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Editor and Publisher Eric Corley 110

Office Manager Bobby Arwatt

> Mike DeVoursney Production

Bill from RNOC, David Ruderman, Bernie S., Mike Salerno, Goldstein, Choster Holmes, Lex Luthor, Phantom Phreaker, Writers: John Drake, Paul Estey, Mr. French, Emmanuel Silent Switchman, Mike Yuhas, and the usual anonymous

Cartoonists: Dan Holder, Mike Marshall Reader: John Kew.

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Important News

instead of a monthly publication. way 2600 is published. As of 1988, we will become a quarterly publication forced us to make some changes in the A number of circumstances have

income, we are able to continue to keep By providing alternate sources of organizations where the magazine is the magazine going at a low cost. is why we continue to sell back issues. passed around to many people. And this namely corporations and large more to those that can afford more, issue for a year. This is why we charge less than what it costs to produce one out of funds entirely. The \$15 we charge of these ambitions. However, if we were for an individual subscription is actually to continue at this pace, we would run visible. And we have succeeded in both articles and also become a little more format so that we could present longer frightfully expensive. We adopted this thing we can't help but notice is that it's "new" format for a year now. And one We've been printing 2600 under the

don't want to take that road. with annual prices of over \$100! We smaller and less informative than ours subscribers. We've seen publications out of the reach of most of our office, we could easily put the magazine of printing, mailing, and running an By raising the price to cover the costs

make each issue mean a little more. hopefully give ourselves more time to ourselves out of financial problems, and increasing the size of each issue slightly) we can keep the price down, keep publish during the year (at the same time By reducing the amount of times we

a result of our campaign to abolish the abuses of technology. We're told that as educate the populace on the uses and a magazine. We're constantly trying to the magazine. But 2600 is more than jus put a great deal of time into putting out This brings us to the time factor. We

> we'll be better able to put out a quality publication and make it more goals. At a more relaxed pace, we feel exposure in the media or by getting organization, either by getting maximum computer users. And, of course, we want memorable overall. the time to adequately pursue these current frenzied pace, we just don't have international distribution. At our about this magazine and our to make sure that people see and hear ensure freedom of speech for all bulletin board network will do much to proposing just that. Our growing be introduced in the state legislature touch tone fee in New York, a bill may

you a refund for the balance of your about anything else, we'll certainly give live up to your expectations. issue of our quarterly format to see if we you'll stick it out at least to the first subscription. We hope, though, that strongly negative about this change or agree with our conclusions. If you feel Naturally, we don't expect everyone to

issue; April, May, and June-summer; and March will end with the spring following manner: January, February, expiration date will be adjusted in the September 15, and December 15, Your around March 15, 1988. Subsequent December-winter. October, November, and July, August, and September-fall; and mailing dates are scheduled for June 15 Our spring issue will be mailed on or

call your post office. Usually it is the post office on the receiving end that is at we send it out, you should call us and not get an issue within a week of when complained about their issues arriving the post office to do their job. If you do we must become militant in convincing late or sometimes not at all. It appears A number of subscribers have

change results in a better publication on what we're doing. We hope this and a stronger I wenty Six Hundred. As always, we welcome your feedback

HACKING IBM'S

and The Legion of Hackers

chart shows some VM/CMS commands with reference the CMS counterparts. commands. This will allow those readers who are their equivalent UNIX and VAX/VMS amiliar with other operating systems to quickly Command Interpretation Chart. The following

Certair	FROM SAF	BEEFE OF	TYPE LINGS	DIRECTORY & MA	JINDA, DAYMADDON, XING SMV-XXX
Cri-Saccian	No. of London	ad or el or ex ration filense	2 100	* 8	
100	TELL HOY'S	1000 Same	Title hard	THE STATE	AN'CMS
shorts protes	THE DISTRICTION	EEEE the company from a EALSE hands	EL DE VIEW THE		VM.CMS explanation

Corresponding files:

LOCAN COM	MALTE	SYSUM-DAT
PRIFILE	7100K-858	AELT-PASSWI
THORIL EAST	TOWN DRIVES	SYSTAL DAT 1550 DOST DASSAGE AND A STATE OF THE STATE OF
Dec più comend	MAILTET SERVANCE (\$500 METE Electronic	Star Ed & com
- 5		

Local Commands:

COMMON your own.) I will mention a few which may be available from IBM or are cheaper to write on system, and distortized to suit a facility sneeds. found on other systems, as these are rather These commands are exects which are either not Local commands are written for an individual

any user that you specify who is on the system This is similar to the UNIX command "linger" This command gives a little information about

WHOIS MAINT BACKUP MAILER BUBBA RELAY

MULT	MANA	VSBN	MALER	Atking	THINK	THE .
THE REA	IJMIR	Bubba B.	DALIS	SIG MA	System	X
MAN Shirt IS	Francisco Chair Fa	Samuel Pro	Irin And Mal	an Backup and	System Maintenance Spound	
	diy	Spec manage	Processing No.	Retivery Mach	200	
		perito by	die.	100 CO		

READPW SYSPASS

WRITEPW

to change their logon password (SYSPASS) reason why many passwords remain the same for password is by having the system operator or write access minidisk password (WRITEPW) read access minidisk password (READPW), and long periods of time. These programs allow users someone with high privileges do it. This is one You may find these or similar programs on some

Privileged Commands

conscie or both, especially when using FURUE running privileged commands. Successful uses of system keeps no records of failed attempts at in the CP Directory. The following are some are using is. The only way to find out is to check these commands are most likely recorded, either needed to run them. From what I've seen, the privileged commands and what privilege class is determine which privilege class the userid you in a log or by sending a message to the system As far as I know, there is no command to

FORCE userid (Class A)

to be a total idiol for abusing this command you specify. I really can see no reason other than This command will forcibly log off the usend

DISABLE raddr (or) all (Class A or B)

kicked off of the machine, if you do DISABLE a privileged commands unless you want to be terminals from logging onto the system. Again terninal, simply use:ENABLE to repair the there is no real reason to use this of most other This is used to prevent specific terminals or all

DETACH regisdor (FROM) whatever (Class B)

packs, tage drives, etc. You must know the real system name, or a userio. address of the device, and "whatever" can be the system. These can be terminals, printers, disk This is used to detach real devices from the

WARNING userid (or) operator or all (Class A or 8)

VM/CMS-PART TWO

are BONEHEADS is not recommended. Obviously sending a msg to all users stating the interrupt anything they happen to be doing operator, or all users on the system. It will Warning will send a priority message to a user,

Minidisks

Control Mode). mode, and 001-FFF in ECMODE (Extended from 001-SFF (hexadecimal) in basic control Each minidsk has a virtual address which can be access. It can also be used for storage of files defined for R/W or R/O (read/write or read/only) for every CMS file on the disk. A minidisk can be disk, is a file directory, which contains an entry minidsks on a DASD. Associated with each CMS memory storage units. There can be many directories called minidisks. Minidisks are measured in cylinders, which are the standard IBM PC. Before the drive can be used, it must be on. This can be compared to a hard drive for an device is the actual disk the information is stored cylinders on a real DASD volume. The real DASD formatted. Once formatted, it is divided up into A minidisk is a subdivision of consecutive

SEARCH command to determine which disks we under the userid of JOE. We want to see what fundsks we have access to. We use the QUERY assume we are logged onto a VM/CMS system letter of the alphabet (A-Z). For example, let's CMS minidisks are commonly accessed by a

Q SEARCH

J0E001 J0E002 CMS190 CMS19E
191 192 190 198
≾°°°
R/W R/O R/O R/O

another disk used by JOE. is the default. Most accounts you gain access the files and programs for running the system. 191. The Sidisk is the System disk. This contains with will have an A disk with a virtual address of The same goes for the Y disk. The D disk is address, friemode, and access mode. The A disk Fach minidisk has a volume name, virtual

contains by issuing the LISTFILE command You can view what each of these directories

PROFILE	y MISC	
EXEC	WHATEVER	NOTE
8	=	≥

pattorn which tells what type of file it is anything you specify, but commonly follow a column is the filename, the second is the filetype. (A-Z) and a filemode number (0-6). anything you specify. Filetypes can also be and the third is the filemode. Filemanes can be liamodes are comprised of a filamode latter This is a list of files on the A disk. The first

characters: A-Z, 0-9, \$, #, +, - ; Filenames can contain the following

Here is an explanation of common frletypes:

Description

WITH IN REXX User written programs or IBM procedures Data for programs or simply TYPE-able text

HELP System HELP files.

HELPCMS System HELP files.

ANGUAGE One of the languages that the system supports, such as ASSEMBLE, COBOL, FORTRAN, JCL. REXX, PL1, SNOBALL, BINARY, 815.

FOVOLIB LISTING Program source code listings

MACLIB Loading Library

Macro Library

MODULE System commands

SENT to other users. Contains a list of all files which have been

NUTE Similar to E-MAIL on other systems, a note Seri from another user

TEXT Text file. Probably used for programs and SOURCE SOURCE code for various programs.

XTLIB Text Library when TYPEd yields IIIIie.

(EDIT A file which was created using the XEDII HATEVER A nonstandard filetype which will probably be somewhat descriptive of its contents.

eight characters in length. Both filenames and filetypes must not exceed

Filemodes

VM/CMS. This may be due to the fact that prectory security is very good. A file with a mode filemode 0: There is little file security on Filehode numbers are classified as follows:

(continued on next page)

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2600

mode and get a directory listing, files with a When you LINK to someone's disk in Read/Only unless they have Read/Write access to that disk of zero makes that file invisible to other users mode of 0 will not be listed.

specify this filemode number (unless you want reading or writing files, you do not have to to) since it will default to it. Filemode 1: This is the default frienced. When

are shared by users who link to a common disk. filemode of 1. It is mainly assigned to files which ke the system ask. Filamode 2: This is basically the same as a

automatically deleted to koop disk space and that are unimportant or have one-time use can be can shorten your stay on a system. The main without paying attention to the filerode numbers read it will be praised. Blindly reading files been read. If a file with a mode of 3 is printed or These are automatically erased after they have maintenarios to a minimum. reason for this filemode is so the files or programs Filemode 3: Be careful when you see these

should not be concerned with it programs running in CMS. I have not found any OS data sets. They are created by OS macros in files with this filehode, so for the time being, you Filemode 4: This is used for files that simulate

onter: ERASE * * A5. Now all files on the A disk keep for a certain period of time. You could just groups of tiles or programs, it makes it easier for with a filomode of 5 will be deleted. deleting a number of titles that a user wants to filerade 1. It is different in that it's used for Filemode 5: This is basically the same as

be specified, and have not found any tiles with a back to disk in the same place which is called update-in-place". I have no idea why this would Friemode 6: Files with this mode are re-written

Filemode 7-9: These are reserved for IBM use Appearing information

see what is on the D disk Looking back at our Q SEARCH listing, let's

USIF . . 0

NOTMUCH ONHERE DI

called NOTMUCH with a fretype of ONHERE Read/Only access to the 0 mindsk! So there But do not forget the fact that you only have would be 00) are invisible to anyone who does Remember all filamodes of 0 (which in this case not passess Read/Write access may or may not be merely one file on the D disk

example with the filemode letter (A-Z) you want to access. As was shown previously, the OUERY ATTACHED to by replacing the D in the above logging in These command statements are minidisks that your usend is attached to upon usually found in your PROFILE EXEC. SEARCH command will give you a list of you can access any disk that you are

wildcard characters to view the contents of every be hundreds on the system. Unlike UNIX and Mutti disk access password, depending on which wish to access 2) The virtual address(es) (CUU) user's directory. In order to access another users matter, you cannot issue a command and some VMS, and most other operating systems for that that the USERID pwns; 3) The Read, Write, or directory (minidisk) you must have the following The USERIO of the person whose disk you spess mode you wish to use. So you can access a few minidolos. There may

This would be accomplished by the following:

LINK TO BUBBA 191 AS 555 RR

Enter READ link password: ********************

HHHHHHHHHHHHHHHHHHHHH

R: T-0.01/0.01 21:58:48

Q SEARCH R: T=0.01/0.01 21:59:03

808001 J0E002 100001 CMS190 191 192 192 198 8/0 8/0

VM/CMS-PART TWO

PROFILE MISCFILE

REL 555

B: T=0 01/0.01 22:02:01

LIST COOLIFIED. Now an explanation of the events which have

users' minicisks. The format is:

PASS=PASSWORD LIKK (TO) USERID VADDRI (AS) VADDRZ (MODE)

See toos lith an se falber difficult, time-consuming, and dangerous to us would be to guess them. This would be access those assuming BUBBA did not give them addresses which are somewhat obscure, say or userid's may not have any or they may have 134 or 503. The only way we would be able to minidisk with the virtual address of 191. Some We are assuming that BUBBA indeed has a the system since it contains system commands automatically accessed by nearly all the users of address. The 190 and 19E addresses are usually could access either our 191 address or our 192 access our minidsk whose userid is JOE, he belongs to the BUBBA userid. If BUBBA was to access. VADDR1 is a virtual address which BUBBA is the USERIO whose disk we wish to shouldn't be a problem if you also have write access since the person is not active. If that through the Q NAMES command, then it another's disk if they themselves have write

We could have easily used 104, 33F, 5FA, etc. Control. In this example, we chose to use 555 to SEF in Basic Control or EEF in Extended be 190, 191, 192, 19E) and is in the range of 001 in our control (i.e., in our O Search which would VADDR2 is any address which is not currently

printery mode is not available, the alternate is designates the alternate access mode if the access mode. The second letter is optional and to 2 letters. The first letter specifies the primary MODE is the access mode which consists of up

and sapour sycon

"Blauf: You can opt to not specify an access "Ode when linking to a user's disk, and this is the Be Primary Read/Only access. This is the printouts found in the trash. If this occurs, just bit Obviously this is to prevent people from "Spooting" the password off the screen or from that the LINK command was entered on.

links are in effect. made which is used. It will only work if no other

inks are in effect to that users disk RR: This allows read access no matter what

no other links are in effect. W: Primary Write access. This is only good if

made. If not it will go to Read. WR: If Write is available then the link will be

Mr. Primary Multiple access

MR: Resorts to Read if Multi is unavailable. MW: This guarantees write access no matter

The LINK command is used to access other

to Read/Only. For this reason, you should have

disks when you log on, your access will be forced

If another user has write access to one of your

ead access to other disks instead of write. If you

avoid any chance of data being destroyed. to RELEASE that disk as soon as possible to

person reconnects, however, than it is advisable

see that the user is in a disconnected (DSC) state person linked to it with write access. Now if you access. CMS cannot guarantee the integrity of

It is not recommended to have write access to gain write access unless you use a mode of MW unauthorized individuals gaining write access to

If a user has write access to a disk, you cannot

read to avoid suspicion by that user of

then link with write access, view, or access those illes, then RELEASE the disk and re-access it via

wish to see what files have a filemade of zero.

the data on a disk which has more than one

the access mode we used was RR. Valid

for each minidisk—R, W, and M. Up to three access mode passwords can exist usend which you are attempting to gain access If the installation uses the Password

access mode password for the VADDR1 of the can be a 1-8 character string that must match the

PASS=PASSWORD. Like the logon password, rt

Suppression Facility, an INVALID FORMAT message will be issued when you attempt to (§) abod no paninjnoa)

enter the password for a disk on the same tine

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Page 6

December, 1987

the telecom informer

digital, or private line links, such as the access the system by using analog lines networks, these companies could then month. Depending on their own companies must feed their credit easily. Participating long distance particular numbers to trace fraud more obtain data on calls to and Ironi credit histories. Carriers will be able to ahead, ... AT&T and Indiana Bell have intermation. It looks like some fun lies to be able to get more specific other than having eyewitnesses. We hope is no real way of tracing such an action. ever be caught because apparently there not many people believe this bandit will Unlike the Captain Midoight spectacle. making obscene gestures. We've heard dressed in Max Headroom gear and somehow overpowered the signals of incident in Chicago - a video pirate something about the "Max Headroom company.... We probably all heard is 713-621-2949. Keep in mind, though for call forwarding, etc."). The number Communications Fraud Control Ameritech Packet Switched Network information into the database every information on network inisuse and interexenance carriers to share Revenue Protection System (doesn't that traud. Their new service, called the linked forces to combat long distance the real trick is finding their path. local station on their microwave links it's ridiculously easy to overpower a done. Most of these seem to agree that all kinds of theories as to how it was two local stations on different nights. teatures vary from company to information on how to use certain interactive number that gives you sound like a mobster term?) allows that instructions for using custom calling trandy service for you. It's a special leatures ("press. I for call waiting into, 2 the tolks at the national tolks at Southwestern Bell have a f you've suddenly forgotten how to use custom calling features, the

specialized databases. According to CO with a group of Bellopre-developed handle a variety of tasks by interacting network....BellSouth will be the first services. Previously, ITT card customers customers with 111 calling cards. surcharge for "950" calls placed by long distance unit, U.S. Transmission out what promises to be a significant Regional Bell Operating Company to try placed over the ITT paid a 50-cent surcharge for each call charge subscribers a fee to access "950" Systems Inc. (USIS), will drop the intrusions....ITT has announced that its charges weren't laid because the systems -three belonging to multibulletin boards," he said. The final world. "He was using our computer \$1,000 in long-distance computer calls to a teenage computer "whizkid" arrested new service known as the latelligent Virtually all long distance carriers companies weren't aware of the Ontario -were entered but criminal system to use other computers and among computer backers around the endorsed this new service....Police hope national corporations in Southern records showed five other computer Commodore 64, to break through the youth was using a basic computer, a Westinghouse hasn't decided if it will telephone tab could reach \$10,000 but "unselfish", passing the entry code spokesman said the youth was the company. A Westinghouse Exchange (PBX) and billed more than Hamilton police that an outsider had Westinghouse Canada complained to entire province of Ontario. The setwork. This network will be able to sophisticated security systems. The teen's seek restitution in the courts. Police said broken into their Private Branch investigation started in October when hust a hacker network that spans the in Burlington, Canada will help them for theft and intercepting computer data Association of Fairfax, Virginia have

> known as QWERTYphone. It's a desk-"advanced business systems" a product telecom is marketing as part of its throughout the network....British located database and distributed Calls will be handled by the remotely switch long distance companies. Call handling will not be limited to switches that customers won't have to change customers to easily change their their 800 numbers if they decide to their 800 numbers. What this means is interexchange carriers without changing interexchange competition, and enable interexchange carriers, enhance handing off of 800 customers to improve Bell Operating Company (BOC) equipment efficiencies in the Magazine, the Intelligent Network will applications for anything from car are "hostile". This information could be used to decide the fate of their Arabs who are "positive" and those who gain access to lists of names of those doenses to travel documents the occupied territories will be able to terminal, any Israeli official working in By pressing a key on a computer do not apply to the occupied territories. balances governing the use of databases normal Israeli laws and checks and dangerous, the report says, because the West Bank and Gaza. It is particularly occupations of Arab residents of the licensing, consumption patterns, and involvement in illegal activities, lamily ries, political attitudes,



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widely respected Israeli research institute by the West Bank Data Base Project, a and Gaza Strip. According to a report about Arab residents of the West Bank wide range of personal information creating a computerized database with a network and PBX facilities....Israel is dual signating, plus one-button access to secreey button, last-number redial and

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information on property, real estate,

computer, which began operating over the summer, is being programmed with

operation" and a potential "big brother for the West Bank and Gaza Strip. The

to a "computerized carrot and-stick Ministry of Delense database amounts occupied territories, the new Israeli monitoring developments in the

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all about BLV

process of verification. this article is written solely on the AT&T TSPS explanation of just how d all really works. (Note: the phone phreak world. Here then is an operator functions that have always fascinated Verification and emergency interrupts are two

is connected to Jones and they talk. operator Jones' number. After a few seconds, he call in progress so he can get through. He tells the hm. Smith replies that he heads to interrupt a Operator (or in some areas, 0 still gets TSPS) the operator, by draling 00 for an AT&T TSPS Smith must talk to Jones immediately. He calls friend, Jones, Jones' telephone line is busy, and The operator answers, and asks if she can help Let's say Smith needs to get ahold of his

introduction of BLV via TSPS brought about System (SPCS) called the Generic 9 program. of a TSPS that uses a Stored Program Control a line", "REMOB", and others BLV is the result virtually every TSPS has the Generic 9 program. Daytona, and Columbus, Ohio in 1979. By now SPCS and hardware was first installed in Tucson. more operator security features. The Generic 9 operators did the ventication process. The Before the rise of TSPS in 1969, comboard this process, but it has been called "Verification" Verification, or BLV. BLV is the telco term for Autoventy", "Emergency Interrupt", "Break into The name for this process is Busy Line

815 operator then would say something along the outside of her own area code, (her service area). was being reached with an inward routing. The on the 314 operator's console would tell her she receive the 815 TSPS operator's call, but a lamp code that is necessary in some areas. Now a where TTC is an optional Terrinating Toll Center area code, 314, with KP+314+TTC+121+ST answered Smith's call cannot do the interrupt 314+555+1212. The 815 TSPS operator who emergency interrupt on a given number oustomer, would tell the operator he needed an in the 815 Area code, Smith would dial 00 to ines of she needed an interrupt on so she would call an Inward Operator for Jones ISPS operator in the 314 area code would reach a TSPS that served him. Now, Smith, the If Jones was in the 314 Area code and Smith was A TSPS operator does the actual verification

> customer (Smith) that 314+555+1212 was not 314+555+1212, and her customer's name was busy, then the process of an Emergency Interrupt given rumber (in this case, 314+555+1212) was busy and the could call as normal. However, if the not busy, then the 314 Inward would report this Operator Direct Distance Dialing.) If the line was normal Direct Distance Dialing (DDD) fashion J. Smith. The 314 Inward (which is really a to the 815 TSPS, who would then report to the (DDD by an operator is really called ODDD, for TSPS) would then dial Jones' number, in a

be KP+666+0000+ST. The BLV trunk cannot 914+666+0000. The routing for your call would 914+555+1000 and wish to cal outputse an 0XX first (Example: You live at normal call on a Toll Network trunk does not connected to his friend's line, and find himself in mismatch did occur, someone calling a friend in and the ST is the STart signal which tells the ISPS console, and the equipment would outpulse (onto the BLV trunk) brunk is waiting for an OXX sequence, and a the middle of a conversation. But the verification the same area code might just happen to be this screening code wasn't present, and a trunk accidentally connecting to a ventication frunk. If Network (used in regular calls) trunk from would then press her VFY (VenFY) key on her ventication trunk that no more MF digits tollow ast four digits of the requested number (1212) of the requested number (555), the XXXX is the mismatching, the NXX is the exchange or prefix is a "screening code" to protect against trunk prepares the trunk to accept MF tones, the OXO KP+0XX+NXX+XXXX+ST The KP signal operator notifies the oustoner. The 314 inward then the verification cannot be done, and the call in lines, police station lines, etc. If the line should not be verified, such as radio station The screening code is there to keep a normal Tonumber a customer gives is on this software list line asked to be ventiled against a list of lines that trunk (or BLV trunk) to the toll office that served (555+1212). A feature of the TSPS checks the the local loop of the requested number The 314 Inward would sege a veolication

busy line verification

a BLV network for each NPA, and if you sometrow gained access to a BLV trunk, you that the trunk was located in. could only use it for interrupts within the NPA 314, it would not work. This proves that there is operator must call an Inward for the area code ISPS in 815 tried to do an interruption a trunk in that can outpulse onto the proper trunk. If a interrupt outside of his own NPA, the TSPS the reason why if a customer requests an and thus would give the caller a re-order tone.) activates an alerting tone that can be heard by

the toll effice that serves the given end office is passed along BLV trunks until the trunk serving local loop. The same outpulsing sequence is the right Class 5 end office that serves the given BLV trunks "hunt" to find the correct trunks to

BLV tranks running from a TSPS site to that foll central offices, that toll office would have ten lines (exchange). So, if a lott office served ten There is usually one BLV trunk per 10,000

Scrambling the Audio

deactivates the speech scrambling circuit and port on the busy line. The EMER INT key also galleds the operator to be added into a three way (EMEAgency INTerupt) on her console. This console, and not on verification trunks. In the the operator presses a key marked EMER INT the dustomer. If there is a conversation on the case of Jones and Smith, the 314 Inward would speach scrambling feature is located in the TSPS only report back to the customer that either the tell the 815 TSPS, and the 815 TSPS would tell line, and she can't do anything about it. This phone is off-hock, or there is a problem with the modern signal, or a dial tone is present upon the operator from being able to tell if a conversation, in on people, but it is not enough to keep an scramble is there to keep operators from listening line. If the operator hears a dial tone, she can on the line while the operator is doing a VFY. The within the operator console generates a scramble scrambled state. A speech scrambler circuit dial tone, indicating a phone off-book), but in a what is going on on the line (modern, voice, or a The operator (in using the VFY key) can hear

BLV trunk cannot contain an area code. This is tell's the customer that an operator is on the line Also, note that the outputsing sequence onto a lithe called oustomer every 10 seconds. This tone without loss of connection. the calling party and the interrupted party that the line is tree. Or, the operator can connect hangup, and then notify the requesting customer needed to contact him or her, and have him/her called customer would not accept. The operator the person who requested the intempt that the called customer says "no", then the operator tells previous party would be disconnected. If the calling party be connected to him, while the would say. "You have a call waiting from original TSPS. The customer would confirm the customer requesting the interrupt gave the can just inform the busy party that someone (oustomer name). Will you accept?" This gives operator had the correct line. Then the operator NXX-XXXX?" where NXX-XXXX would be the prefix and suffix of the number that the original however. Now, the operator would say "Is this Some areas don't have the alerting tone, the customer the chance to say "yes" and let the

entire verification process as described above. original answering TSPS operator would do the line within his home NPA (HNPA), then the If a customer requested an interrupt upon a

on it, there will be no charge for the verification of a conversation, if the line has no conversation is busy because of a service problem or occause There is an 80 cent charge if you ask the operator interrupt a phone call so you can get through. to verify whether the phone you're trying to reach least) run \$1.00 for asking the operator to The charges for this service (in my area at

emergency interrupt gets his telephone bill, the charges for the interrupt call will look similar to When the customer who initiated

12-1 530P INTERRUPTICE 314 555 1212 00 1 1.00

is what took place, that is, an interrupt call, 314 Operator assisted, Daytime call, the t is the 555 1212 is the number requested, 0D stands for operator requesting an interrupt, INTERRUPT CL 530P is the time the call was grade to the The 12-1 is December Flist of the current year.

accept a 666 in place of the proper 0XX routing

DECEMBER'S

Switch-Hook Dialing

Dear 2600:

After recently reading some old textfiles on switch-hook dialing, I've been trying to practice my speed. Switch-hook dialing comes in handy when you just happen to be at a phone that has a dial lock or some other device restricting dialing. I can now switch-hook dial on almost any phone, it hardly ever works properly. Why is this?

Dallas, TX

known as a "white box". to simply carry a touch-tone pad lake way, the best way to defeat a dial lock is they tend to be more durable. By the first place? We assume it's because have these mercury switches in the dialing a new digit. Why do pay phones be long enough to appear that you are mercury to make or break contact can dialing. The time it takes for the thus disturbing the timing of your ball of mercury to roll back and forth payphone, it would take time for the down onto two contacts. If you were to rapidly depress the switch-hook on a angle a small ball of mercury rolls works is when the hook-switch is at an mercury switch in it. The way this Electric/AT&T payphone has a The switch-hook in a Western

Pen Registers

Dear 2600:

I was wondering if it would be possible for you to have a listing of all the 2600 support BBS's around the country? I for one would be extremely interested, and I'm sure there are many others out there like me.

Also, my school has a "regulation" pen register on all their lines. I am currently trying to gain any information from it that I can. But for now, I need to know if there is any way of determining

if you have a pen register on your line. Strange things have been happening on my line, and I was wondering if there is any sure way of telling if your line is being monitored or tapped by good old Ma Bell. Any help or suggestions would be appreciated.

Norman Bates

First off, we have two bulletin boards online at 914-725-4060 and 914-234-3260 and quite a few others that have expressed interest in becoming 2600 bulletin boards. We will announce their numbers when the time comes.

cucks on your line. naturally, you won't beer any telitaid method is completely untraceable. And particular line is necessary, this increase. Since no direct contact with a that passive eavesdropping will microwave and satellite hacking possibilities are almost endless. As harder culprits are those that are doing required to tell you at some point. The becomes more commonplace, if s likely company does it legally, they're often attached to your line. When the phone or not there is samething strange simple matter of asking any someone in the switchroom. It's a can often find out by betriending easier culprits to track down. If they phone company itself is one of the strange hoises over the phone. The Radio Shack pen register anywhere on example, someone could plug in a In some cases this may very well be line by hearing strange clicks or tones it outside the law where the acquaintances you have there whether have a pen register on your line, you your line and it would not make any true but certainly not in all. For when there's a pen register on their Some people claim they can toll

Evil Happenings

ar 2600:

There really is a big "brother". They are the C.F.R. and the Trilateral

LETTERS

Commission. Their goal: a one world government and a one world money system. Computers will play a key role. This is why the crackdown on hacking and billboards is on.

Paia Jones



Thanks for this interesting bit of news.

Canadian Questions

Dear 2600:

I think you have a great mag. Is there a store that I can go to every month to buy your mag in Canada? Do you know a Canadian address where I can get hacking software for the Commodore 64 or an IBM clune? I would like both, most. I ikely communication and deprotection utilities.

Toronto

We don't have any distributor in Canada so you won't find us in any stores. As far as software, since we really don't handle that kind of thing we suggest putting a free ad in the 2600 Marketplace or asking around on bulletin boards.

Speaking of stores, here are the ones you can find us in in New York City: Apostrophes Books, 660 Amsterdam

Avenue: Coliseum Books, 1771
Broadway: Soho Zat, 307 West
Broadway: Hudson News—Kiosk, 753
Broadway: Spring Street Books, 169
Spring Street: Papyrus Bookshop, 13
St. Mark Street: Shokespeare Books, 2559
Broadway: St. Mark's Bookshop, 13
St. Mark Street: Shokespeare Books, 2259
Broadway: B. Dalton's Booksellers, 395 6th Avenue; and College Stationery, 2951 Broadway.

The Truth Revealed

Dear 2600:

What's the difference between Box 39 and Box 752?

Cheshire Catalyst Resides being on separate ends of the post office with 652 other boxes between thom, there is a very fundamental difference: Box 752 is for subscription information and Box 99 is for editorial submissions and letters. You played it safe by sending your letter to both boxes. This is a reply to the letter sent to the proper box, namely Box 99. The other letter was sent to the wrong box and, as a result, was ripped to shreds and burned.

Ingenious Solution

Dear 2600:

I may have found the solution to the problem of not being able to store issues of 2600 since you wont to the "booklet" format. If you take a plastic diskette holder such as the ones prepunched to fit into the small 3-ring notebooks, you will see that 2600 is just a little too big to fit inside the pocket designed for the diskette.

However, take a blow dryer and heat the plastic insert. When it is fairly warm, grab each side and stretch the insert! Now, 2600 will fit neatly inside the pocket and can be put in the 3-ring notebook. A whole year will fit nicely in 6 plastic inserts and now the notebook can be placed in your bookshelf along with your other classic books! These

(continued on page 16)

2600 December, 1987 F

HACKING IBM'S

Combined from page 1

for the enter password response.

ready message indicating that the transaction not be asked for one. You will then receive a password is not required for any user so you will has just been completed. the CP Directory. If the password is "ALL" then a password and other information is contained in Every disk password along with every user's

if there is no entry for multi-then there may or BUSBA has. Within the CP directory, if there is and at the same time possess all of the privs that obvious. If BUBBA wants JDE to access a disk may not be chiries for read and write. read, but definitely not one formulti, And finally. write then there may be may not be an entry for no entines for write or multi. If there is no entry for no password entry for read access than there are access all of BUBBA's disks with no problem, password then JOE could logon as BUBBA and password. If this was identical to his togon then he can give JUE the conceponding disk access made passwords. The reasons for this are user's logon password cannot be any of his his logon password. One note—I believe that a access to BUBBA's directory would be by getting LINKED; NO READ PASSWORD, then within the CP Directory, there is no read password at all. This means that the only way you can gain Hydureceive the message: "BUBBA 191 NOT

come into account along with the element of Common sense and "Password Psychology" passwords are the same as anything else. The methods for obtaining disk access

and M access instead of three separate course it could be something like: J2*Z5. Mary READIEST, TESTREAD, and even VMTEST, Of may be READ, READYM, VMREAD times the same password will be used for R, W, RVMTEST, RVM, RTEST, RTESTVM, Others hacking the READ password. Passwords may be: Assume the userid is VMTEST and you are

command will be disabled for the remainder of attempts: which usually defaults to 10, the link due to invalid passwords. When you exceed the maximum number of incorrect password CP keeps track of unsuccessful LINK attempts

return after entering the access mode, and wait your stay on the system. All you have to do is re-logon and you will have full use of LINK again.

threshold is reached the userid whose password due to the above are recorded. When the you are trying to hack is sent a message. facility is activated, unsuccessful link attempts you make and keep just short of the system Therefore, keep track of the number of attempts If the LOGON/AUTOLOG/LINK journaling

a directory listing or access any files on that disk must issue the ACCESS command in order to get This is accomplished by: After successfully larking to a user's disk, you

command line, and "8" is the filehoode letter assigned up to a total of 26 (A-Z). anything but the letters which you have already which you wish to access the disk as. This can be VADDR2 is the address after "AS" in your link

whatever disks you wish and fink to access merely the ACCess command and what filehode do not have to assue another link command but want to access more. You would then release others. After releasing a disk, to re-access it you already are attached to 26 minidisks, and you content, you can then RELEASE it. When you Releasing the disk is not necessary unless you logoff, the disk is automatically released After accessing the disk to your heart's

reason, you should issue it. Then all you have to access to. All of these may or may not be filerrode. on is ACCess the virtual address and define the automatically accessed upon logon. For this mindisks that most everyone on the system has The QUERY DASD command with list the

OSAG Q

DASD 190 3380 SYSRES 8/0 32 CYL DASD 191 3380 SYSRES R/W 1 CYL DASD 192 3380 SYSRES R/O 2 CYL DASD 193 3380 SYSRES R/O 21 CYL DASD 194 3380 SYSRES R/O 21 CYL DASD 196 3380 SYSRES R/O 27 CYL							
3380 SYSRES 8/0 32 3380 SYSRES 8/W 1 3380 SYSRES 8/O 2 3380 SYSRES 8/O 29 3380 SYSRES 8/O 21 3380 SYSRES 8/O 27	DASO	DASD	DASD	DASO	DASO	DASO	
SYSRES 8/0 32 SYSRES 8/W 1 SYSRES 8/O 2 SYSRES 8/O 21 SYSRES 8/O 21 SYSRES 8/O 27	196	Ē	193	192	19	190	
8/0 32 8/W 1 8/0 2 8/0 21 8/0 21 8/0 27	3380	3380	3380	3380	3380	3380	
32 19 21 27	SYSRES	SYSHES	SYSRES	SYSRES	SYSRES	SYSRES	
32 CYL 1 CYL 2 CYL 19 CYL 21 CYL 21 CYL	8/0	R/O	B/O	R/O	W/B	8/8	
	27 EYL	21 CYL	19671	2 CYL	1 CYL	32 CYL	

VM/CMS-PART TWO

Didisk, 19E as the system's Yidisk, Both 193 and by us. Thus: as the system disk, 191 as our Aidisk, 192 as our indelete passwords 194 are accessible but have not been accessed

8 (193) R/O ACC 193 8

by us. We can perform the same procedure for the Now the 193 disk is our B disk and accessible

DIBMAINT should be a valid userid. The DIRMAINT userid is automatically rittalized found on some systems. If it is running, which contain directory maintenance commands. when the system is started up, it remains in 'disconnected" incde awarting transactions The Directory Maintenance utility can be

important, at least to the hacker: need to know about it. A few commands are it will provide you with all the information you If you come across a system with DIRMAINT.

or all of that usereds minidisks MOPW: This displays access passwords for one

DIRM MOPW

DVHDIROOSA ENTER CURRENT CP PASSWORD TO B: T=0.12/0.15 19:33:34 VALIDATE COMMAND OR A NULL TO EXIT:

DYHMDF3011 MINIBISK 192: DVHMDF3011 MINIDISK 191: BONEHEAD MULTIBUB WBUBBA MBUBBA RBUBPW RBUBBA

tear's terminal and wants to know what the guy's passwords. logon password, thus protecting the disk except for the fact that it does ask for the user's enter this command and he would get them, disk passwords are all he would have to do is password is obvious. It someone walks up to a The reason you must enter the user's logon

changed his lagon password. PWD: Find out how long it was since the user PW: This changes a user's logicin password Relp: Get more info on DIRM commands

In our Q SEARCH list, we have access to 190 MDISK: Change access mode, change, add, or

another user's minidisk. LINK: Cause an automatic trik, at logon, to

FOR: Enter a DIRMaint command for another use: Deblouing 1

Things You Want

every time you logon. Obtaining logon passwords accomplished by using the Q NAMES command you will want to explore. sn Las simple. There are a couple of places that passwords on, actual logon passwords, and disk access passwords. Obtaining userid's can be Things you want are: more valid usends to try

more logon passwords. Nevertheless, having about 10 other userid's. This should allow you to whichever one of these is running on your obtain a valid disk access password for greatly extend your stay on the system. and possibly some disk access passwords for particular system, you can get more passwords EXECs within their user directory. If you can passwords. These are contained within various in order to do this they must have mose users (usends) usually auto-togon other usend's. Now, herr until the original one you hacked dies, will obtained a few more passwords, and not using get more disk access passwords and hopefully The AUTOLOG1 or AUTOOP sirtual machines

wher types of files may contain this type of nothermotion more passwords, and so on Of course many users' directories may contain EXECs which have disk access passwords for other users and those EXEC Ties from any user may contain more

The directory usually goes under the directory is in, and its disk access password. security. It is usually found in either or both of name, which in my view would add to system anywhere on the system, and can have a different system uniformation, and minidisk passwords. explained, contains users passwords, various filename/filetype of USER DIRECT. It can be you've got the system by the balls. The file may (sorry). This is a very big weakness in CMS due bullseye on a target. This directory, as previously to the fact that if you can find what usered the wo users preciones which leave to you to find The CP directory—this is similar to a big

HACKING VM/CMS

e) also have a filetype of INDEX which is a posting of perment information in a used for speeding up various procedures the passive system carries out constantly. A typical entry in passive the USER DIRECT file would look like procedure BUBBA BUBBAPASS IM 3M 86

WINDO 1000

WINDO 1010

WINDO 1

IPL CMS

CONSOLE 000 3215 NWN01020

SPOOL DOC 2540 READER * VMU01030

SPOOL 000 2540 PUNCH * VMU01040

SPOOL OOE 1403 A NMU01050

LINK MAINT 190 190 RB 090100MA

LINK MAINT 190 190 RR VW01070

OBO LONAMA

LINK MAINT 19E 19E RR

MDISK 192 3350 152 003 VMPK01 MR RBUBPW MDISK 191 3350 152 003 VMPK01 MR RBUBBA SONEHEAD MULTIBUE WBUBBA MBUBBA

NW NO LIDORWA

misocillanous system information. Next, three owner of the account. The next few lines define ine gives the account number and department or memory, and Privilege Classes Bland G. The next password BUBAPASS, 1 and 3 Megs of virtual The first line gives the userid of BUBBA,

December, 1987

2600

linked to upon logon. And finally the minidisk passwords. lines of what disks should be automatically (MDISK) virtual addresses and corresponding

Conclusion

various CMS documentation. I may write a system use, 10% CMS help files, and 10% from needed to become familiar with the operating so don't take anything too literally. This article is this article. The information within this article information in the hands of anyone who reads system and its socurity/insecurity. Lintentionally article on Hacking VM/CMS. Lapologize for the become familiar with CMS. followup article of shorter length as more people comprised of 80% information from actual can and will be different from system to system which would put sensitive and destructive length but I wanted to mention everything you writing part after part so I wrote a "complete" an article like this one. I did not want to keep Torgot" to mention various bits of information As usual, there is always more I could add to

DECEMBER'S LETTERS

and department stores. I am enclosing "alternative technology"? stretch, and store! How is that for a sample insert for you to try out. Heat office supply stores, discount centers, inserts can be purchased at many

folks at Readers Digest would be readers working imaginatively to solve interested as well. this problem of storage. Perhaps the We're glad to see some of our Sgt. Pepper of Texas

How Do Inmates Do It?

modern attacking a dial-up node from a picture an Apple II with autodia those long distance codes. I just can county juit inmates got ahold of all for you. What I'd like to know is how the Got a couple of newspaper clippings

The Hooded Claw

human contact with the outside world They didn't need one. All they need is

BLV facts

(combuted from page 11)

different, depending upon your area and charge for the interrupt. The format may be telephone company. ength of the call (in minutes), and the 1.00 is the

does Busy Line Verification and Emergency without the assistance of an operator, nor do I only accessible by the TSPS. However, there know if it can be done. But hopefully this article baxes. I don't know how to accomplish BLV have been claims of people doing BLV's with blue has helped people understand how an operator Verification seems to be on a closed network

with phones social interaction

by Dave Taylor

communications device to being a full-blown transitioning from being a person-to-person information provider. eleptiones throughout the world—they've been An interesting thing has been happening to our

series but, much more interestingly, can actually only call up people I know (the easy part) but meet new poogle too. latest installments of various popular television horoscope, the racing results, summaries of the their phone numbers), get stock quotes, my gan also track down people by dealing with oformation (obtaining their addresses as well as Consider, without leaving my chair I can not

ultimate in safe social interaction systemsservice with a vengeance. 976 numbers, but also is now offering 900 company and the FCC has been licensing not just with the rallying cry of "profit" the phone The phone has been extended to be the

and the person who exhibit the equipment process 5 cents for each call placed.) charged a flat \$.50 per call to access it. The Dilinber is similar to an 800 number (e.g., the toll full bers operate throughout the continental US owner of the specific service gets the rest. A 900 significant percentage of this revenue, and the charge too. The phone company pockets a special class of phone numbers leased to (usually about \$1.75) and then a por-minute person calling is charged typically a connect cost tibe phone number area code) but the caller is individuals for just about any logal purpose. The 19/6 numbers, for those that don't know, are a

> advertising a teen party line, for example that they're catching on there too! There are big England and France a while back and noticed polorful adverts all over the Tube in London Somewhat suprisingly, though, I was in

(randomly), but it's been extended to party lines systems where you can call up and leave a ike they had in the carry days of telephones. 'personal ad", also hearing someone else's that type of recording being available) and the name "dial-a-porn" due to the prevalence of have "call a recording" systems (also known by What's also interesting is that not only do they

to go to more than four or five other telephones connect, and by technology—boosting the signal some built in limitations on the system—by and people calling can connect to up to five other law—they all must terminate within 3 minutes of people all in one big conference call. (There are he leases 12 phone lines from the phone company nakes ri sound awful). A friend of mine runs a 976 "chat" line where

a number of different reasons above and beyond technology on our everyozy lives. the further utilization of the telephone, however insidius growth and encreachment of it's also an excellent example of the sometimes I think that this development is significant to

statement on the social lives of people in our tast But most of all, it's rather a sobering

unable to succeed socially in our society. have. Underneath their babble (and indeed it's despair and loneliness that all the callers seen to and most of all I'm struck with the tones of little) is a group of people who are funcamentally surprising that people pay so much to say so ine, or calls other lines to hear how they sound I ve sat with my friend as he listens to his own

but they all seem to vanish within a week or two. with the people she's ultimately met in person. meet men. She's actually onjoyed spending time used the 976 personals recording numbers to personable, and fun to spend time with, who has I know of a woman, quite attractive.

difficult to make friends at parties and such. only linead he has that he hasn't met through phone contenencing", and that he finds it quite Yet another person I know claim's that I'm the

So, in a rather directions way I wonder it (combined on next page)

December, 1987

continued on page 22)

social interaction

(combined from previous page)

of the gradual changes that are transforming our culture and society: phone revenue per year in the US) as indicative services (and they are used an astournding were not seeing the usage of these new phone amount, in excess of a billion dollars worth of

computer bulletin board systems—a few years USENET, are an outgrowth of these early BBS's current computer conference systems, like the primary place for making new friends. The ago when they started to become popular a group (co, with similar demographics.) parallels are really quite strking. (And the of people sprung up that used them as their In some sense, they're a direct parallel to

come from? Is it a new group of people, these interaction, or is it a natural diagrowth of other that use technology as a vehicle for social the crux of all of this, is where did this clique The other question that arises, and I believe is

of the expansion of media and the consequent strengthening of the media's "perfect person". My suspicion is that it's an unsurprising result

they will have a difficult time succeeding culture (e.g., the so-called media stereotypes) or changed quite dramatically in the last few years. believe. One must either be part of the popular the expectations in society really have

with someone like that for the length of a novello novella the girl was a total loser. You can live You can't for a movie." conventional become J. Fliked the fact that in the adaptation and polished up as a more or less been turned into the second lead in the Helirasen says in the magazine Sight and Sound, Ja minor character in the original has As Clive Barker (director of the new film

outside of the United States people's thoughts on this, especially those would be most interested in hearing about other Tye strayed a bit off the boaten path, but I What exactly is this saying about our outture?

Roman Hackers

overseas talks of hacking and phreaking. The following article is another in a senies of

I have seen that sometimes you give space to December, 1987 by Hall from Rome

> things that could be interesting. foreign contributors, so I hope to tell you some

of the Government. services and our fantasies make up for the faults telephone system in Europe. In my country we and in Italy we probably have the oldest organization, we miraculously have a lot of the world. So even if we do have a bad telephone make every effort to be compared with the rest of In Europe we still have the pulse dial systom

organization of people who use a modern and through this organization we successfully back a We have successfully created a good

booths in July so were trying to find another hanging the handset up quickly, thereby with and then without any tools—simply by phone booths, first using a little tool (an electric issue, we learned how to easily call free from the Unfortunately our company tocked all of the 'unlacking' the line for calling everywhere. First of all, as described in the May 1987

three crimates and you will have to dial again. forever. On "extra local" calls (we call them as long as you want because the phones can ring Sometimes you may have to put up with a tight telephone in your house is still ringing on this electric box connected to the line, lift up cotta orban" calls), the line will be cut after 'iting' while you talk. Un local calls you can talk you doesn't pay anything because this bournakes receiving a call. If someone calls, you can switch iff, the receiver. So the exchange believes the the receiver and talk white the phone is still he telephone exchange believe that you drant "ringing". In this case the person who has called We are also able to use "black boxes" when

Macking via Modera

network because the telephone system is COMPUSERVE, etc.) and only spond money for a called "ITAPAC" and, as you can imagine, once you get a password to use it you can call all of the controlled by the Government. Our network is Tyrinet, etc., we fortunately have only one via modern. While the United States has Telenet, iggest computers in the world (BLX, BIALUG We also have a network for long distance calls

Quite sure they want change soon because they We have several of these passwords and we're (CONTOURED on page 20)

2600 marketplace

Box 463, Mt. Laurel, NJ 08054. day, checks must clear. Pete G., P.O. m.o. to P.E.I., cash, m.o. shipped same quan. \$15.00 each postpaid, checks, 8038 CHIP WITH SPEC SHEET, plock diagram and pinout—very limited

Mark H., P.O. Box 7052, Port Huran, MI 48301.7052 know anyone who is, send replies to software for IBM compatible and Hayes compatible modem. If you are selling or WANTED: Any hacker and phreaker

postage. Matt Kelly, 310 Isbell, Howell, offer and if it's reasonable, I will pay FOR SALE: Okidata Microline 92 instructions. Hardly used. Make an personal printer, includes manual for

Mt. Vernon, N.Y. 10550. postage. T. Genese, 219 N. 7th Ave., condition, \$50,00, no checks, includes reports. Copies in good to excellent including schematics and special vol. #1 to and including vol. #91 TAP BACK ISSUES. Complete set

Bell System Practices. Write to Bill, c/o Willing to purchase/trade. Also 2600, P.O. Box 752C, Middle Island looking for other paraphernalia such as digital switching systems and PBX's. **DOCUMENTATION** on electronic and

Stinson Beach, CA 94970. while they last, Bruce, P.O. Box 888 are no longer in production. Get em FOR SALE: 8038 multi-purpose tone Burlingame, CA 94011, Attention D.C. Write to Blue Box, P.O. Box 117003 BLUE BOXING? Let's exchange info generate any dual tone format. These applications data. Iwo chips will each ppd. Includes comprehensive generator chips, prime quality \$7.50 on phone numbers, parts, and etc.

> Pen Register, Just like new, \$70.00 SUMMERCON '88-coming to NYC FOR SALE: Radio Shack CPA-1000 Watch this space for more info. J.C. Devendorf, 29261 Buckhaven, Laguna Niguel, CA 92677-1618.

range of old Bell comms equipment. stylish, may even work! Also a wide FOR SALE: Ex-Bell blue boxes, old and for details. Call (514) 393-1840 and ask for Rick

programmable (150 separate 144 W. Eagle Rd., Suite 108, Haverton for \$125 or best offer. Bernie Spindel documentation. Originally \$800, sel Excellent condition with full baud rates to 38,400-much more matrix—up to 92 column capability, 32 control pad, 9" P-31 CRT w/7x12 dot ports, full ASCII keyboard w/cursor functions), RS-232C & parallel printer intelligent video terminal. Completely FOR SALE: SWIPC Model CT-82

516-751-2600 for more info. drop off articles, ask questions. Call 53rd Street, New York City, Come by pm at the Citicorp Center in the Market (lobby where the tables are)—153 East 2600 MEETINGS. Fridays from 5-8

Address: 2600 Marketplace, P.O. Box Only people please, no businesses. 99, Middle Island, NY 11953, Include making it too long) and we'll print it! GOT SOMETHING TO SELL? Looking your address label whatever you want to say (without free to subscribers! Just send us the place! The 2600 Marketplace is for something to buy? Or trade? This is

Deadline for Spring issue: 2/15/88

Roman Hackers

(continued from page 18)

doesn't care too much about keeping their believe there are very many backers and so it passwords secretibelong to the telephone company instead of true in Italy it is easier to find posswords that relaphone company (called "SIP") doesn't backing private passwords. This is bocause our belong to the telephone company! Strange but

lot of BBS's nometly not connected on the via modern in the United States and I can join a using this outdial I can connect to every number say, "OK, now draft this number in the USA," So is an outdial system—one that you can call and in the United States and one of my favorite ones Now using ITAPAC, I very often use systems

write me a number of a BBS at which I can reach anything and so we can write to each other) or password for a while so you don't have to spend to "capoccia" and if you want I can give you my United States: Please contact me on BIX (write I hope this is of interest to those of you in the

wart. Importainaid at all and you can publishing hackers, so you can use this information as you In Italy, there isn't actually any law against

CO Effico Ferran 00139 Roma Via Giuseppe Valmarana 43 Hal (from Rome)

Phone 011-33-6-810761

and because we are always wary or to specific hacking on specific systems overconfidence, we have amilted any references Because of existing laws in the United States

Unpleasantries More Long Distance

called US. Sprint and inquired about getting a otherwise known as Allnet (8005210297). 1 then travelcard, or a code on one of their 950 or 800 correct number for ALC Communications, Service for my area (8005314646), and the the correct number to US Sprint Oustomer served my area. A quick call to 800 DA got me numbers to the major interexchange carriers that began to gather foll-free 800 customer service access to a long distance carrier's facilities, so I Recently I decided I wished to have legal

December, 1987

March, 1987). incidentally. GTE, which owns US Sprint, is a potential US Sprint customers. Oh, and hope this experience opens the eyes of any Anyway, back to the pushy representative. I close to the same time in excess, the customer government. Another bad point (see 2600 calls come from different points at the same or especially in the case of Allnet. This is due to can be contacted and the code changed you called from included in their records. When when I did, they went bad very quickly tuclear weapons contractor with the ALC having the city name of the general area that MCI code, or an ALC code posted on a BBS, and posted on electronic bulletin board systems, people who are potential abusers. Frarely saw an where they are then spread to more and more concerning US Sprint is the fact that its Equal Access campaign). Another bad point has invested a huge amount of money in their authorization codes have been widely abused and Access dollar (this is understandable, as Sprint by being so stubborn about getting my Equal charge just for a simple code which could be didn't choose them as my Equal Access carner. I cost me \$10 a month plus charges incurred it access carrier. But one of their traveloards would access carner. I didn't want Sprint as my equal access numbers. However, the person who tracked for free. They lost a prospective customer dich t want to have to tork over this ridiculous to get me to sign up with US Sprint as my equal answared the telephone was insistent upon trying

have for MCI, explaining that the number they had was no longer valid. They gave me a number and I requested any other numbers they might service rumber. The TOPS called 800 DA forme calls forme in an effort to find the right distomer who was quite friendly, and completed several to MCI and also receives ANI (the phone number another 800 number (8009501022) that belongs you're calling from) when you call it (see 2600) July 1987). Anyway, I then decided to get 8006241022 and has since been replaced with one where MCI had a node, which was to be 8006246240. I knew this number was DA revealed their 800 customer service number assistance" from a local Bell TOPS operator incorrect. I recognized the 624 exchange as the Next I decided to try MCLA quick call to 800

more long distance horrors

originating NPA-NXX, and the terminating NPAinformation via a computer. They enter the Japanese speaking person who sounded for all three rate classifications (day, evening, NOX, and the computer displays rate information MCI Customer Service reps have access to rate from talking to this person. One such thing is that intoxicated. I learned several interesting things 8004441212. So, after all this hassle, I finally about their service, and only when she asked me called and had a chall with what sounded like a my area code was I told that I needed to talk to began asking the woman some general questions problem with any of the others. Anyway, I then priority upon this particular company, as I had no computer. It seems that someone put a low supposed to be handled automatically, by customer service number for one of their major Why AT&T was so slow in getting the new the Southwest Division, reachable at competitors? Updates to the 800 Directory are the phone said she would look into it. I wonder service number, and the woman who answered of the trouble I had in getting the new pustomer correct number for MCI Customer Service, or so thought. I called this number and informed them So, after three attempts, I finally received the calling. I had to verbally tell it to hor). She then operator, who didn't know the number I was told the that the new number was 6004442222 Bell ONI Intercept Operator (an intercept reach MCI Sales. This number was answered by a KP_FW0+8006242227+SF in an attempt to The TOPS (who did not disconnect) then dialed listed as 'MCI Sales', which was 8006242222

contractor (see 2600, March, 1987), so I

voice and data transmissions. ines, but they are still more than adequate for you will have to put up with slightly lower quality their own detwork like MCI or US Sprint. Thus companies' lines. That is to say they do not have they are, of course, a major reseller of other your own traveloard, I would suggest Alinet far the most helpfut. If you are thinking of getting push me into signing up with them as my Equal for the use of a travel card, and they did not try to with no hassle. Alinet had no monthly surcharge answered by a new employee. This person was Communications (formed when Allhet merged From the three carriers I sampted, Allhert was by get a code on Alinet easily without much hassle Access carrier. So in other words, I was able to very helpful and answered all of my questions called this number and the telephone was have a number for "Alinet Customer Service". I listing for ALC Communications, but they did with Lexite(). However, 800 DA didn't have any The next carrier up was Allnet, or in both, ALC

will receive ANT. So being politie and tactful is own 800 exchange, and calls to this exchange questions, but don't be rude. MCI in particular before you decide to pick one. Ask them advisable when dealing with them from a home distance services that are available in your area 186 their customer service numbers set up in their When choosing, be sure to compare the long

have to get your own numbers for your area code numbers listed here are formy area code. You will you wish to engineer these companies. Also keep in mind that the customer service

aspects of felaphone systems here and abroad each other and the general public of the good/bad experiences! Unly through an intelligent communications forum like 2600 can we inform One last note: readers, share your

one time fee of \$10.30, but they had some sort of

a travelcard with MCL you usually have to pay a

and right/holiday). I also discovered that to get

free at this specific point in time. I also asked Special going where you could get the travel card

SOME NUMBERS

10041-1-700-777-7777 -800-988-4726 0220 1-700-611-6116 -800-988-0000 conference line in NY-\$1 a minute Long Distance Customer Service Telegram Operator Western Union Western Union Western Union

Decided not to deal with them

MUT—they, like GTE, are a nuclear weapons released at a later date. One last bad point about including in a separate article which will be Other interesting things about them that I plan on working days to activate my service. I found out tibe and we'l, out it would then take them 10-14 would be there by the end of 1987. This was all be implemented shortly. The man hald me they about MCI operators, assuming that they would

(community from page 16) DECEMBER'S LETTERS

message say "Sure, I'll accept" or something similar. make the first part of the voice be collect? That's no problem -simply true that all calls from a prison have to read out this month's Sprint codes. All and write down the codes. But isn't it an immate has to do is call that number also easily set up a voice mailbox to they've been unable to keep people bringing in knives and guns, but so far from reciting numbers. Someone could Guards can prevent visitors from

BBS Thoughts

choose would easily meet your right software to run, but any that i drive, and 300/1200 BPS. It would be running on an Amiga 1000, 315 inch 24 hours a day. I'm still looking for the a "2600 authorized BBS". I would be (as in software hacking). I'd love to run thought of running a pirate BBS again about re-opening mine, yet abhor the BBS's: Just in time - I was thinking wanting to set up a network of safe requirements. Secondly, I saw your comment about what's happening in our techno world. little the average person knows of your magazine. It really shows how First off, I'd like to compliment you on

running a 2600 board should contact Anyone else who's interested in new boards sometime in January future date. We expect to start adding ments that we can go over with you at a We have some additional require-

consumer fraud.

looking at next year's project to combat

The Missing Chip

Dear 2600:

box plans: ICL8038 precision GE/RCA and available from the oscillator, made by Intersit now waveform generator/voltage cont. "common" distributors in most cities As per the "lost" 8038 chip for the

> 8097, FAX 415-592-2503, Telex Electronics, Hamilton/Aynet minimum order). Road, Belmont, CA 94002, (415) 592. Electronics) or to the "hobbiest" from (i.e. Arrow Electronics, Schweber 176043 (ICL8038CCJD \$3.95 w/\$20 Jameco Electronics, 1355 Shoreway

Yet Another Telco Ripoff

as quarters? to accept dimes as dimes and quarters But today since most big cities have a checks to sea if there is a coin ground central office equipment the phone just phone company modify their switches to ESS, why can't someone at the majority of their central offices out over quite unfair that no matter what you minutes. You reach into your pocket understand that under primitive deposit your quarter and are left alone and all you have is a quarter. You and then the nice man asks you to First the phone collects your money deposit is treated as a nickel. I can for only another five minutes! It seems payphone and had your time run out? deposit a nickel for another five Have you ever been talking on a

Mary M.

satisfactory answer, you may be falks on the inside. If we don't get a "explanations" for this one from the Why indeed? Let's hear some Cornland, Iowa

or to forward an article The correct address to send a letter

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