !#CT1/3 2400 !#CT1/3 2400 !#CT1/3 2400 !#CT1/3 2400 !#CT1/3 2400 !#CT1/3 2400 !#CT1/3 2400 !#CT1/3 2400 !#CT1/3 2400 !#CT1/3 2400 !#CT1/3 2400 !#CT1/3 2400 !#CT1/3 2400 !#CT1/3 2400 !#CT1/3 2400 !#CT3/4 1200 !#CT1/3 2400 !#CT1/3 2400 !#CT3/4 1200 !#CT3/4 2400 !#CT3/4 2400 !#CT3/4 2400 !#CT3/4 2400 !#CT3/4 2400 !#CT3/4 2400 !#CT3/4 2400 !#CT3/4 2400 !#CT3/4 2400 !#CT3/4 2400 !#CT3/4 2400 !#CT3/4 2400 !#CT3/4 2400 !#CT3/4 !#CT3/4 !#CT3/4 !#CT3/4 !#CT3/4 ! 2400 !#CT3/4 !#CT3/4 ! 2400 !#CT3/4 !#CT3/4 ! 2400 !#CT3/4 !#CT3/4 !#CT3/4 ! 2400 !#CT3/4 ! 2400 !#CT3/4 ! 2400 !#CT3/4 ! 2400 !#CT3/4 ! 2400 !#CT3/4 ! 2400 !#CT3/4 ! 2400 !#CT3/4 ! 2400 !#CT3/4 ! 2400 !#CT3/4 ! 2400 !#CT3/4 ! 2400 !#CT1/3 ! 2400 !#CT1/3 ! 2400 !#CT1/3 ! 2400 !#CT1/3 ! 2400 !#CT1/3 ! 2400 !#CT1/3 ! 2400 !#CT1/3 ! 2400 !#CT1/3 ! 2400 !#CT1/3 ! 2400 !#CT1/3 ! 2400 !#CT1/3 ! 2400 !#CT1/3 ! 2400 !#CT3/4 ! 2400 !#CT3/4 ! 2400 !#CT3/4 ! 2400 ! !/ CT3/4 ! 2400 ! !/ CT3/4 ! 2400 ! !/ CT3/4 ! 2400 ! !/ CT3/4 ! ! 2400 ! !/ CT3/4 ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !

!CT1/2/3/4

CUSS Network Newsletter, Summer 86

28

HOST	503 Britnet	44-483-573-338	2400		20 HCC Hoorn 1	31-2290-34046	300
	Frank Thornley	Guildford GB	!CT1/2/3/4		Frank Bieri	Hoorn Holland	*CT1/2
	1 Compulink-1	44-483-573-337	2400		21 HCC Almelo 1	31-5490-62542	300
	Frank Thornley	Guildford GB	ICT1/2/3/4		Jan Verscharen	Almelo Holland	*CT1/2
	2 Compulink-2	44-483-573-338	1200		22 HCC Middelburg 1		
	Frank Thornley	Guildford GB	*CT1/2	-		31-1180-34336	300
	3 Jersey Fido				Jaap Delvoye	Middelburg Holland	*CT1/2
		44-534-39389	1200	-	23 HCC Venio 1	31-77-822522	300
	Hugh Ashborne	St Helier GB	*CT1/2	-	Norbert Teeuwen	Venio Holland	*CT1
	5 TeePee Link	44-61-494-6938	1200		100 HCC CP/Mgg	31-74-423860	300
	Terry Thmpson	Manchester GB	*CT1/2		Bert Koopman	Hengelo Holland	*CT1/2
	6 Colchester Fido	44-206-865737	300		101 HCC IBM-PCgg	31-2286-1421	300
	Phil Willis	Colchester GB		-	Han Halewiin	Hoogkarspel Holland	*CT1/2
	7 Dragon Fido	44-766-4154	1200		Han Halewijn 102 HCC MSXgg	31-20-982502	300
	Faris Raouf	Gwynedd GB	*CT1/2		Maciek Kollo	Diemen Holland	*CT1
	8 Advance Fido	44-482-28367	1200		200 Fido Ben		
	Eric Sparrow	Hull GB				31-3480-21407	300
			*CT1/2		Ben Eliazer	Woerden Holland	*CT1/2
	9 Dataflex	44-1-543-7020	1200		201 Fido Peter	31-72-126783	300
	Bob Manekshaw	London GB	*CT1/2		Peter van Diepen	Alkmaar Holland	*CT1
	11 Poly Fido	44-1-580-1690	1200		202 NOS Hobbyscoop	31-35-45395	300
	Graham Hobson	London GB	*CT1/2/3		Luc Bijleveld	Hilversum Holland	*CT1/2
	12 PD LIbrary	44-342-315636	300	101	203 Fido Gerard	31-4784-2301	300
	Rod Smith	East Grinstead GB	*CT1		Gerard Snoek	Wanssum Holland	*CT1/2
	13 Diggertel	44-204-43082	300		Gorard Briden	•• anosani nonana	0.1172
	John Balshaw	Bolton GB	*CT1	REGION	22 Itolu	39-971-35447	200
	14 Mektronic	44-61-773-7739	1200	REGION	Olarada Dutializza	39-9/1-3044/	300
	Brian Benster		1200 *OT1/0		Giorgio Rutigliano		
		Manchester GB	*CT1/2	-	1 FIDO PZ	39-971-35447	300
	15 London Underground		1200		Giorgio Rutigliano 3 FIDO AL	Potenza Italy	CT1
	Brian Robinson	London GB	!B1,*CT1/2		3 FIDO AL	39-131-355506	300
	17 Log On The Tyne	44-91-477-3339	300		Flavio Bernardotti	Alessandria Italy	CT1
	John Bone	Newcastle GB	*CT1		4 FIDO PN	39-434-32020	300
					Adolfo Melilli	Pordenone Italy	CT1
REGION	28 Holland	31-8380-37156	2400		5 SOFT SERVICE	2-228467	300
in control i	Henk Wevers	NL	1*		Franco Vandelli		
	3 ACS Zoelen	31-3448-1234	2400		Franco vandelli	Milano Italy	CT1
				DEOLON			
	Hans Kuyt	Zoelen Holland	!CT3/4:22:00-	REGION	900 IBM-PCJR-NET	1-615-226-6628	2400
	1 51 51100		09-00		Bruce Fuqua	Nashville TN	
	4 Fido PHCC	31-55-421284	300		1 Bits-&-Bytes	1-615-226-6628	2400
	Ignaat Simons	Apeldoorn Holland	*CT1		Bruce Fuqua	Nashville TN	
	5 MAC GG	31-2159-31261	300		4 PCir-NET	1-303-789-4610	2400
	Bob Vetter	Bussum Holland	*CT1:22:00-		Phil Kaiser	Englewood CO	2.00
			10:00		6 Traveler's	1-203-277-6938	1200
			10.00		Tom Lake	Hartford CT	WK:6p-7a,WE:
HOST	500 HCC net	31-8380-37156	2400		10 Little Blue	1-616-243-2645	
11001	Henk Wevers	Ede Holland	2400				1200
	1 Fido NI1		2400		Dave McIntyre	Grand Rapids MI	1000
		31-8380-37156	2400		11 BattleShip PA	1-301-428-3145	1200
	Henk Wevers	Ede Holland	000		Clifford Kendall	Germantown MD	
	10 HCC DB	31-30-935137	300		12 JR-HIGHTECH	1-201-233-0010	1200
	Jan.A. van Garderen	Utrecht Holland	*CT1/2:RE		Ken Voorhees	Westfield NJ	
	11 HCC Amsterdam 1	31-20-154154	300		14 K-9 & Company	1-302-475-2201	1200
	Olf van Reijen	Amsterdam Holland	*CT1/2		Mike Jacobs	Newark DE	
	12 HCC Rozenburg 1	31-1819-18168	300		15 PCirUserGroup	1-918-496-2055	2400
	Loek Janssen	Rozenburg Holland	*CT1/2		15 PCjrUserGroup David Wollmann	Tulsa OK	2100
	13 HCC Amersfoort 1	31-33-755444	300		21 Raiders BBS	1-702-641-6649	2400
	John Glazer	Amersfoort Holland	*CT1/2		Bob Kleins		2400
	14 HCC Eindhoven 1			-		Las Vegas NV	1000
		31-40-481792	300		23 NoVaSys	1-212-304-8553	1200
	Hans van Melis	Eindhoven Holland	*CT1/2		John Cottrell	New York NY	
	15 HCC Leiden 1	31-71-125125	300		24 WestPenn	1-412-367-2505	2400
	Gerard Versteeg	Leiden Holland	*CT1/2		Steve Mills	Pittsburgh PA	
	16 HCC Sittard 1	31-4755-2041	300		25 BLASE	1-616-784-4179	2400
	Leo Reijnen	Sittard Holland	*CT1/2		Bill DeBlase	Grand Rapids MI	
	17 HCC Arnhem 1	31-85-512492	300		33 Micro Age	1-615-360-2190	2400
	Jeanette Kooij	Arnhem Holland	*CT1/2		Roger Dahlman	Nashville TN	2100
	18 HCC Kampen 1	31-5202-24380	300		35 Jr Forum	1-214-669-9272	1200
	Robert v.d. Broek						
		Kampen Holland	*CT1/2		Mike Bowles	Richardson TX	WK:4p-8a,WE:
	19 HCC Groningen 1	31-50-145145	300				
	Frans Hartijzer	Groningen Holland	*CT1/2	1			

The following nodes have been excommunicated!

102/103 109/468 Point = Stone Compuvision

FidoNode Special Operational Codes



Hours of operation

RE: Node exercises some access restrictions.

XP: Node that supports the extended protocol which means it supports file request and update request.

If you would like to make a donation to support the efforts of the National FidoNet Administrators please send whatever you can to: International FidoNet Associa-tion, d/b/a FidoNet Administrators, PO Box 41143, St. Louis, Missouri 63141, USA

EUROPEAN PART OF THE NODELIST

Due to the extreme difficult situation with european modem standards please study the comment field of the nodelist before calling any Fidonode in europe. The comment field has the following meaning:

Positions 1-2 indication for mail

\* Node runs European mailslot uSA mailslot
 \* Node runs European mailslot in CCITT 300 baud only
 # Node runs European mailslot baudrate reflects max

Positions 3- indicate modem standards during non-mail hours and opening times. meaning: CT1 : 300 baud CCITT (V21) CT2 : 1200/75 split baudrate viewdata mode (V23) CT3 : 1200 baud full duplex bell compatible (V22) CT4 : 020 baud full duplex bell compatible (V22)

CT4 : 2400 baud full duplex

(V22)	
(V22bis)	

## Human Services Systems Survey

The purpose of this survey is to ascertain the future systems/computer needs of CUSS Network members and human service agencies in general. The information obtained from this survey will be used for the following purposes:

- Help focus the direction and content of the CUSS Newsletter and the CUSS Telecommunications Network to optimally meet user needs,
- (2) Provide information to systems software and computers vendors so that they may be better able to target their products to the human service community,
- (3) Provide information to federal, state and local governments and philanthropic organizations to better enable these organizations to fund projects that meet the information needs of human service providers.

I strongly urge you to take the time to complete this survey because the CUSS Network continually needs to stay in close contact with it's members to better address your particular systems and computer information needs. The results of the survey will be presented in a future CUSS Newsletter. I would appreciate it, if the completed survey questions could be mailed to the following address as soon as possible.

Dick Schoech, CUSS Network Coordinator, The University of Texas at Arlington P.O. Box 19129, Arlington, Texas 76019-0129

- 1. Are you responding to the following questions as a:
  - \_\_\_\_\_a. Public human service agency employee/manager
  - \_\_\_\_\_ b. Private human service agency employee/manager
  - \_\_\_\_ c. Academic
  - \_\_\_\_ d. Student
  - \_\_\_\_\_e. Consultant/vendor

2. Estimate the number of employees in your agency \_\_\_\_\_

- 3. How many years of experience do you have in the human services? \_\_\_\_\_ years
- 4. Do you consider yourself "computer literate?" \_\_\_\_\_ yes \_\_\_\_\_ no
- 5. How much systems experience do you have? (Check one)
  - \_\_\_\_ a. No experience
  - \_\_\_\_ b. Some experience
  - \_\_\_\_ c. Moderate experience
  - \_\_\_\_ d. Expert
- 6. Rank the top 5 areas where in your opinion you need more information or would like to see more research or development activity. (Number 1 is your top priority...Number 5 is your last priority)
  - \_\_\_\_a. Micro-to-Mainframe linkages
  - \_\_\_\_ b. Local Area Networks
  - \_\_\_\_ c. Multi-User micro's
  - \_\_\_\_\_ d. Use/Presentation of information for decision making
  - \_\_\_\_e. Videotext e.g.
  - \_\_\_\_\_ f. Systems/Computer Training Curricula for Human Service Managers & Users
  - \_\_\_\_\_ g. Micro software development for specific human services programs
  - \_\_\_\_h. User support groups
  - \_\_\_\_\_i. Hardware acquisition and vendor support
  - j. End user software applications [adaptions of expert system shells, spreedsheets, DBMS's for specific human service applications (case tracking, accounting, forecasting)]
  - \_\_\_\_\_ k. Use of computer-generated graphics
  - I. Telecommunications
  - m. System development strategies and guides, e.g. RFP writing, systems analysis, prototyping, knowledge engeinering.
  - \_\_\_\_ n. Other
- 7. Do program analysts or professionals use computers extensively in your organization? (Check the description(s) that best fits your organization)
  - \_\_\_\_\_a. Computers are not used
  - \_\_\_\_\_b. Analysts are not intersted in using computers
  - \_\_\_\_\_ c. We only input data, others may use the results
  - \_\_\_\_\_ d. Only the programmers use the computers
  - \_\_\_\_\_e. There are no software applications designed for our needs
  - \_\_\_\_\_ f. We have few user friendly software programs to use
  - \_\_\_\_\_ g. We have no budget for trainning in the use of computers

- \_\_\_\_\_h. We are adequately trained in the use of computers
- \_\_\_\_\_ i. The computers are primarily used by secretaries for wordprocessing
- \_\_\_\_\_ j. Most staff use computers in some aspects of their work
- \_\_\_\_\_k. We have too few computers and someone is always using them and I can't "get on"
- \_\_\_\_\_I. Computer are highly used by professional staff
- \_\_\_\_ m. Other \_
- 8. What is the best method to distribute information to you regarding advances in the human services systems/computer area? (Put in rank order with number 1 as your first choice)
  - \_\_\_\_\_a. Newsletters
  - \_\_\_\_ b. National Conferences
  - \_\_\_\_ c. Regional Workshops
  - \_\_\_\_\_ d. Telecommunications Network/Bulletin Boards
  - \_\_\_\_ e. Video Tapes
- 9. Which of the following would you like the CUSS Network to help you with? (Check those that apply) A. Software
  - \_\_\_\_\_a. Accounting (G/L. PR, A/P, A/R)
  - \_\_\_\_ b. Budgeting
  - \_\_\_\_ c. Other\_\_
  - 2. Programmatic Software
  - \_\_\_\_a. Client Tracking
  - \_\_\_\_ b. Case Load
  - \_\_\_\_ c. Diagnostic
  - \_\_\_\_ d. Other \_\_\_\_
  - 3. General Software
  - \_\_\_\_\_a. Statistics
  - \_\_\_\_ b. Graphics
  - \_\_\_\_ c. Spreedsheets
  - \_\_\_\_ d. Communications
  - \_\_\_\_\_e. Word Processing
  - \_\_\_\_\_ f. Data Base Management
  - \_\_\_\_ g. Other \_\_\_\_\_

10. Would you be able to attend a National Conference on Human Service Computing? Yes No

oompaning		100
A Regional	Conference?	Yes

11. Would you be interested in purchasing (\$20/copy) Video cassettes on human service systems topics (i.e. use of spreadsheets, a DBMS based client tracking system, etc.)? Yes \_\_\_\_\_ No \_\_\_\_

No \_\_\_\_

12. What is your biggest computer related problem at present?

13. Please add any other recommendations or areas where the CUSS Network can be of assistance.

# **Computers in Psychiatry/Psychology**

## The essential quarterly for clinicians using computers

Featuring articles and software reviews on diagnosis, testing, research, office management, and therapy. Bibliography, calendar, reader activities. Volumes 6 and 7 (1984, 1985) \$80 All seven volumes: \$195 Volume 7 (quarterly commencing January 1985): \$45

	Computers in Psychiatry/Psychology 26 Trumbull Street New Haven, CT 06511		
Please send me Vols.	(add \$10 for outside USA & Canada)		of CP/P
My check for \$			is enclosed.
Name			
Address			
City	State	_ Zip	

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

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

- In Australia, send to Floyd Bolitho, La Trobe U, Social Work, Bundoora, Victoria, Australia 3083.
- In England, send to Lawrence Mosley, Computer Science Dept., University College, Singleton Park, Swansea, United Kingdom SA2 8pp. In France, send to Alain Mazet, 10, Boulevard Gambetta, 87000 Limoges, France.
- In Israel, send to Menachem Monnickendam, Deputy Director, Dept. of Development of Local Social Services, Ministry of Labor and Social Affairs, POB 1260, Jerusalem, Israel 9100.

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

In West Germany, send to Ursula Koch, Fachhochschule Ostfriesland, Constantiaplatz 4 D-2970 Emden, Germany, Europe.

Name	Title/Occupation		•
Organization			
Address			
City	State	Zip	

 Dues: I enclose
 for
 new
 renewal
 (Pay in U.S. Funds if possible)
 Make checks payable to CUSS Network.

 Dues are \$5 for students and the poor, \$10 for individuals and \$15 for organizations. UTA's Federal Taxpayor's ID# is 75-6000121W.
 \*Please indicate if you do not want your name provided to those interested in using the CUSSN mailing list.
 6/2

#### Note: The date of your last paid issue is on your mailing label. Check it to make sure your membership is current. Other codes are as follows:

**Due** means you requested to be billed, your bill has been sent and CUSSN is waiting for your payment.

Ex means you receive the CUSSN Newsletter because of your position or in exchange for services/publications. However, dues are still welcome.

Dick Schoech CUSS Network Coordinator The University of Texas at Arlington P.O. Box 19129 Arlington, Texas 76019-0129

Non-Profit Org. U.S. Postage PAID Arlington, Texas Permit No. 81

Address correction requested 56-184